FIND MY ROOMIE

Live together, Thrive together: Find your Ideal Roommate Today!

ABOUT

This is a one-stop solution to your roommate finding needs! Our goal is connecting spaces and creating friendships. FindMyRoomie is a platform that allows users to effortlessly sign up and create a bio to share information about themselves with potential roommates, including their preferences. Users can apply filters to find candidates that match their criteria, receive suggestions that align closely with their preferences. and once a user likes a profile, the job is done—it's that simple!

WHAT MAKES THE CURRENT FIND MY ROOMIE SPECIAL ?

- **User Count Displayed:** Gauge the number of potential roommates and view the count of expanding community during sign-up. This will involve a real-time database query to aggregate user data from our backend (using technologies like Django or a SQL database).
- **User Authentication:** Encourages to create a strong password and requires an email confirmation to protect access to only legitimate users. Password security will be enforced using hashing algorithms to store passwords safely in the database. The email confirmation process will utilize a third-party service to send confirmation links, and we'll implement a token-based validation system to confirm user emails securely.
- **Visibility Control:** Share your story and preferences with potential roommates but you can toggle the visibility while searching for one and after you have found a match. This will require a user interface (UI) element that allows users to set visibility preferences.
- **Wolf Filter:** Refines your search based on your criteria and preference. This will involve creating a robust filtering system on the front end using JavaScript frameworks to ensure a smooth user experience.
- **Match Recommendation Element:** Get suggestions tailored to you. Similarity scores help you find the best fits based on preferences. A machine learning model could be employed to analyze user data and generate similarity scores based on factors like lifestyle preferences, hobbies, and cleanliness standards.

FUTURE SCOPE

- **Provide two-factor authentication:** Ensure authenticity with social media verifications (LinkedIn,Instagram) along with email.
- **Customized Filters:** Tailor your search with filters for study habits, dietary and social preferences, activities, pets, and more!
- **Personalised Location Preference:** Add the option to choose ideal distance from their work or study destination. Also a filter for crime-free areas and/or other location criteria.
- **Streamlined Lease Signing:** Integrate making lease signing process seamless once a roommate is found by accessing listings from seniors, previous tenants, and property managers. Can also get current lease rates, occupancy and other details.
- **Virtual Meet & Greet:** Create a feature that enables users to engage in video chats or schedule meetings to get to know each other better.

ROADMAP FOR MILESTONE IMPLENETATION

Implement OAuth for LinkedIn and Instagram verification → Use JavaScript for front-end filters and back-end querying for efficient data retrieval

Integrate a mapping API (like Google Maps) to allow users to specify distances from work or study locations.

Build a module for accessing listings, integrating with property managers and previous tenants.

Create a dashboard for current lease rates, occupancy status, and other relevant information.

Implement video chat functionality using WebRTC or integrate with a third-party service like Zoom.

GitHub Link
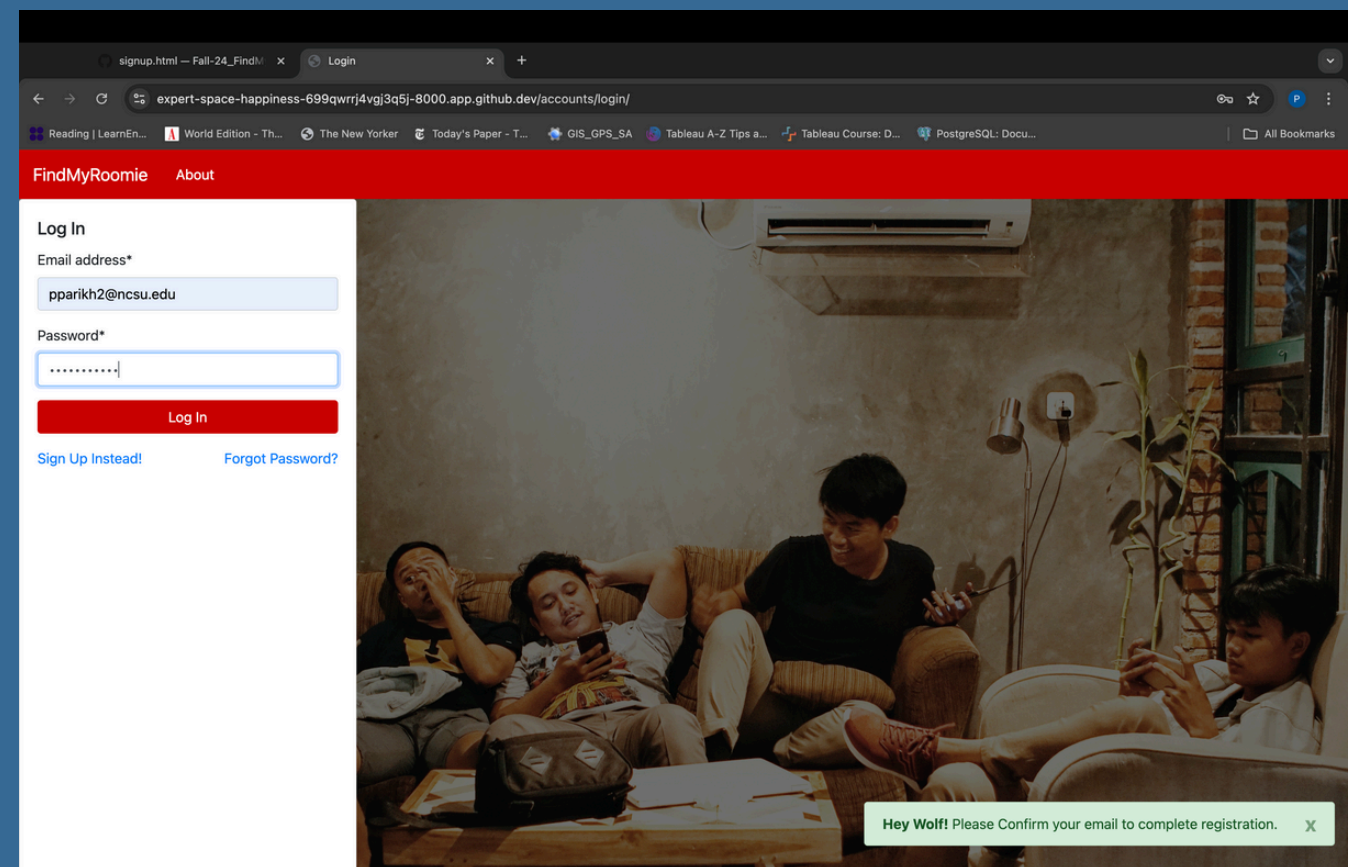
Tools and Technologies Used:

This project passes the runs for 15 test-cases spread across 4 test files !
The test codes validate the URLs of the web application, creates a user object and checks if the values are correctly stored in the attributes, checks the success of the HTTP request & validates the Email ID.

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