

BLOOD BANK APPLICATION

IIHT

Time To Complete: 10 to 12 hr

CONTENTS

1	Problem Statement	3
2	Proposed Blood Bank Application Wireframe	4
2.1	Welcome page	4
3	Business-Requirement:	5
4	Constraints	5
5	Mandatory Assessment Guidelines	6

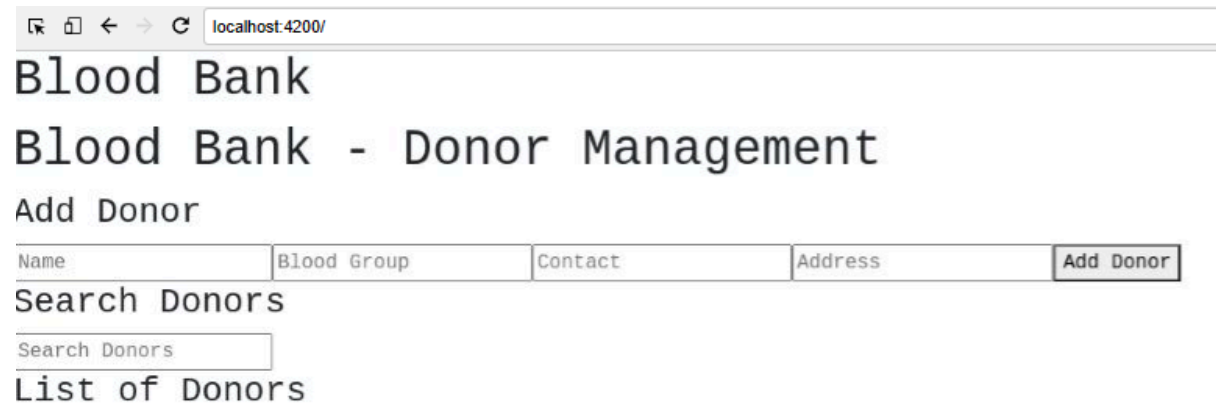
1 PROBLEM STATEMENT

"Blood Bank Application" is a Single Page Application (SPA) that empowers users to have a record of all bank donors with multiple details address, blood group and contact details.

2 PROPOSED BLOOD BANK APPLICATION 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 URL 'localhost:4200/'. The page content includes a main heading 'Blood Bank', a sub-heading 'Blood Bank - Donor Management', and a section titled 'Add Donor'. Below this is a form with four input fields: 'Name', 'Blood Group', 'Contact', and 'Address', followed by an 'Add Donor' button. A 'Search Donors' section contains a search input field. At the bottom, there is a section titled 'List of Donors'.

2.2 SCREENSHOTS



The wireframe shows a web browser window with the URL 'localhost:4200/'. The page content includes a main heading 'Blood Bank', a sub-heading 'Blood Bank - Donor Management', and a section titled 'Add Donor'. Below this is a form with four input fields: 'Name', 'Blood Group', 'Contact', and 'Address', followed by an 'Add Donor' button. A 'Search Donors' section contains a search input field. At the bottom, there is a section titled 'List of Donors' which displays a list of donors. The first donor is 'ABC' with the following details: 'Blood Group: A-', 'Contact: 9999999999', and 'Address: PQR, 123, XYZ'. Below the donor details are 'Edit' and 'Delete' buttons.

localhost:4200/

Blood Bank

Blood Bank - Donor Management

Add Donor

Name
 Blood Group
 Contact
 Address

Search Donors

Search Donors

List of Donors

. ABC

Blood Group: A-

Contact: 9999999999

Address: PQR, 123, XYZ

Edit Donor

ABC
 A-
 9999999999
 PQR, 123, XYZ

3 BUSINESS-REQUIREMENT:

As an application developer, develop the Blood Bank 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 donors. 2. Users should see the Edit and Delete button in each donor to edit and delete it. 3. Users should be able to see the Add Donor button to add a new donor. <ol style="list-style-type: none"> 1. There should be a textfield to search for any donor.

4 CONSTRAINTS

2. You should be able to press the “TAB” key and “SHIFT + TAB” to navigate from top field to bottom field and vice-versa.
3. By default the “Add Donor” button should be disabled. Only after validating all fields can it be enabled.
4. By default the “Add Donor” 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.