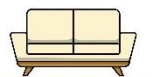

ROOMIT

Requirements Document

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ROOMIT
Your ideal roommate awaits

FUNCTIONAL REQUIREMENTS

1. Registration -

- 1.1. Users can register with valid profile information. Successful registration results in a successful registration.
- 1.2. Users cannot register with an existing username. Unsuccessful registration results in an error message indicating "Username already exists."
- 1.3. Users cannot register with an invalid username. Unsuccessful registration results in an error message indicating "Invalid username."
- 1.4. Users cannot register with the same email as an existing user. Unsuccessful registration results in an error message indicating "Registration failed - email in use."
- 1.5. Users cannot register with a common password. Unsuccessful registration results in an error message indicating "Common password used."
- 1.6. Users cannot register with a short password. Unsuccessful registration results in an error message indicating "Password too short."
- 1.7. Users cannot register with an entirely numeric password. Unsuccessful registration results in an error message indicating "Numeric password used."
- 1.8. Users cannot register with a password similar to their username. Unsuccessful registration results in an error message indicating "Password similar to username."
- 1.9. Users cannot register with non-matching passwords. Unsuccessful registration results in an error message indicating "Passwords don't match."

2. Login -

- 2.1. Users can log in with correct credentials. Successful login results in a successful login.
- 2.2. Users cannot log in with the wrong password. Unsuccessful login results in an error message indicating "Login failed."
- 2.3. Users cannot log in with the wrong username. Unsuccessful login results in an error message indicating "Login failed."
- 2.4. Users cannot log in with a non-existent username. Unsuccessful login results in an error message indicating "Login failed."
- 2.5. Users cannot log in when already logged in. Unsuccessful login results in an error message indicating "Already logged in."

3. Logout -

- 3.1. Users can log out when logged in. Successful logout results in a successful logout.
- 3.2. Users cannot log out when not logged in. Unsuccessful logout results in a message indicating that the user is already logged out.

4. Like/Unlike user -

- 4.1. Users can like other users from the profile page. Successful like results in a successful like action.
- 4.2. Users can unlike other users from the profile page. Successful unlike results in a successful unlike action.
- 4.3. Logged in users can check who liked them. Successful access results in redirection to the roommate who liked me page.
- 4.4. Logged in users can check who they liked. Successful access results in redirection to the roommate who I liked page.
- 4.5. Users can check who liked them. Failed access results in redirection to the login page.
- 4.6. Users can check who they liked. Failed access results in redirection to the login page.

5. Requirements, Profile information & Property offers -

- 5.1. Users can not see the property requirements display when not logged in. Failed access results in redirection to the login page.
- 5.2. Users can not check the roommate requirements display when not logged in. Failed access results in redirection to the login page.
- 5.3. Users can not check the property offer display when not logged in. Failed access results in redirection to the login page.
- 5.4. Users can not check the profile information display offline. Failed access results in redirection to the login page.
- 5.5. Users can see the property requirements display when logged in. Successful access results in redirection to the property requirements page.
- 5.6. Users can check the roommate requirements display when logged in. Successful access results in redirection to the roommate requirements page.
- 5.7. Users can check the property offer display when logged in. Successful access results in redirection to the property offer page.
- 5.8. Users can check the profile information display when logged in. Successful access results in redirection to the profile information page.
- 5.9. Users can successfully change their requirements by logging in and updating the property and roommate requirements.
- 5.10. Users can successfully change their profile information by logging in and updating the property and roommate requirements.
- 5.11. Users can successfully change their property offers by logging in and updating the property and roommate requirements.

6. Recommendation System -

- 6.1. Similar users:

- 6.1.1. A user will see recommendations based on likes performed by the other similar users from the recommendation system. Successful interaction results in one user seeing the other's liked users.
- 6.1.2. A user will not see recommendations based on unlikes performed by the other similar users from the recommendation system. Successful interaction results in one user not seeing the other's unliked users.
- 6.2. Unsimilar users:
 - 6.2.1. A user will not see recommendations based on other users unsimilar to him from the recommendation system. Successful interaction results in one user not seeing the other's liked users.

NON-FUNCTIONAL REQUIREMENTS

Implementation Constrains

- **Privacy-**
A user's requirements, profile information and property offers aren't visible for unconnected users.
- **Security-**
The system will secure all data and activity.
- **User experience-**
 - Reaction time- quantitative measures of response time are context dependent, and they must be maintained while the system is overloaded.
 - Help- errors indicating common made mistakes will be available (such as invalid information).
 - User interface – an easy-to-use user interface, each user will view the relevant options for his status.