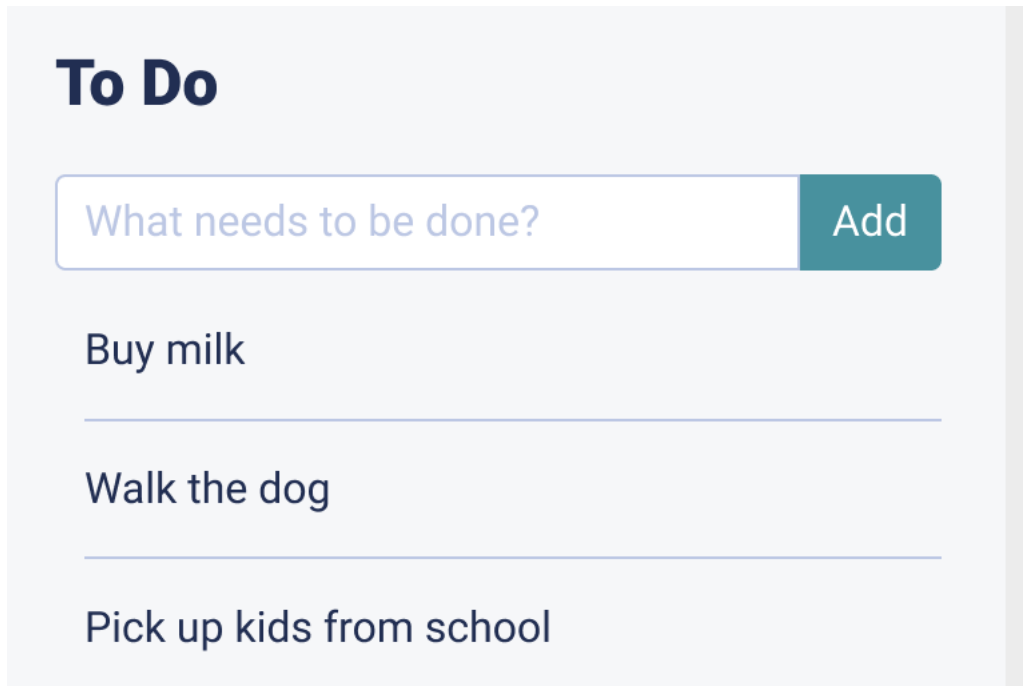


Test assignment

Develop a simple to do list application. Make sure the code you write is well-structured and is easy to understand. Try to match the proposed UI as closely as possible.

Requirements

A mockup of a 'To Do' list application. It features a light blue header with the title 'To Do' in a bold, dark blue font. Below the header is a white input field with a light blue border and a teal 'Add' button to its right. The input field contains the placeholder text 'What needs to be done?'. Below the input field, there is a list of three tasks: 'Buy milk', 'Walk the dog', and 'Pick up kids from school'. Each task is separated from the one below it by a thin horizontal line. The entire interface is set against a light blue background with a subtle vertical gradient on the right side.

- Create the UI part using your framework of choice. Use this mock up as a reference.
- Implement an ability to add item to the list by typing into the input field and clicking Add.
- Implement an ability to press enter instead of clicking the add button.
- Create backend part using your framework of choice.
- Implement an API to store and retrieve tasks in the data store you're most comfortable with.
- Integrate frontend and backend part

Bonus

To Do

Add

Buy milk

Remove

Walk the dog

Remove

~~Pick up kids from school~~

- Add an ability to complete the item in the list by clicking on it. The item becomes gray and crossed out when completed. Save the completed status on the backend.
- Add an ability to remove items from the list by clicking the Remove button. Remove the item from the backend as well.
- Support optimistic updates for addition, removal and completion with the proper error handling.