ECOMMERCE APPLICATION

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1 PROBLEM STATEMENT

"E Commerce Application " is a Single Page Application (SPA) that empowers users to list all products with details like name, description and price. It allows users to edit and delete any product along with gives option to search any product also.

2   PROPOSED E COMMERCE 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 Product Catalog

Product Form

Add a Product

Name: [_____] Description: [_____] Price: [_____] [Add Product]

Products List

Filter by Name: [_____]

- **Name:** Laptop
  Description: DELL Laptop
  Price: 59999 [Edit] [Delete]
- **Name:** Mouse
  Description: Wireless Mouse
  Price: 400 [Edit] [Delete]

SCREEN SHOTS

Welcome to your Product Catalog

Product Form

Edit Product

Name: [Laptop] Description: [DELL Laptop] Price: [59999] [Update Product]

Products List

Filter by Name: [_____]

- **Name:** Laptop
  Description: DELL Laptop
  Price: 59999 [Edit] [Delete]
- **Name:** Mouse
  Description: Wireless Mouse
  Price: 400 [Edit] [Delete]

Welcome to your Product Catalog

Product Form

Add a Product

Name: [_____] Description: [_____] Price: [_____] [Add Product]

Products List

Filter by Name: [carp]

- **Name:** Carpet
  Description: Description for Carpet
  Price: 39.99 [Edit] [Delete]

3   BUSINESS-REQUIREMENT:

As an application developer, develop the E Commerce Application (Single Page App) with below guidelines:

User Story #	User Story Name	User Story
US_01	Welcome Page	As a user I should be able to visit the welcome page as default page. Acceptance criteria: 1. Users can list all products. 2. Users can add a product with details. 3. Users can search for a product. 4. Add Product should be disabled by default until all fields are filled. 5. Should be able to see the Edit and Delete button in each item.

4   Validations

- All required fields must be fulfilled with valid data.
- Price field should accept only numeric values.
- In the starting "Add Product" button should be disabled.
- Only after validating fields, "Add Product" button should be enabled.

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 Product" button, the particular product should be added.

6   Mandatory Assessment Guidelines

1. **All actions like build, compile, running application, running test cases will be through Command Terminal.**

2. **To open the command terminal the test takers, need to go to**

   Application menu (Three horizontal lines at left top) -> Terminal ->New Terminal.

3. **This editor Auto Saves the code.**

4. **If you want to exit(logout) and continue the coding later anytime (using Save & Exit option on Assessment Landing Page) then you need to use CTRL+Shift+B-command compulsorily on code IDE. This will push or save the updated contents in the internal git/repository. Else the code will not be available in the next login.**

5. **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.**

6. **To test any Restful application, the last option on the left panel of IDE, you can find ThunderClient, which is the lightweight equivalent of POSTMAN.**

7. **This is a web-based application, to run the application on a browser, use the internal browser in the workspace. Click on the second last option on the left panel of IDE, you can find Browser Preview, where you can launch the application.**
   Note: The application will not run in the local browser

8. **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 -> To start the json server. As all data is stored in our db.json file.**
   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**

9. **You may also run "npm run jest" while developing the solution to re-factor the code to pass the test-cases.**

10. **Once you are done with development and ready with submission, you may navigate to the previous tab and submit the workspace. It is mandatory to click on "Submit Assessment" after you are done with code.**

11. **You need to use CTRL+Shift+B - command compulsorily on code IDE, before final submission as well. This will push or save the updated contents in the internal git/repository, and will be used to evaluate the code quality.**