

Create a Single-page application (SPA) in Vue.js implementing a simple Todo list. The application should follow the Flux/Redux architecture principles in terms of app state management and uni-directional data flow. A sample Vue.js project can be created via *vue-cli* as explained here:

<https://github.com/vuejs/vue-cli> .

Add the dependencies to enable routing inside the SPA, state management (vuex, <https://vuex.vuejs.org/en/> ) and API calls (axios, <https://alligator.io/vuejs/rest-api-axios/> ), install all other dependencies and launch the dev server:

```
$ cd $MYPROJECT_DIR
$ npm install --save vue-router vuex vuex-router-sync axios vue-axios
$ npm install
$ npm run dev
```

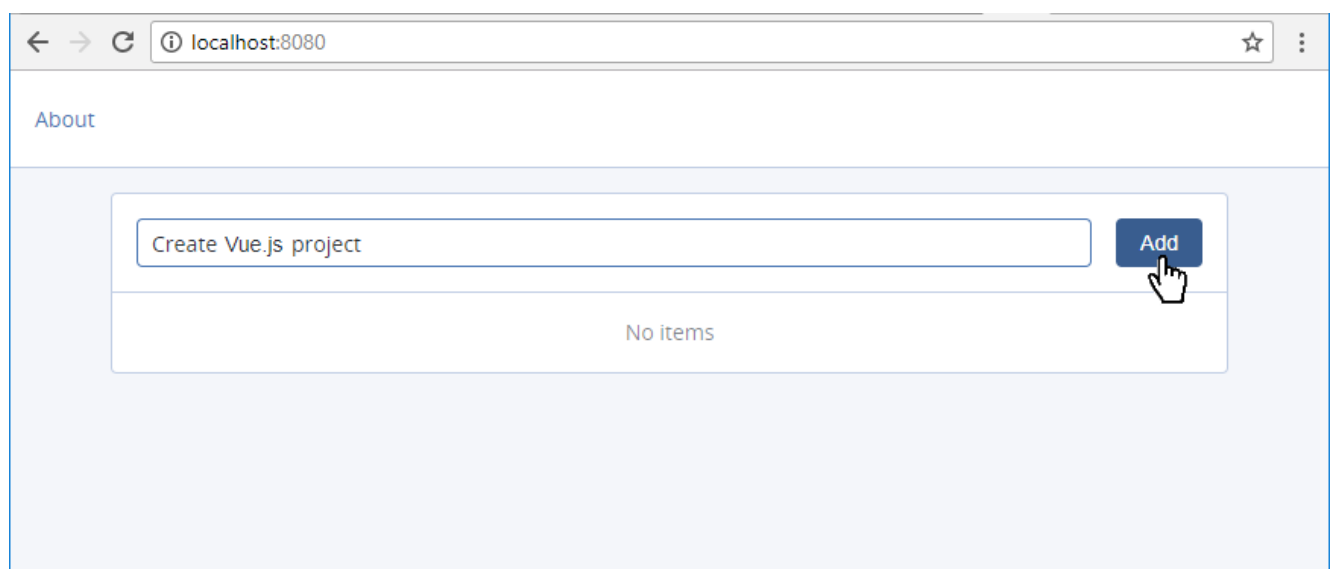
Your application should be able to maintain a Todo list of activities:

- adding an activity (item to the list),
- updating the activity (toggle status between completed/not completed),
- delete an activity, and
- list all the activities when the page is first loaded or reloaded\* .

The application should look like it is given on the pictures below and element-ui should be used as a UI Component library <https://element.eleme.io/>.

Also you need to write one unit or snapshot test using Jest <https://jestjs.io/>.

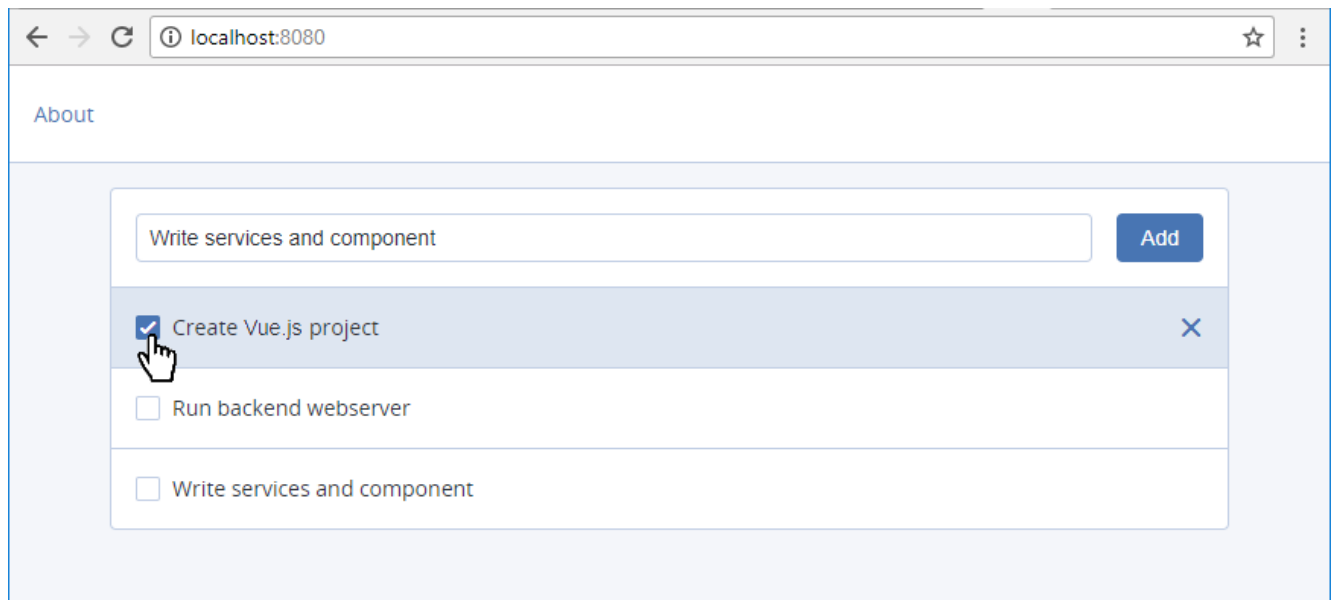
. Add item:



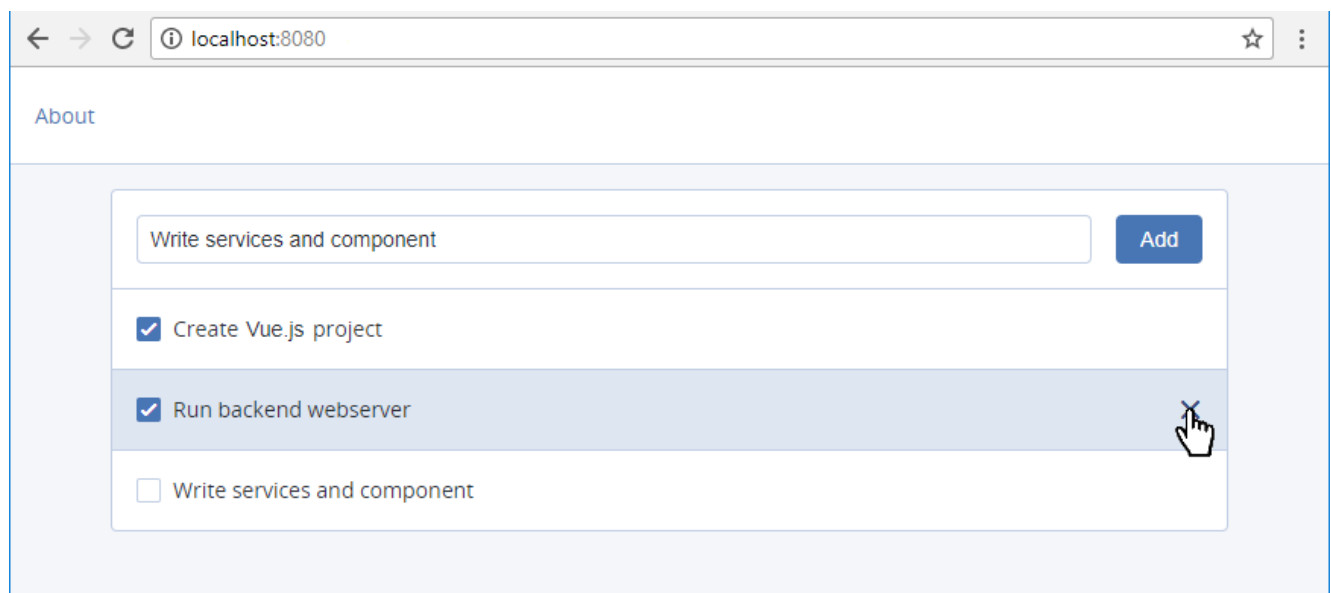
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\* Tip: in order to maintain the list state between the page reloads consider implementing a simple backend server to store the database of the Todo items that would get updated via Ajax calls every time the user changes the list in browser.

Update item status:



Delete item:



List all items after page reloads:

