## PROJECTS APP – overview

Code base for the project can be downloaded from: <a href="https://github.com/badiuoanaalexandra/sievo">https://github.com/badiuoanaalexandra/sievo</a>

The project is also deployed and available online at <a href="https://amazing-hawking-9a929c.netlify.com/">https://amazing-hawking-9a929c.netlify.com/</a>

The UI is responsive and it works on all modern browsers and mobile devices (tested on Chrome, Firefox, Edge and Android Chrome).

The project was built starting with "create-react-app", afterwards "eject" command was executed to make everything local.

#### Libraries and tools:

- react
- redux for handling state
- redux-saga redux middleware for handling actions
- css3 with media queries normally I would use scss, but this was a small project, so I decided to leave it out and just handle everything with normal css
- jest and enzyme for unit testing

I am aware that probably it would have been easier and faster to use a library like "ReactTable", however it wouldn't give me the freedom to create the responsive UI that I wanted, so I decided to implement everything myself. I also felt it would be better this way from an "assignment" point of view.

The app consists mainly of the "src" folder, that has actions, assets, components, helpers, reducers and sagas and the "\_\_tests\_\_" folder on the same level as the src folder, which replicates the src structure for writing the tests.

I have made some assumptions when creating the app based on the projects data and requirements

- fields that should be of type date have "date" included in the json field name
- dates and numbers will be displayed in the Finnish format

### Features:

- sorting by project id
- searching based on the description field, search is case insensitive, the table updates while typing
- reset which clears the search field and disables the sort it doesn't re-fetch the projects
- to re-fetch the projects from the api refresh the page
- dates and numbers are displayed in Finnish format
- if values are too long to fit the cell they will be cut
- the UI updates on resizing the window or changing from portrait to landscape mode on tablets and mobiles

To start the project on local environment, open the NPM console, go to the app folder and run: npm start

To execute the tests run: npm tests (for watching changes) or npx jest for running all the tests.

The style.js file is auto-generated by the react-native module based on the style.css for each component and it is not in use at the moment.

```
Time: 9.214s
Ran all test suites.

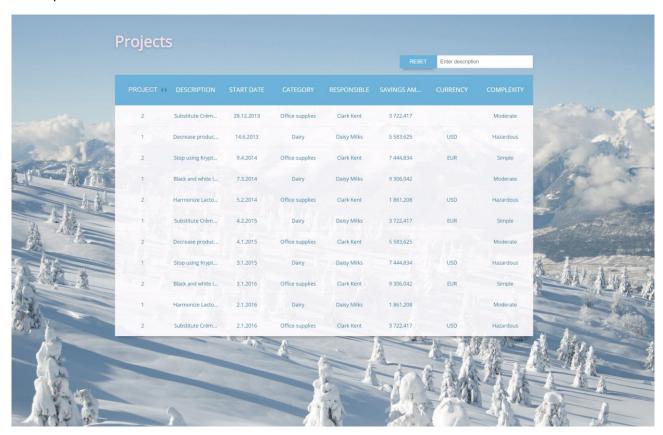
C:\Sievo\sievo-git\npx jest
npx: installed 1 in 1.924s
Path must be a string. Received undefined
C:\Sievo\sievo-git\node_modules\jest\bin\jest.js

PASS _tests_/actions/uiActions.test.js
PASS _tests_/reducers/footReducer.test.js
PASS _tests_/sagas/projectsFilterSagas.test.js
PASS _tests_/components/filter/index.test.js
PASS _tests_/components/filter/index.test.js
PASS _tests_/components/able/index.test.js
PASS _tests_/components/able/index.test.js
PASS _tests_/components/app/index.test.js
PASS _tests_/sagas/projectsResetSagas.test.js
PASS _tests_/sagas/projectsResetSagas.test.js
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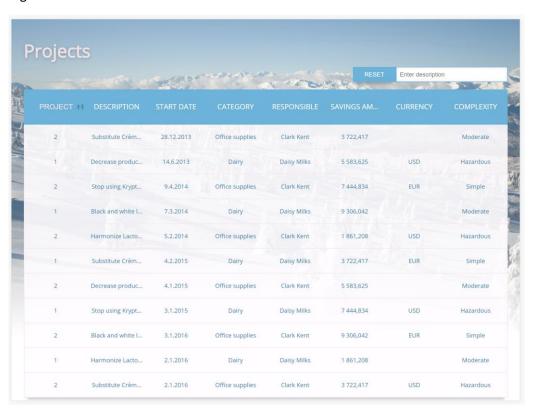
There are currently 20 tests suites that contain 51 tests, which cover almost the whole application.

### Few screenshots:

### Desktop:



## Big Tablet:



# Small tablet:

Enter description			
SORT	4+	RESET	
PROJECT	2		
DESCRIPTION	Substitute Crème fraîche with evaporated milk in ice-cream products		
START DATE	28.12.2013		
CATEGORY	Office supplies		
RESPONSIBLE	Clark Kent		
SAVINGS AMOUNT	3 722,417		
CURRENCY			
COMPLEXITY	Moderate		
	Sec.	OR ASTA	
PROJECT	1		
DESCRIPTION	Decrease production related non-categorized side costs		
START DATE	14.6.2013		
CATEGORY	Dairy	Dainy	

# Mobile:

Enter description			
SORT	++	RESET	
PROJECT	2		
DESCRIPTION	Substitute Crème fraîche with evap		
START DATE	28.12.2013		
CATEGORY	Office supplies		
RESPONSIBLE	Clark Kent		
SAVINGS AMO	3 722,417		
CURRENCY			