

LOAN APPLICATION

IIHT

Time To Complete: 10 to 12 hr

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1 PROBLEM STATEMENT

"Loan Management Application" is a Single Page Application (SPA) that empowers banks to have a record of all loans taken by all different users with details.

2 PROPOSED LOAN APPLICATION WIREFRAME

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

2.1 WELCOME PAGE



A browser window showing a web application at localhost:4200/. The page has a header with the title "Loan Application" and a subtitle "Loan Management". Below the header, there is a section titled "Add Loan" which contains a form with four input fields: "Customer Name", "Loan Amount", "Interest Rate", and "Duration in Months", followed by an "Add Loan" button. Below this form is a section titled "Search Loans" which contains a single input field labeled "Search Loans". At the bottom of the page is a section titled "List of Loans".

2.2 SCREENSHOTS



A browser window showing the same web application as the wireframe, but with a list of loans displayed under the "List of Loans" section. The list shows a single loan with the following details: "Customer: ABC", "Loan Amount: 1000000", "Interest Rate: 10", and "Duration (Months): 24". Below the loan details are two buttons: "Edit" and "Delete".

Loan Application

Loan Management

Add Loan

Customer Name Loan Amount Interest Rate Duration in Months Add Loan

Search Loans

Search Loans

List of Loans

. Customer: ABC

Loan Amount: 1000000

Interest Rate: 10

Duration (Months): 24

Edit Delete

Edit Loan

ABC 1000000 10 24 Save Cancel

3 BUSINESS-REQUIREMENT:

As an application developer, develop the Loan Management 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 can see the list of all loans with details. 2. Users should see the Edit and Delete button in each loan to edit and delete it. 3. Users should be able to see the Add Loan button to add a new loan. 4. There must a text field to search any loan.

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. By default the “Add Loan” button should be disabled. Only after validating all fields it should be enabled.
3. By default the “Add Loan” button should be disabled.

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 the <Ctrl> key while clicking on localhost:4200 to open the project in the browser -> takes 2 to 3 min.

- c. `npm run jest` -> to run all test cases and check summary. takes 5 to 6 min.
 - 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.
8. 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.
9. 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.