

To-Do LIST APPLICATION

IIHT

Time To Complete: 2 hr

CONTENTS

1	Problem Statement	3
2	Proposed 34	
2.1	34	
3	Business-Requirement	7
4	Validations	7
5	58	
6	68	

1 PROBLEM STATEMENT

"To-Do List Application" is a Single Page Application (SPA) that empowers users to have a record of all todos with options to add, edit or delete any todo with details..

2 PROPOSED TO-DO APPLICATION WIREFRAME

UI needs improvisation and modification as per given use case and to make test cases passed.

2.1 WELCOME PAGE

Welcome to your Task Manager

Task Form

Add a Task

Title: Priority: Category: Completed: ☐

Task List

- Title: Task 1
Priority: High
Category: Work
Completed: Yes
- Title: Task 2
Priority: Medium
Category: Personal
Completed: No
- Title: Task 3
Priority: Low
Category: Study
Completed: Yes

SCREEN SHOTS

Welcome to your Task Manager

Task Form

Edit Task

Title: Priority: Category: Completed: ☒

Task List

- Title: Task 1
Priority: High
Category: Work
Completed: Yes
- Title: Task 2
Priority: Medium
Category: Personal
Completed: No
- Title: Task 3
Priority: Low
Category: Study
Completed: Yes

Welcome to your Task Manager

Task Form

Add a Task

Title: Priority: Category: Completed: ☒

Task List

- Title: Task 1
Priority: High
Category: Work
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3 BUSINESS-REQUIREMENT:

As an application developer, develop the To-Do Application (Single Page App) with below guidelines:

User Story #	User Story Name	User Story
US_01	Welcome Page	<p>As a user I should be able to visit the welcome page as default page.</p> <p>Acceptance criteria:</p> <ol style="list-style-type: none">1. Users should be able to see a form to add a new todo.2. Users should be able to see the list of all todos.3. It must have Title, Priority, Category & Completed fields along with an Add Task button.4. List should have an Edit and Delete button to edit and delete a todo respectively.

4 VALIDATIONS

- All required fields must be fulfilled with valid data.
- In the starting “Add Task” button should be disabled.
- Only after validating fields, “Add Task” button should be enabled.
- Once we click on “Add Task”, a new task must be added to the list.

5 CONSTRAINTS

- You should be able to press the “TAB” key and “SHIFT + TAB” to navigate from top field to bottom field and vice-versa.
- On clicking the “Add Task” button, a new task must be added with entered fields.
- “Add Task” button will be disabled until all validations are fulfilled.

6 MANDATORY ASSESSMENT GUIDELINES

1. All actions like build, compile, running application, running test cases will be through Command Terminal.
2. These are time bound assessments the timer would stop if you logout and while logging in back using the same credentials the timer would resume from the same time it was stopped from the previous logout.
3. You can follow series of command to setup React environment once you are in your project-name folder:
 - a. `npm install` -> Will install all dependencies -> takes 10 to 15 min
 - b. `npm run start` -> To compile and deploy the project in browser. You can press <Ctrl> key while clicking on localhost:8080/8081 to open project in browser -> takes 2 to 3 min
 - c. `npm run json-start` -> As we are using a json server to mimic our db.json file as a database. So, this command is useful to start a json server.
 - d. `npm run test` -> to run all test cases. **It is mandatory to run this command before submission of workspace** -> takes 5 to 6 min
4. You may also run “`npm run jest`” while developing the solution to re-factor the code to pass the test-cases.