

EXPENSE TRACKER

IIHT

Time To Complete: 10 to 12 hr

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1 PROBLEM STATEMENT

Expense Tracker is a SPA (Single Page Application) that allows users to manage their expenses. Users can input their data, specify the details and see all expenses with a total amount.

2 PROPOSED EXPENSE TRACKER WIREFRAME

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

2.1 WELCOME PAGE

The wireframe shows a web browser window with the address bar displaying 'localhost:4200'. The page title is 'Money manager' and the subtitle is 'Personal Budget Tracker'. Below the title, there is a form for adding a new expense with the following fields: 'Description:' (text input), 'Amount:' (text input with '0' pre-filled), 'Date:' (text input with 'mm/dd/yyyy' placeholder and a calendar icon), and 'Category:' (dropdown menu with 'Cash' selected). Below the form is an 'Add Expense' button. Underneath the button, it says 'Total Expense: 1700'. At the bottom, there is a list of expenses with 'Edit' and 'Delete' buttons for each item.

← ↻ ⓘ localhost:4200

Money manager

Personal Budget Tracker

Description:

Amount:

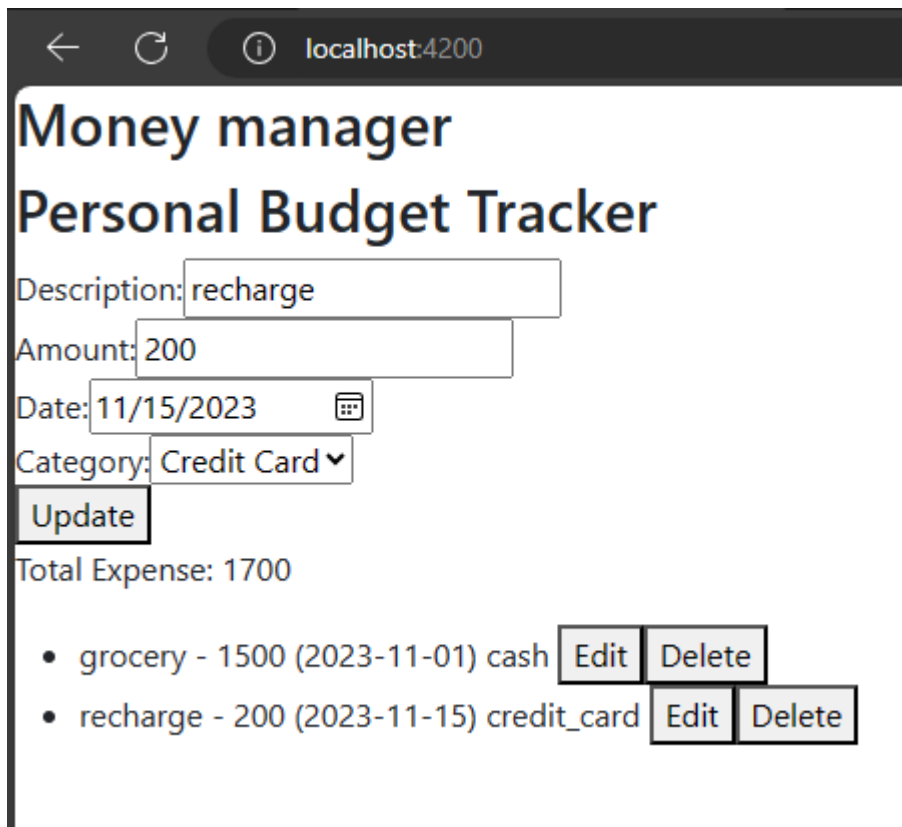
Date:

Category: ▼

Total Expense: 1700

- grocery - 1500 (2023-11-01) cash
- recharge - 200 (2023-11-15) credit_card

2.2 SCREENSHOTS



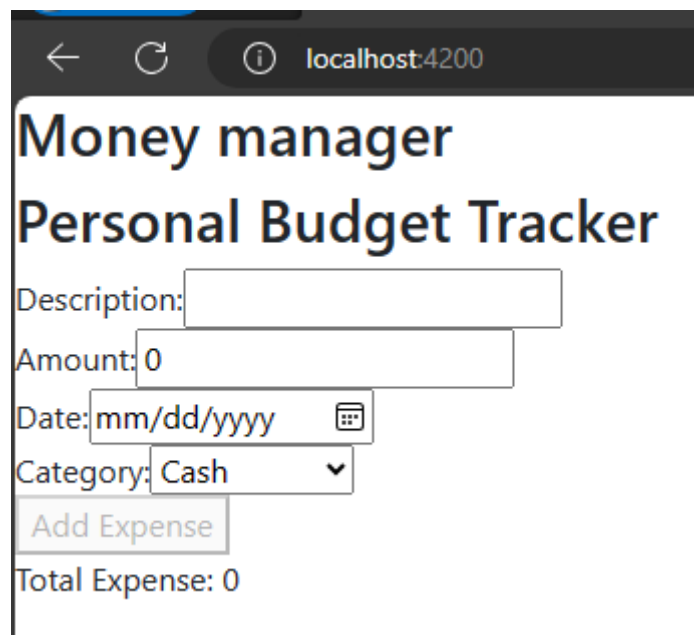
A screenshot of a web application titled "Money manager Personal Budget Tracker" running on localhost:4200. The form contains the following fields: "Description:" with the value "recharge", "Amount:" with the value "200", "Date:" with the value "11/15/2023" and a calendar icon, and "Category:" with a dropdown menu showing "Credit Card". Below the form is an "Update" button. Underneath the form, it says "Total Expense: 1700". At the bottom, there is a list of expenses with "Edit" and "Delete" buttons for each item.

Money manager
Personal Budget Tracker

Description: recharge
Amount: 200
Date: 11/15/2023
Category: Credit Card
Update

Total Expense: 1700

- grocery - 1500 (2023-11-01) cash Edit Delete
- recharge - 200 (2023-11-15) credit_card Edit Delete



A screenshot of the same web application, but showing the "Add Expense" form. The fields are: "Description:" (empty), "Amount:" with the value "0", "Date:" with the placeholder "mm/dd/yyyy" and a calendar icon, and "Category:" with a dropdown menu showing "Cash". Below the form is an "Add Expense" button. Underneath the form, it says "Total Expense: 0".

Money manager
Personal Budget Tracker

Description:
Amount: 0
Date: mm/dd/yyyy
Category: Cash
Add Expense

Total Expense: 0

3 BUSINESS-REQUIREMENT:

As an application developer, develop the Expense Tracker 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. Should be able to see a form to add expense with fields for Description, Amount, Date and Category.2. The "Add Expense" button should be disabled by default, and should be enabled when you fill all fields.3. Should be able to see the Edit and Delete option to edit and delete any expense respectively.4. Should be able to see "Total Expense".

4 CONSTRAINTS

1. You should be able to press the "TAB" key and "SHIFT + TAB" to navigate from top field to bottom field and vice-versa.
2. On clicking the "Add Expense" button, a new expense must be added.

5 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. 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
7. You can follow series of command to setup Angular 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:4200 to open project in browser -> takes 2 to 3 min
 - c. npm run test -> to run all test cases. **It is mandatory to run this command before submission of workspace -> takes 5 to 6 min**
8. You may also run “npm run jest” while developing the solution to re-factor the code to pass the test-cases.
9. 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.
10. 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.