

For each of the tasks below time yourself or keep an estimate of how long it took you to complete them.

Task 1:

Create a dynamic multi-level navigation menu, the items of the menu can be retrieved from the link bellow:

<http://vervesearch.com/test.json>

(Store the JSON on a local server and do an AJAX request to the server to retrieve the data)

Additional information

- document the project on how to run it when getting a copy on a different system.
- your code should work even if the number of items or sub-items changes
- the page should be responsive
- your code should be written in React.
- the items of the menu should appear when hovering the parent item (use CSS only)
- when clicking on the item show the relevant content from the JSON in a box below the navigation bar
- do not use css frameworks like bootstrap.

Task 2:

For each of the following systems, list the classes (OOP) that you think can represent the system:

1. A Todo Application.
2. Cinema tickets booking system.

Additional information

- For the above system, no code is required, just the names of the classes.
- This is a software engineering task so it shouldn't show any react component name etc.
- The classes should represent an OOP model of the system.