

# **TYP03 Backend Module**

## **API**

# Goals

- provide a toolbox for creating Focus Apps
- should be easy to use
- needs to achieve a high adoption rate
- streamlines the TYP03 backend because concepts repeat themselves

# Analysis

- 80% of backend modules more or less do the same
- Web > List becomes cluttered
- Web > List is not flexible enough when it comes to searches
- Web > List distracts the editor by showing data that is not relevant to the editor "now"
- The amount of information is too dense
- TYP03 had its greatest success when extending the system was simple and accessible to new users

# Consequences

- Focus Apps will result in a massive increase of "backend modules" (Focus Apps)
- All FAs should ideally stick to the same principles
- All FAs should ideally behave in a predictive manner
- All FAs should ideally look the same

# Challenge

- Supply strong defaults
- Supply an accessible\* set of components
- Supply an accessible\* way to configure a module
- Make setting up a FA a no-brainer

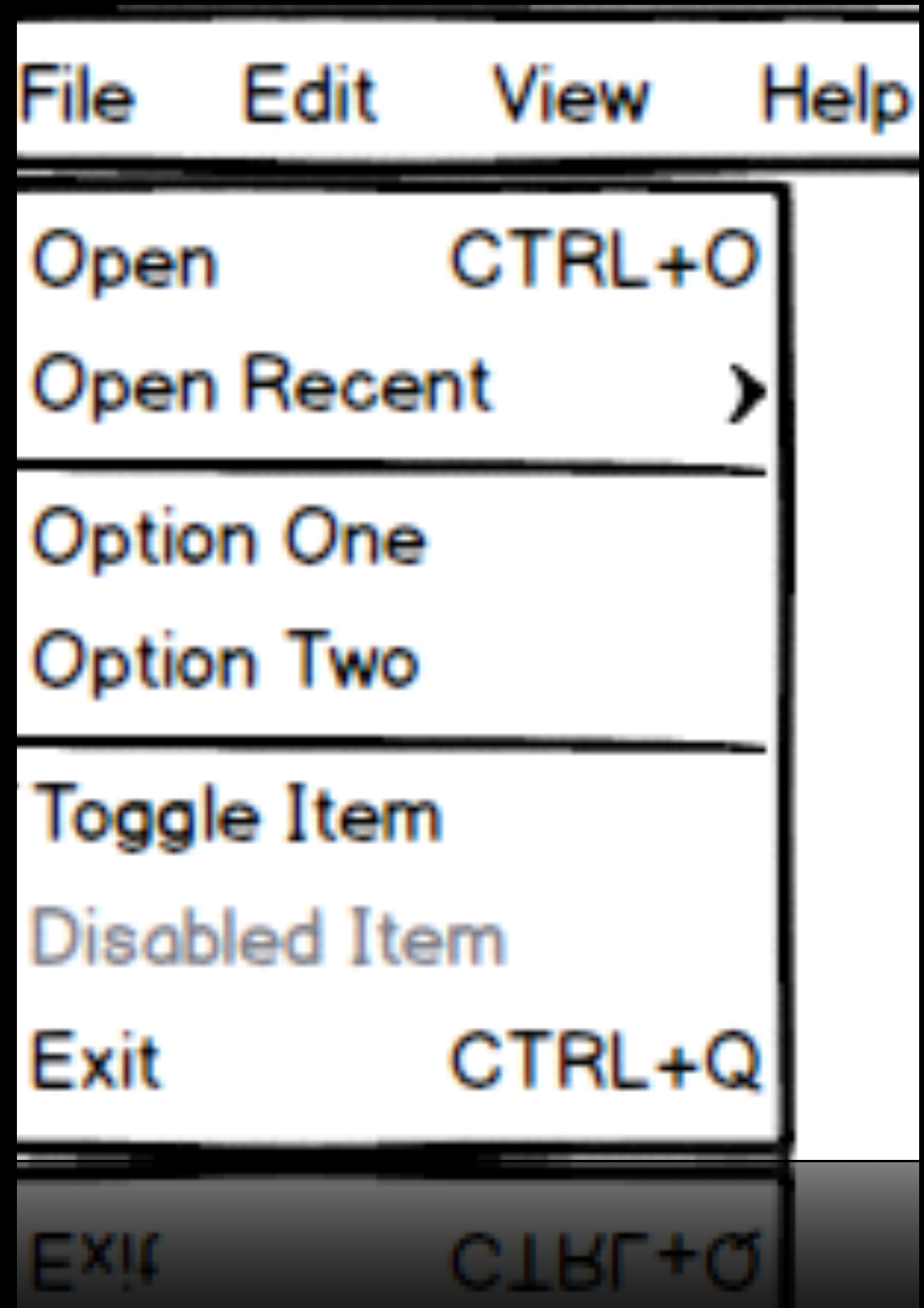
*\* accessible is meant as „easy to use“ for integrators – not WACG style*

# Components

- will be shipped by the core
- could start with a small set and adapt to market demands
- should be specific, yet configurable

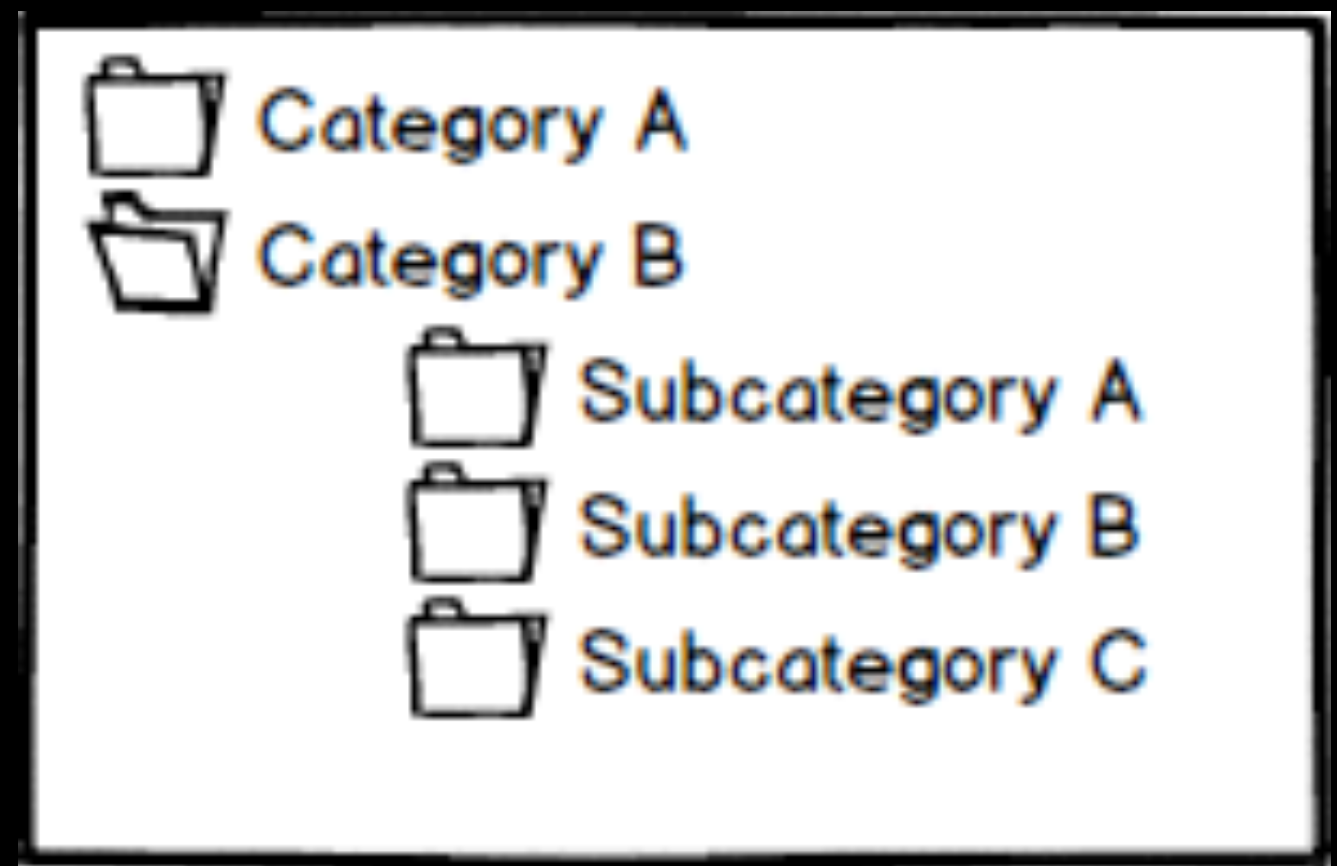
# Menubar

- Should be used to switch between views
- Should offer 3 levels of navigation
- yes, I'm serious about the shortcuts



# Tree

- Should be able to render *\*any\** hierarchical structure
- Should persist its status in the editor's settings (uc)





# Filterbox

- Displays a list of filters
- Filters should be groupable



# Result Grid

- Displays a grid of results
- Should offer multiple sortings
- Sortings should persist in UC
- Should have pagination
- Should allow mass-editing

| Title ▲          | Date/Time ◆      | Author |                                     |
|------------------|------------------|--------|-------------------------------------|
| Cookies in stock | 14.04.2014 09:31 | Franco | <input checked="" type="checkbox"/> |
| Cream in stock   | 12.03.2014       | Betty  | <input checked="" type="checkbox"/> |
| Zombie Outbreak  | 23.01.2014       | Betty  | <input checked="" type="checkbox"/> |
| Zombie Outbreak  | 23.01.2014       | Betty  | <input checked="" type="checkbox"/> |

# Module Configuration

- no PHP involved
- logical structure
- no need to register the configuration anywhere

# Config Example (YAML)

```
tx_ttnews_focusapp:
  grid:
    column:
      width: 12
      items:
    folderFrame:
      component: tree
      componentSettings:
        table: pages
        folderType: tt_news
      width: 2
    filterFrame:
      component: filterbox
      componentSettings:
        storagePid: 123
        respectFiltersStoredOnSelectedPid: true
        orderBy: name DESC
      width: 2
    mainFrame:
      component: resultGrid
      componentSettings:
        recordsPerPage: 25
      width: 7
    myAwesomeFrame:
      component: userClass
      componentSettings:
        class: \How\Cool\Is\That()
        mySetterFoo: husel
        mySetterBar: pusel
      width: 1
```

# Result

| <div><div><div>Press Releases</div><div>News</div><div>Cars</div><div>Motorcycles</div></div></div> | <div><div><div>Latest News</div><div>News 2014</div><div>News 2013</div></div></div> | <table><tr><th>Title</th><th>Date/Time</th><th>Author</th><th></th></tr><tr><td>Queen's absence and were resting in.</td><td>24.07.1983 09:48</td><td>Susana Lockman</td><td><input checked="" type="checkbox"/></td></tr><tr><td>NOT being made entirely of.</td><td>16.06.2013 12:58</td><td>Mr. Harrison Bradtke M</td><td><input checked="" type="checkbox"/></td></tr><tr><td>SOME change in my life! She had just.</td><td>21.08.1983 10:02</td><td>Prof. Karson Trantow</td><td><input checked="" type="checkbox"/></td></tr><tr><td>Just then she noticed that one of.</td><td>07.01.1982 09:10</td><td>Karolann Sipes</td><td><input checked="" type="checkbox"/></td></tr><tr><td>Alice and sighing. 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| Rabbit was still in sight hurrying.   | 06.09.2010 11:29   | Mr. Charlie Ferry  | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                        |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                       |                  |             |                                     |                                       |                  |             |                                     |                                      |                  |                      |                                     |  |
| King; 'and don't look at it! This.  | 11.12.1999 05:51   | Axel Leuschke Sr.  | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                        |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                       |                  |             |                                     |                                       |                  |             |                                     |                                      |                  |                      |                                     |  |
| The cook threw a frying-pan after her.  | 04.04.2003 10:55   | Lauryn Leffler   | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                        |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                       |                  |             |                                     |                                       |                  |             |                                     |                                      |                  |                      |                                     |  |
| Pig! She said this she looked down.   | 20.12.1998 12:34   | Prof. Maegan Lueilwitz   | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                        |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                       |                  |             |                                     |                                       |                  |             |                                     |                                      |                  |                      |                                     |  |
| I hate cats and dogs.' It was opened.   | 05.02.1975 06:15   | Rex Littel   | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                        |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                       |                  |             |                                     |                                       |                  |             |                                     |                                      |                  |                      |                                     |  |
| I've finished.' So they couldn't see.   | 16.10.1997 05:34   | Jadon Swift  | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                        |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                       |                  |             |                                     |                                       |                  |             |                                     |                                      |                  |                      |                                     |  |
| Alice. 'Now we shall get on better'.  | 14.08.2003 12:03   | Prof. Rubie Grant DDS  | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                        |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                       |                  |             |                                     |                                       |                  |             |                                     |                                      |                  |                      |                                     |  |
| Alice feeling very glad to get her.   | 08.04.1994 01:47   | Ervin Beatty Jr.   | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                        |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                       |                  |             |                                     |                                       |                  |             |                                     |                                      |                  |                      |                                     |  |
| King. The next witness would be worth.  | 02.07.1998 02:25   | Kacey Raynor   | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                        |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                       |                  |             |                                     |                                       |                  |             |                                     |                                      |                  |                      |                                     |  |
| Turtle.' These words were followed by.  | 14.09.1974 12:56   | Bernie Hahn DVM  | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                        |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                       |                  |             |                                     |                                       |                  |             |                                     |                                      |                  |                      |                                     |  |
| I suppose.' So she began nursing her.   | 07.09.1990 10:03   | Mr. Rod Mante  | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                        |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                       |                  |             |                                     |                                       |                  |             |                                     |                                      |                  |                      |                                     |  |
| Queen who was passing at the bottom.  | 30.05.1972 03:25   | Prof. Amari Emmerich   | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                        |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                       |                  |             |                                     |                                       |                  |             |                                     |                                      |                  |                      |                                     |  |
| March Hare. Alice sighed wearily. 'I.   | 04.06.1972 12:29   | Mara Deckow  | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                        |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                       |                  |             |                                     |                                       |                  |             |                                     |                                      |                  |                      |                                     |  |
| March Hare. Alice sighed wearily. 'I.   | 04.06.1972 12:29   | Mara Deckow  | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                        |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                       |                  |             |                                     |                                       |                  |             |                                     |                                      |                  |                      |                                     |  |
| Queen who was passing at the bottom.  | 30.05.1972 03:25   | Prof. Amari Emmerich   | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                        |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                       |                  |             |                                     |                                       |                  |             |                                     |                                      |                  |                      |                                     |  |
|   |  |  |                                     |           |        |  |                                      |                  |                |                                     |                             |                  |                        |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                       |                  |             |                                     |                                       |                  |             |                                     |                                      |                  |                      |                                     |  |

# Result in Detail

```
tx_ttnews_focusapp:
  grid:
    column:
      width: 12
    items:
      folderFrame:
        component: tree
        componentSettings:
          table: pages
          folderType: tt_news
          width: 2
      filterFrame:
        component: filterbox
        componentSettings:
          storagePid: 123
          orderBy: name DESC
          width: 2
      mainFrame:
        component: resultGrid
        componentSettings:
          recordsPerPage: 25
          width: 7
      myAwesomeFrame:
        component: userClass
        componentSettings:
          class: \How\Cool\Is\That()
          mySetterFoo: husel
          mySetterBar: pusel
          width: 1
```

| <div>Press Releases</div> <div>News</div> <div>Cars</div> <div>Motorcycles</div> | <div>Latest News</div> <div>News 2014</div> <div>News 2013</div> | <table><thead><tr><th>Title</th><th>Date/Time</th><th>Author</th><th></th></tr></thead><tbody><tr><td>Queen's absence and were resting in.</td><td>24.07.1983 09:48</td><td>Susana Lockman</td><td><input checked="" type="checkbox"/></td></tr><tr><td>NOT being made entirely of.</td><td>16.06.2013 12:58</td><td>Mr. Harrison Bradtke MI</td><td><input checked="" type="checkbox"/></td></tr><tr><td>SOME change in my life! She had just.</td><td>21.08.1983 10:02</td><td>Prof. Karson Trantow</td><td><input checked="" type="checkbox"/></td></tr><tr><td>Just then she noticed that one of.</td><td>07.01.1982 09:10</td><td>Karolann Sipes</td><td><input checked="" type="checkbox"/></td></tr><tr><td>Alice and sighing. 'It IS a.</td><td>17.03.1993 10:12</td><td>Trace Swaniawski</td><td><input checked="" type="checkbox"/></td></tr><tr><td>Alice. 'Stand up and say "Who am I.</td><td>10.11.2003 03:47</td><td>Prof. Branson Klocko</td><td><input checked="" type="checkbox"/></td></tr><tr><td>March Hare interrupted in a melancholy.</td><td>10.12.1985 11:01</td><td>Dr. Kelly Block I</td><td><input checked="" type="checkbox"/></td></tr><tr><td>Alice began to feel very sleepy and.</td><td>25.10.1971 05:10</td><td>Pink Lubowitz DDS</td><td><input checked="" type="checkbox"/></td></tr><tr><td>I THINK I can listen all day about.</td><td>05.08.1984 02:04</td><td>Miss Lola Jerde V</td><td><input checked="" type="checkbox"/></td></tr><tr><td>Gryphon replied very politely feeling.</td><td>25.10.2000 01:05</td><td>Dr. Rhett Lockman DDS</td><td><input checked="" type="checkbox"/></td></tr><tr><td>Alice thought to herself as well.</td><td>05.10.2008 06:51</td><td>Miss Yasmine Bashirian</td><td><input checked="" type="checkbox"/></td></tr><tr><td>Alice did not at all comfortable and.</td><td>25.07.2002 07:58</td><td>Kenyon Ortiz IV</td><td><input checked="" type="checkbox"/></td></tr><tr><td>Rabbit was still in sight hurrying.</td><td>06.09.2010 11:29</td><td>Mr. Charlie Ferry</td><td><input checked="" type="checkbox"/></td></tr><tr><td>King, 'and don't look at it! This.</td><td>11.12.1999 05:51</td><td>Axel Leuschke Sr.</td><td><input checked="" type="checkbox"/></td></tr><tr><td>The cook threw a frying-pan after her.</td><td>04.04.2003 10:55</td><td>Lauryn Leffler</td><td><input checked="" type="checkbox"/></td></tr><tr><td>Pig! She said this she looked down.</td><td>20.12.1998 12:34</td><td>Prof. Maegan Lueilwitz</td><td><input checked="" type="checkbox"/></td></tr><tr><td>I hate cats and dogs.' It was opened.</td><td>05.02.1975 06:15</td><td>Rex Littel</td><td><input checked="" type="checkbox"/></td></tr><tr><td>I've finished.' So they couldn't see.</td><td>16.10.1997 05:34</td><td>Jadon Swift</td><td><input checked="" type="checkbox"/></td></tr><tr><td>Alice. 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This. | 11.12.1999 05:51 | Axel Leuschke Sr. | <input checked="" type="checkbox"/> | The cook threw a frying-pan after her. | 04.04.2003 10:55 | Lauryn Leffler | <input checked="" type="checkbox"/> | Pig! She said this she looked down. | 20.12.1998 12:34 | Prof. Maegan Lueilwitz | <input checked="" type="checkbox"/> | I hate cats and dogs.' It was opened. | 05.02.1975 06:15 | Rex Littel | <input checked="" type="checkbox"/> | I've finished.' So they couldn't see. | 16.10.1997 05:34 | Jadon Swift | <input checked="" type="checkbox"/> | Alice. 'Now we shall get on better'. | 14.08.2003 12:03 | Prof. Rubie Grant DDS | <input checked="" type="checkbox"/> | Alice feeling very glad to get her. | 08.04.1994 01:47 | Ervin Beatty Jr. | <input checked="" type="checkbox"/> | King. The next witness would be worth. | 02.07.1998 02:25 | Kacey Raynor | <input checked="" type="checkbox"/> | Turtle.' These words were followed by. | 14.09.1974 12:56 | Bernie Hahn DVM | <input checked="" type="checkbox"/> | I suppose.' So she began nursing her. | 07.09.1990 10:03 | Mr. Rod Mante | <input checked="" type="checkbox"/> | Queen who was passing at the bottom. | 30.05.1972 03:25 | Prof. Amari Emmerich | <input checked="" type="checkbox"/> | March Hare. Alice sighed wearily 'I. | 04.06.1972 12:29 | Mara Deckow | <input checked="" type="checkbox"/> | March Hare Alice sighed wearily 'I. | 04.06.1972 12:29 | Mara Deckow | <input checked="" type="checkbox"/> | Queen who was passing at the bottom. | 30.05.1972 03:25 | Prof. Amari Emmerich | <input checked="" type="checkbox"/> | Killer output from user class |
|--|--|--|-------------------------------------|-----------|--------|--|--------------------------------------|------------------|----------------|-------------------------------------|-----------------------------|------------------|-------------------------|-------------------------------------|---------------------------------------|------------------|----------------------|-------------------------------------|------------------------------------|------------------|----------------|-------------------------------------|------------------------------|------------------|------------------|-------------------------------------|-------------------------------------|------------------|----------------------|-------------------------------------|---|------------------|-------------------|-------------------------------------|--------------------------------------|------------------|-------------------|-------------------------------------|-------------------------------------|------------------|-------------------|-------------------------------------|--|------------------|-----------------------|-------------------------------------|-----------------------------------|------------------|------------------------|-------------------------------------|---------------------------------------|------------------|-----------------|-------------------------------------|-------------------------------------|------------------|-------------------|-------------------------------------|------------------------------------|------------------|-------------------|-------------------------------------|--|------------------|----------------|-------------------------------------|-------------------------------------|------------------|------------------------|-------------------------------------|---------------------------------------|------------------|------------|-------------------------------------|---------------------------------------|------------------|-------------|-------------------------------------|--------------------------------------|------------------|-----------------------|-------------------------------------|-------------------------------------|------------------|------------------|-------------------------------------|--|------------------|--------------|-------------------------------------|--|------------------|-----------------|-------------------------------------|---------------------------------------|------------------|---------------|-------------------------------------|--------------------------------------|------------------|----------------------|-------------------------------------|--------------------------------------|------------------|-------------|-------------------------------------|-------------------------------------|------------------|-------------|-------------------------------------|--------------------------------------|------------------|----------------------|-------------------------------------|-------------------------------|
| Title  | Date/Time  | Author   |                                     |           |        |  |                                      |                  |                |                                     |                             |                  |                         |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                      |                  |             |                                     |                                     |                  |             |                                     |                                      |                  |                      |                                     |                               |
| Queen's absence and were resting in.   | 24.07.1983 09:48   | Susana Lockman   | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                         |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                      |                  |             |                                     |                                     |                  |             |                                     |                                      |                  |                      |                                     |                               |
| NOT being made entirely of.  | 16.06.2013 12:58   | Mr. Harrison Bradtke MI  | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                         |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                      |                  |             |                                     |                                     |                  |             |                                     |                                      |                  |                      |                                     |                               |
| SOME change in my life! She had just.  | 21.08.1983 10:02   | Prof. Karson Trantow   | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                         |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                      |                  |             |                                     |                                     |                  |             |                                     |                                      |                  |                      |                                     |                               |
| Just then she noticed that one of.   | 07.01.1982 09:10   | Karolann Sipes   | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                         |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                      |                  |             |                                     |                                     |                  |             |                                     |                                      |                  |                      |                                     |                               |
| Alice and sighing. 'It IS a.   | 17.03.1993 10:12   | Trace Swaniawski   | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                         |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                      |                  |             |                                     |                                     |                  |             |                                     |                                      |                  |                      |                                     |                               |
| Alice. 'Stand up and say "Who am I.  | 10.11.2003 03:47   | Prof. Branson Klocko   | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                         |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                      |                  |             |                                     |                                     |                  |             |                                     |                                      |                  |                      |                                     |                               |
| March Hare interrupted in a melancholy.  | 10.12.1985 11:01   | Dr. Kelly Block I  | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                         |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                      |                  |             |                                     |                                     |                  |             |                                     |                                      |                  |                      |                                     |                               |
| Alice began to feel very sleepy and.   | 25.10.1971 05:10   | Pink Lubowitz DDS  | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                         |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                      |                  |             |                                     |                                     |                  |             |                                     |                                      |                  |                      |                                     |                               |
| I THINK I can listen all day about.  | 05.08.1984 02:04   | Miss Lola Jerde V  | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                         |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                      |                  |             |                                     |                                     |                  |             |                                     |                                      |                  |                      |                                     |                               |
| Gryphon replied very politely feeling.   | 25.10.2000 01:05   | Dr. Rhett Lockman DDS  | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                         |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                      |                  |             |                                     |                                     |                  |             |                                     |                                      |                  |                      |                                     |                               |
| Alice thought to herself as well.  | 05.10.2008 06:51   | Miss Yasmine Bashirian   | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                         |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                      |                  |             |                                     |                                     |                  |             |                                     |                                      |                  |                      |                                     |                               |
| Alice did not at all comfortable and.  | 25.07.2002 07:58   | Kenyon Ortiz IV  | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                         |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                      |                  |             |                                     |                                     |                  |             |                                     |                                      |                  |                      |                                     |                               |
| Rabbit was still in sight hurrying.  | 06.09.2010 11:29   | Mr. Charlie Ferry  | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                         |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                      |                  |             |                                     |                                     |                  |             |                                     |                                      |                  |                      |                                     |                               |
| King, 'and don't look at it! This.   | 11.12.1999 05:51   | Axel Leuschke Sr.  | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                         |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                      |                  |             |                                     |                                     |                  |             |                                     |                                      |                  |                      |                                     |                               |
| The cook threw a frying-pan after her.   | 04.04.2003 10:55   | Lauryn Leffler   | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                         |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                      |                  |             |                                     |                                     |                  |             |                                     |                                      |                  |                      |                                     |                               |
| Pig! She said this she looked down.  | 20.12.1998 12:34   | Prof. Maegan Lueilwitz   | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                         |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                      |                  |             |                                     |                                     |                  |             |                                     |                                      |                  |                      |                                     |                               |
| I hate cats and dogs.' It was opened.  | 05.02.1975 06:15   | Rex Littel   | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                         |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                      |                  |             |                                     |                                     |                  |             |                                     |                                      |                  |                      |                                     |                               |
| I've finished.' So they couldn't see.  | 16.10.1997 05:34   | Jadon Swift  | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                         |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                      |                  |             |                                     |                                     |                  |             |                                     |                                      |                  |                      |                                     |                               |
| Alice. 'Now we shall get on better'.   | 14.08.2003 12:03   | Prof. Rubie Grant DDS  | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                         |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                      |                  |             |                                     |                                     |                  |             |                                     |                                      |                  |                      |                                     |                               |
| Alice feeling very glad to get her.  | 08.04.1994 01:47   | Ervin Beatty Jr.   | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                         |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                      |                  |             |                                     |                                     |                  |             |                                     |                                      |                  |                      |                                     |                               |
| King. The next witness would be worth.   | 02.07.1998 02:25   | Kacey Raynor   | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                         |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                      |                  |             |                                     |                                     |                  |             |                                     |                                      |                  |                      |                                     |                               |
| Turtle.' These words were followed by.   | 14.09.1974 12:56   | Bernie Hahn DVM  | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                         |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                      |                  |             |                                     |                                     |                  |             |                                     |                                      |                  |                      |                                     |                               |
| I suppose.' So she began nursing her.  | 07.09.1990 10:03   | Mr. Rod Mante  | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                         |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                      |                  |             |                                     |                                     |                  |             |                                     |                                      |                  |                      |                                     |                               |
| Queen who was passing at the bottom.   | 30.05.1972 03:25   | Prof. Amari Emmerich   | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                         |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                      |                  |             |                                     |                                     |                  |             |                                     |                                      |                  |                      |                                     |                               |
| March Hare. Alice sighed wearily 'I.   | 04.06.1972 12:29   | Mara Deckow  | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                         |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                      |                  |             |                                     |                                     |                  |             |                                     |                                      |                  |                      |                                     |                               |
| March Hare Alice sighed wearily 'I.  | 04.06.1972 12:29   | Mara Deckow  | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                         |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                      |                  |             |                                     |                                     |                  |             |                                     |                                      |                  |                      |                                     |                               |
| Queen who was passing at the bottom.   | 30.05.1972 03:25   | Prof. Amari Emmerich   | <input checked="" type="checkbox"/> |           |        |  |                                      |                  |                |                                     |                             |                  |                         |                                     |                                       |                  |                      |                                     |                                    |                  |                |                                     |                              |                  |                  |                                     |                                     |                  |                      |                                     |   |                  |                   |                                     |                                      |                  |                   |                                     |                                     |                  |                   |                                     |  |                  |                       |                                     |                                   |                  |                        |                                     |                                       |                  |                 |                                     |                                     |                  |                   |                                     |                                    |                  |                   |                                     |  |                  |                |                                     |                                     |                  |                        |                                     |                                       |                  |            |                                     |                                       |                  |             |                                     |                                      |                  |                       |                                     |                                     |                  |                  |                                     |  |                  |              |                                     |  |                  |                 |                                     |                                       |                  |               |                                     |                                      |                  |                      |                                     |                                      |                  |             |                                     |                                     |                  |             |                                     |                                      |                  |                      |                                     |                               |



# Result in Detail

```
tx_ttnews_focusapp:
  grid:
    column:
      width: 12
    items:
  folderFrame:
    component: tree
    componentSettings:
      table: pages
      folderType: tt_news
    width: 2
  filterFrame:
    component: filterbox
    componentSettings:
      storagePid: 123
      orderBy: name DESC
    width: 2
  mainFrame:
    component: resultGrid
    componentSettings:
      recordsPerPage: 25
    width: 7
  myAwesomeFrame:
    component: userClass
    componentSettings:
      class: \How\Cool\Is\That()
      mySetterFoo: husel
      mySetterBar: pusel
    width: 1
```

|                |             |   |                  |                         |                                     |                               |
|----------------|-------------|---|------------------|-------------------------|-------------------------------------|-------------------------------|
| Press Releases | Latest News | Title                                   | Date/Time        | Author                  |                                     | Killer output from user class |
| News           | News 2014   | Queen's absence and were resting in.    | 24.07.1983 09:48 | Susana Lockman          | <input checked="" type="checkbox"/> |                               |
| Cars           | News 2013   | NOT being made entirely of.             | 16.06.2013 12:58 | Mr. Harrison Bradtke MI | <input checked="" type="checkbox"/> |                               |
| Motorcycles    |             | SOME change in my life! She had just.   | 21.08.1983 10:02 | Prof. Karson Trantow    | <input checked="" type="checkbox"/> |                               |
|                |             | Just then she noticed that one of.      | 07.01.1982 09:10 | Karolann Sipes          | <input checked="" type="checkbox"/> |                               |
|                |             | Alice and sighing. 'It IS a.            | 17.03.1993 10:12 | Trace Swaniawski        | <input checked="" type="checkbox"/> |                               |
|                |             | Alice. 'Stand up and say "Who am I.     | 10.11.2003 03:47 | Prof. Branson Klocko    | <input checked="" type="checkbox"/> |                               |
|                |             | March Hare interrupted in a melancholy. | 10.12.1985 11:01 | Dr. Kelly Block I       | <input checked="" type="checkbox"/> |                               |
|                |             | Alice began to feel very sleepy and.    | 25.10.1971 05:10 | Pink Lubowitz DDS       | <input checked="" type="checkbox"/> |                               |
|                |             | I THINK I can listen all day about.     | 05.08.1984 02:04 | Miss Lola Jerde V       | <input checked="" type="checkbox"/> |                               |
|                |             | Gryphon replied very politely feeling.  | 25.10.2000 01:05 | Dr. Rhett Lockman DDS   | <input checked="" type="checkbox"/> |                               |
|                |             | Alice thought to herself as well.       | 05.10.2008 06:51 | Miss Yasmine Bashirian  | <input checked="" type="checkbox"/> |                               |
|                |             | Alice did not at all comfortable and.   | 25.07.2002 07:58 | Kenyon Ortiz IV         | <input checked="" type="checkbox"/> |                               |
|                |             | Rabbit was still in sight hurrying.     | 06.09.2010 11:29 | Mr. Charlie Ferry       | <input checked="" type="checkbox"/> |                               |
|                |             | King, 'and don't look at it! This.      | 11.12.1999 05:51 | Axel Leuschke Sr.       | <input checked="" type="checkbox"/> |                               |
|                |             | The cook threw a frying-pan after her.  | 04.04.2003 10:55 | Lauryn Leffler          | <input checked="" type="checkbox"/> |                               |
|                |             | Pig! She said this she looked down.     | 20.12.1998 12:34 | Prof. Maegan Lueilwitz  | <input checked="" type="checkbox"/> |                               |
|                |             | I hate cats and dogs.' It was opened.   | 05.02.1975 06:15 | Rex Littel              | <input checked="" type="checkbox"/> |                               |
|                |             | I've finished.' So they couldn't see.   | 16.10.1997 05:34 | Jadon Swift             | <input checked="" type="checkbox"/> |                               |
|                |             | Alice. 'Now we shall get on better'.    | 14.08.2003 12:03 | Prof. Rubie Grant DDS   | <input checked="" type="checkbox"/> |                               |
|                |             | Alice feeling very glad to get her.     | 08.04.1994 01:47 | Ervin Beatty Jr.        | <input checked="" type="checkbox"/> |                               |
|                |             | King. The next witness would be worth.  | 02.07.1998 02:25 | Kacey Raynor            | <input checked="" type="checkbox"/> |                               |
|                |             | Turtle.' These words were followed by.  | 14.09.1974 12:56 | Bernie Hahn DVM         | <input checked="" type="checkbox"/> |                               |
|                |             | I suppose.' So she began nursing her.   | 07.09.1990 10:03 | Mr. Rod Mante           | <input checked="" type="checkbox"/> |                               |
|                |             | Queen who was passing at the bottom.    | 30.05.1972 03:25 | Prof. Amari Emmerich    | <input checked="" type="checkbox"/> |                               |
|                |             | March Hare. Alice sighed wearily 'I.    | 04.06.1972 12:29 | Mara Deckow             | <input checked="" type="checkbox"/> |                               |
|                |             | March Hare Alice sighed wearily 'I.     | 04.06.1972 12:29 | Mara Deckow             | <input checked="" type="checkbox"/> |                               |
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# Result in Detail

```
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  grid:
    column:
      width: 12
    items:
  folderFrame:
    component: tree
    componentSettings:
      table: pages
      folderType: tt_news
    width: 2
  filterFrame:
    component: filterbox
    componentSettings:
      storagePid: 123
      orderBy: name DESC
    width: 2
  mainFrame:
    component: resultGrid
    componentSettings:
      recordsPerPage: 25
    width: 7
  myAwesomeFrame:
    component: userClass
    componentSettings:
      class: \How\Cool\Is\That()
      mySetterFoo: husel
      mySetterBar: pusel
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```

|                |             |   |                  |                         |                                     |                               |
|----------------|-------------|---|------------------|-------------------------|-------------------------------------|-------------------------------|
| Press Releases | Latest News | Title                                   | Date/Time        | Author                  |                                     | Killer output from user class |
| News           | News 2014   | Queen's absence and were resting in.    | 24.07.1983 09:48 | Susana Lockman          | <input checked="" type="checkbox"/> |                               |
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| Motorcycles    |             | SOME change in my life! She had just.   | 21.08.1983 10:02 | Prof. Karson Trantow    | <input checked="" type="checkbox"/> |                               |
|                |             | Just then she noticed that one of.      | 07.01.1982 09:10 | Karolann Sipes          | <input checked="" type="checkbox"/> |                               |
|                |             | Alice and sighing. 'It IS a.            | 17.03.1993 10:12 | Trace Swaniawski        | <input checked="" type="checkbox"/> |                               |
|                |             | Alice. 'Stand up and say "Who am I.     | 10.11.2003 03:47 | Prof. Branson Klocko    | <input checked="" type="checkbox"/> |                               |
|                |             | March Hare interrupted in a melancholy. | 10.12.1985 11:01 | Dr. Kelly Block I       | <input checked="" type="checkbox"/> |                               |
|                |             | Alice began to feel very sleepy and.    | 25.10.1971 05:10 | Pink Lubowitz DDS       | <input checked="" type="checkbox"/> |                               |
|                |             | I THINK I can listen all day about.     | 05.08.1984 02:04 | Miss Lola Jerde V       | <input checked="" type="checkbox"/> |                               |
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|                |             | Rabbit was still in sight hurrying.     | 06.09.2010 11:29 | Mr. Charlie Ferry       | <input checked="" type="checkbox"/> |                               |
|                |             | King, 'and don't look at it! This.      | 11.12.1999 05:51 | Axel Leuschke Sr.       | <input checked="" type="checkbox"/> |                               |
|                |             | The cook threw a frying-pan after her.  | 04.04.2003 10:55 | Lauryn Leffler          | <input checked="" type="checkbox"/> |                               |
|                |             | Pig! She said this she looked down.     | 20.12.1998 12:34 | Prof. Maegan Lueilwitz  | <input checked="" type="checkbox"/> |                               |
|                |             | I hate cats and dogs.' It was opened.   | 05.02.1975 06:15 | Rex Littel              | <input checked="" type="checkbox"/> |                               |
|                |             | I've finished.' So they couldn't see.   | 16.10.1997 05:34 | Jadon Swift             | <input checked="" type="checkbox"/> |                               |
|                |             | Alice. 'Now we shall get on better'.    | 14.08.2003 12:03 | Prof. Rubie Grant DDS   | <input checked="" type="checkbox"/> |                               |
|                |             | Alice feeling very glad to get her.     | 08.04.1994 01:47 | Ervin Beatty Jr.        | <input checked="" type="checkbox"/> |                               |
|                |             | King. The next witness would be worth.  | 02.07.1998 02:25 | Kacey Raynor            | <input checked="" type="checkbox"/> |                               |
|                |             | Turtle.' These words were followed by.  | 14.09.1974 12:56 | Bernie Hahn DVM         | <input checked="" type="checkbox"/> |                               |
|                |             | I suppose.' So she began nursing her.   | 07.09.1990 10:03 | Mr. Rod Mante           | <input checked="" type="checkbox"/> |                               |
|                |             | Queen who was passing at the bottom.    | 30.05.1972 03:25 | Prof. Amari Emmerich    | <input checked="" type="checkbox"/> |                               |
|                |             | March Hare. Alice sighed wearily 'I.    | 04.06.1972 12:29 | Mara Deckow             | <input checked="" type="checkbox"/> |                               |
|                |             | March Hare Alice sighed wearily 'I.     | 04.06.1972 12:29 | Mara Deckow             | <input checked="" type="checkbox"/> |                               |
|                |             | Queen who was passing at the bottom.    | 30.05.1972 03:25 | Prof. Amari Emmerich    | <input checked="" type="checkbox"/> |                               |



# Result in Detail

tx\_ttnews\_focusapp:

grid:

column:

width: 12

items:

folderFrame:

component: tree

componentSettings:

table: pages

folderType: tt\_news

width: 2

filterFrame:

component: filterbox

componentSettings:

storagePid: 123

orderBy: name DESC

width: 2

mainFrame:

component: resultGrid

componentSettings:

recordsPerPage: 25

width: 7

myAwesomeFrame:

component: userClass

componentSettings:

class: \How\Cool\Is\That()

mySetterFoo: husel

mySetterBar: pusel

width: 1

|                |             |   |                  |                         |                               |
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|                |             | I THINK I can listen all day about.     | 05.08.1984 02:04 | Miss Lola Jerde V       |                               |
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|                |             | March Hare Alice sighed wearily 'I.     | 04.06.1972 12:29 | Mara Deckow             |                               |
|                |             | Queen who was passing at the bottom.    | 30.05.1972 03:25 | Prof. Amari Emmerich    |                               |

# Filters

- should become a universal principle
- should offer a unified "query language" (TQL?)
- should have a visual editor for unexperienced users
- can be saved and provisioned to:
  - user ("just me" mode)
  - users (explicitely)
  - groups
  - public

# Usecases

- Focus App Filterbox
- Frontend output of a plugin
  - think "generic record lister" provided by the core
- Plugin preview in the page module

# Outlook

- making FAs would be easy
- high adoption rate
- uniformed FAs
- repeating principles – strong default initiative

**Thank you for your time**