Seminar #10

Martin Ledvinka

1 Goal

Improve your skills of using React.

2 Getting Ready

- Download the project from `https://cw.fel.cvut.cz/wiki/_media/courses/b6b33ear/seminar-10-problem.zip`,

- Open the project in your favorite IDE,

- Deploy the application,

- Open command line in *src/main/webapp*,

- Execute `npm install` to download JS dependencies,

- Start UI building watcher using `npm start`.

At the end of the current week, the branch *WS2017-seminar-10-solution* in repository `https://gitlab.fel.cvut.cz/ear/reporting-tool-seminars` will be available with a solution.

3 Important Classes

Today, the following classes will be of importance:

- *FilterableReportsTable*,

- *TagStore*.

Figure 1: Tag filter selector.

4 (1pt) Task 1: Tag Selector for Report Filter

In the *reports* view of the application, there should be a component for filtering the reports by tags. Create this component and integrate it into the application. The component can display the tags:

- As toggable Bootstrap *Label*s, so that multiple tags can be used for filtering at the same time – see Figure 1,

- As a simple HTML select/multiselect, whose value(s) will be used for filtering.

5 (1pt) Task 2: Report Filtering

Based on the selector developed in Task 1, implement report filtering. The filter should work in a disjunctive mode, i.e. if a report contains *any* of the selected tags, it will be displayed in the table.

6 Resources

- https://react-bootstrap.github.io/components.html

- https://github.com/reflux/refluxjs

- https://facebook.github.io/flux/

- https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects