**BOM**

**DEADLINE:** 28/01/2020

**FOLDER STRUCTURE**

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| --- | --- |
| FL12\_HW12/\*     └─ task/      └─ FL12\_HW12.docx  └─ homework/\*     └─ src/\*  └─ app.js\*  └─ .eslintrc.js\*  └─ assets/\*  └─ styles.css\*  └─ index.html\* | \* - required |

**TASK**

Implement a simple sets of terms constructor (use quizlet.com sets for example).

When the application loaded I can see the list of sets (it should be empty on the first load). In the top-right corner, I can see the button which allows me to add a new set to the list.

Application consists of three pages:

* Main page;
* Add new set;
* Modify exist set.

**The Main page**

This page shows us a list of sets (each set should be editable, markable as studied and removable from the list) and has next features:

* Add new set (Button 'Add new' In the top-right corner. Upon clicking the "Add new" button system should redirect to the "Add new set" page).

There should be two buttons under each exist set:

* Edit (opens modify set page);
* Remove (removes set from the list).

Upon clicking the set it should be marked as studied and moved to the end of the list);

**"Add new set" page**

The URL hash should have #/add suffix.

The “Add new item” page shows empty "Name" input field, "Add terms", "Save changes" and "Cancel" buttons.

Set can be saved only if "Name" it's filled.

"Add terms" button should add a block with two "term" and "definition" inputs and "Remove" button. For example:



If set was saved, the application will redirect user to main page. The last added set should be displayed at the end of all list and before sets marked as studied.

"Cancel" button redirects user to main page without saving.

**"Modify set" page**

The URL hash should consist of #/modify/:item\_id suffix.

The "Modify set" page shows inputs field with appropriate value, "Save changes" and "Cancel" buttons. Modified set can be saved when name is not empty. After successful modification, application redirects to the main page. And the modified item should be located in the same position as it was before the modification.

"Cancel" button redirects user to main page without saving.

**Please pay attention that:**

1. After refreshing the page all previously added items should be shown. (Please use localStorage for storing data)

2. All pages should be rendered into <div id="root"></div> which locates inside the body tag. (Please listen to hashchange event to appropriately handle changing of routes)

**RESTRICTIONS**

* You don’t need to spend time for implementing design of the application (you could reuse some existed if it possible)
* You don’t need to use any frameworks or libs for routing, just pure JS and HTML

**BEFORE SUBMIT**

* Verify that code is formatted.
* Remove unnecessary code.
* Verify that all functionality is implemented according to requirements.
* Remove or add comments.

**SUBMIT**

* The FL12\_HW12 folder without task folder should be uploaded to github repository “FL-12” into master branch.