Topic: Todo List app using node-persist Module Assignment 2, in the backend course.

Github Repository Link: https://github.com/Trupti0406/todo-node-persist
Working video Link: Click Here

Approach:

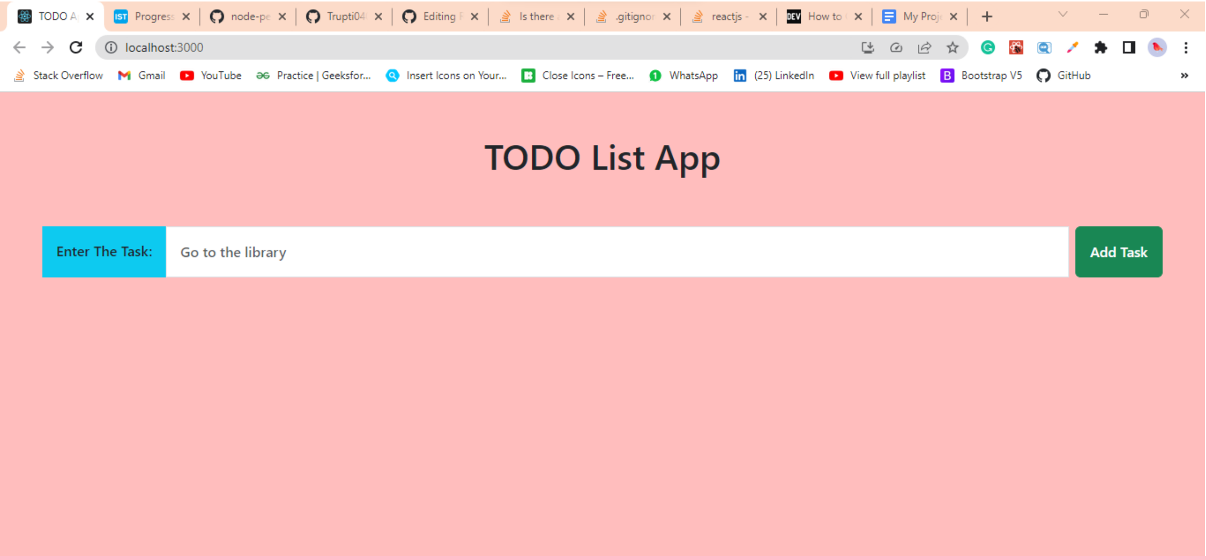
Instructions in this assignment were pretty straightforward, these are the steps that I followed while creating this application:

1) I created 2 folders inside my root directory, one for “frontend” and another for “backend”.
2) In my frontend folder, I created a react app and made the UI for the application.
3) Then in the backend folder, I created my node app. And installed all the required packages. And started working on APIs.
4) In the instructions, it is mentioned that we have to add tasks (POST request) and then display them in the form of a list (GET) request.
5) So my first two APIs are “/addTodo” and “/getTodo”.
6) While sending a task, traditionally we also send an id. Here to get a unique ID every time I enter a task, I have used a javascript library called “uuid”.
   This is the article that I referred to for the same: Methods to generate random IDs.
7) Now the third API is for clearing the storage (DELETE). For that, I’ve used storage.clear() function as mentioned in the instructions.
8) I’ve created a separate component to render the app in React, the component is called Todo.jsx.
9) In my Todo component, I’ve used useState and UseEffect hooks to achieve the desired output.
10) The submitHandler in said component handles the fetching and displaying of tasks.
11) The deleteHandler is responsible for clearing the storage after refreshing the page for which I’ve called it in a useEffect hook with empty array dependency.

Learning Outcomes:

- Understood the usage of the node-persist module in depth.
- Learned to connect the backend to the frontend using REST APIS.
- Got comfortable with sending API requests and testing them.

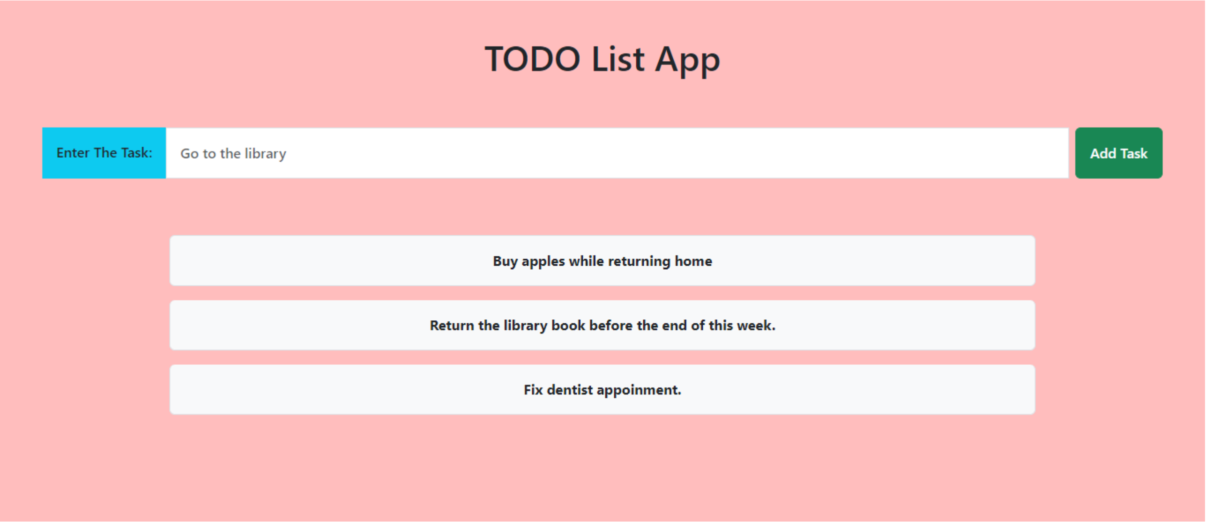
Screenshots:



TODO List App

Enter The Task: Go to the library

Add Task



TODO List App

Enter The Task: Go to the library

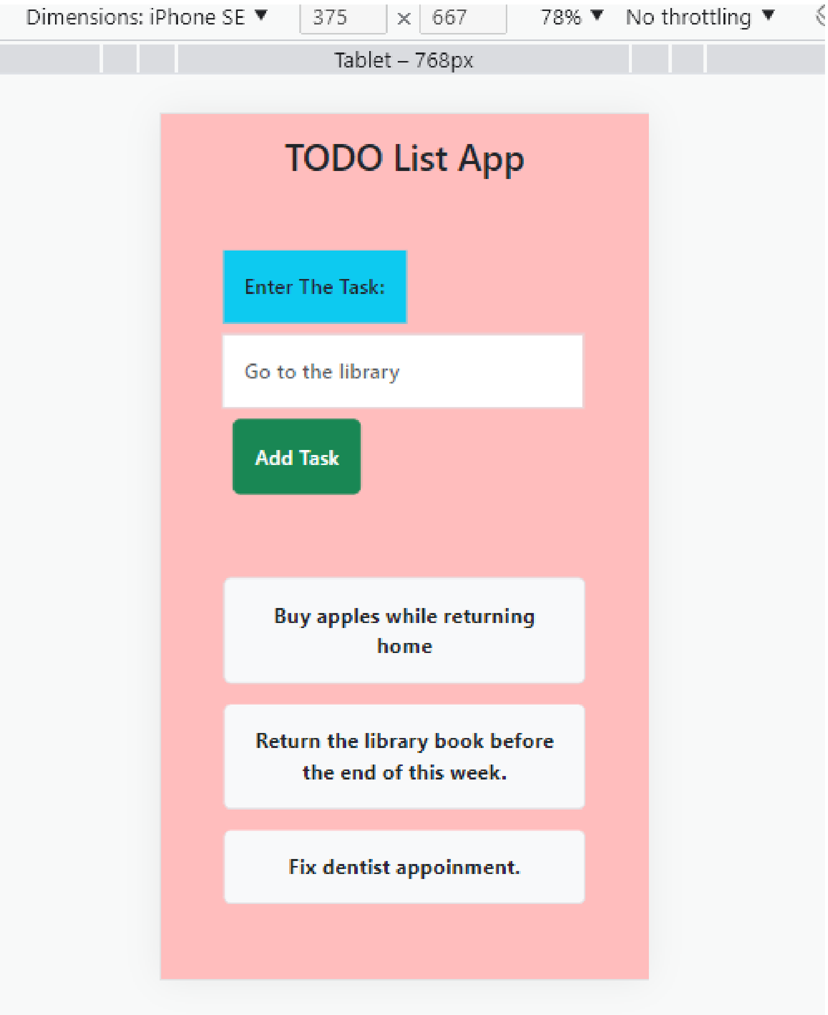
Add Task

Buy apples while returning home

Return the library book before the end of this week.

Fix dentist appoinment.

This app is fully responsive for all devices:



Dimensions: iPhone SE ▼ 375 × 667 78% ▼ No throttling ▼

Tablet – 768px

TODO List App

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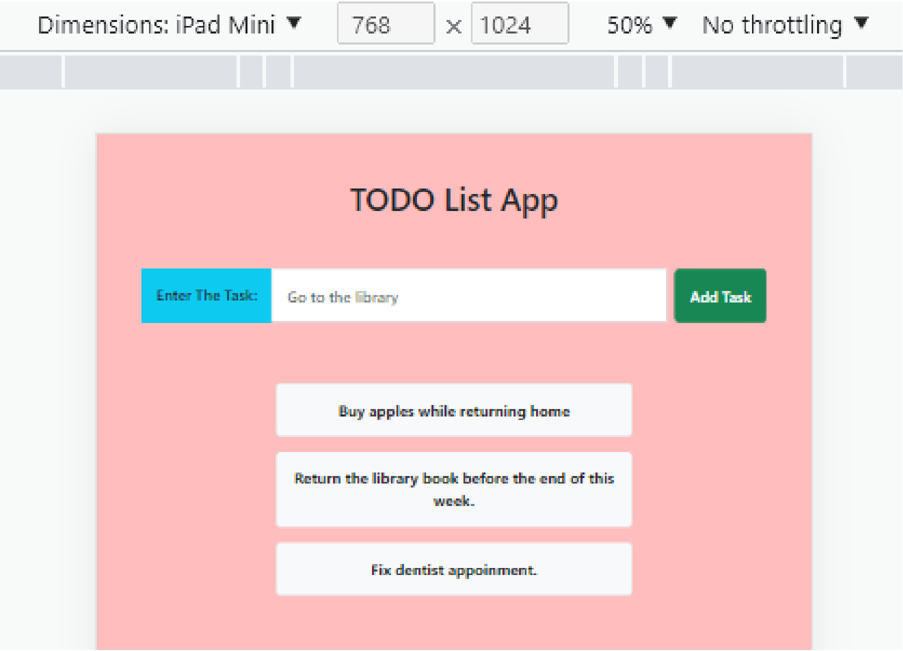

Dimensions: iPad Mini ▼ 768 × 1024 50% ▼ No throttling ▼

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