



## Front-end Engineer Test

Test timeframe: 2 hours

### What we are testing your expertise in

- HTML, CSS and Responsive Web
- Vanilla JavaScript and JavaScript Frameworks
- Object-oriented Programming

Your test is to implement a to-do list dashboard according to the provided design (in the next page) and instructions. All red color elements in the design are only for explanation purpose.

The dashboard has many to-do lists. Each to-do list has many items. The lists have fixed height, and are arranged inline. Lists are sorted by name in alphanumeric order.

### Action requirements

- Create a list
- Edit name of a list
- Remove a list
- Create an item
- Check an item as completed
- Uncheck an item as open
- Drag an item from a list to another
- Remove an item

### Additional Requirement

Implement function `window.getOpenItems()` to return an array of remaining items grouped by list.

E.g.

```
[
  {
    name: "Movies to watch",
    openItems: ["Interstella", "DogCat"]
  },
  {
    name: "Yoooooo",
    openItems: []
  }
]
```

Please try to complete the test as much as you can. We would like to see how you code and what you code.

Your code should be clean, scalable, testable, and properly commented (if any).

# DASHBOARD

Clicking Create button add new list to the dashboard

New To-do List

Create

Movies to watch

☐ Interstellar

☒ ~~The Martian~~

toggle checkbox to mark item as completed/open

☐ 4 armchairs

Zoombie Furnitures

New item

☒ ~~20 tables~~

☐ 4 armchairs

☐ 4 armchairs

Clicking the List title text converts it to textbox

Movies to watch

☐ ~~Interstellar~~

☒ ~~Martian~~

Clicking save button saves the content and converts it back to label form

Add new item Button

Clicking Trash button removes the list

“New item” textbox appears when “Add new item” button is clicked. Pressing Enter to add the item. Press Esc to dismiss.

Clicking Cross button removes item

Lists are sorted by name in alphanumeric order

Items can be dragged between lists