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# System Requirements Specification

Index

For

**Social Networking App**

Version 1.0

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# FRONTEND-ANGULAR SPA

## 1 PROBLEM STATEMENT

Social Networking is SPA (Single Page Application), it allows to manage the users with functionalities to create a new user, update an existing user, get detailed information, and search any particular user.

## 2. PROPOSED SOCIAL NETWORKING MANAGEMENT WIREFRAME

### 2. 1 HOME PAGE

The wireframe shows a web browser window with the title 'Social Networking Full Stack App'. The browser's address bar shows 'localhost:4200'. The page content is as follows:

### User Management

Form fields for user creation and update:

- Name
- Username
- Email
- Password
- Profile Picture
- Bio
- Location
- Date of Birth (dd-mm-yyyy)
- Gender
- Interests

Buttons: Create, Update

### Users

Name	Username	Email	Profile pic	Bio	Location	DOB	Gender	Interests	Actions
Venu	Venugopal	venu@gmail.com	Venu Pic	Developer at WIT	Bangalore	2023-06-17	MALE	Learning	<button>Edit</button> <button>Delete</button>

### Search Users

Search by Username

Search by Email

### 3. BUSINESS-REQUIREMENT:

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As an application developer, develop the Social Networking App (Single Page App) with below guidelines:

User Story #	User Story Name	User Story
US_01	Home Page	As a user I should be able to visit the home page as default page. Where I can see a form to create or update the user, list of all users with options to edit and delete any user and last two should be a form to search any user with user name or email.
US_01	Home Page	<p>As a user I should be able to see the homepage and perform all operations:</p> <p>Acceptance criteria:</p> <ol style="list-style-type: none"><li>As a user I should be able to furnish following details at the time of creating the user.<ol style="list-style-type: none"><li>Name</li><li>User name</li><li>E-mail</li><li>Password</li><li>Profile picture</li><li>Bio</li><li>Location</li><li>Date of birth</li><li>Gender</li><li>Interests</li></ol></li><li>Update button should be disabled by default, and should be enabled when you click on Edit button.</li><li>Name filed min length is 3 and max length 50.</li><li>User name filed min length is 3 and max length 20.</li><li>E-mail should be valid email.</li><li>Password min length is 8 and max length 20.</li><li>Bio max length is 200.</li></ol>

		<p>8. Location max length is 100.</p> <p>9. Name, username, email, password fields are mandatory.</p> <p>If any of these fields are missing or if any constraint is not satisfied then must show a message.</p> <p>10. Form control names should be case sensitive and they should be like as follows:</p> <p>name</p> <p>username</p> <p>email</p> <p>password</p> <p>profilePicture</p> <p>bio</p> <p>location</p> <p>dateOfBirth</p> <p>gender</p> <p>interests</p>

#### 4. EXECUTION STEPS TO FOLLOW FOR FRONTEND

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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 is a web-based application, to run the application on a browser, use the internal browser in the environment.
4. 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
5. 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.