NESTHUB - SWIPE FOR YOUR NEXT ROOMMATE!

HACKSTREET BOYS

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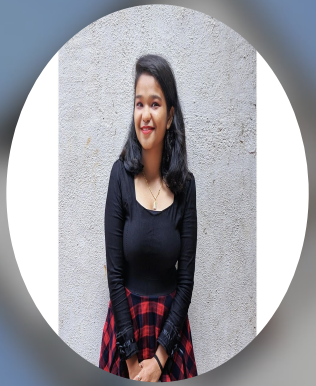

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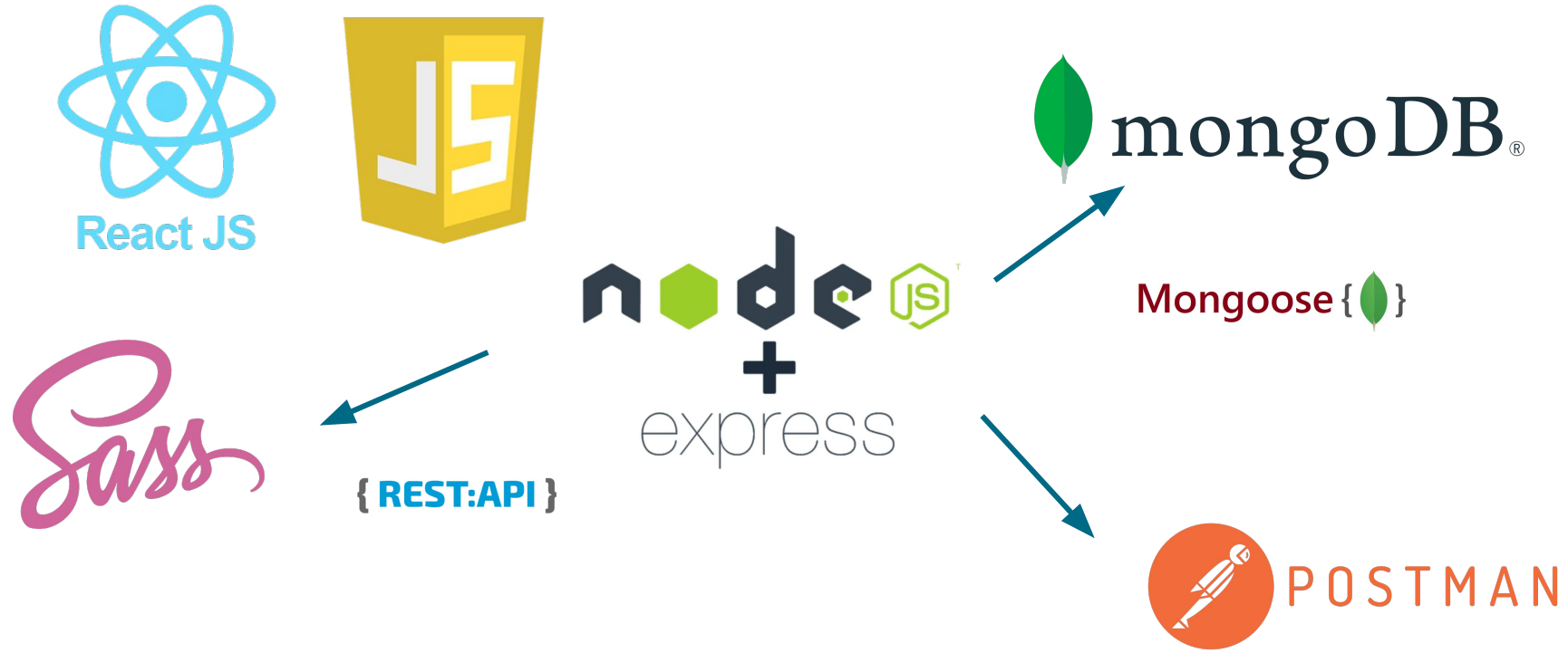
Tech Stack Used



BcryptJs, React-Cookies, React-Tinder Cards, Fetch API, React-Phone-Input

Motivation

- One of the biggest challenges that were faced by all incoming students was finding appropriate accommodation for pursuing their master's in the USA
- It was the first time visiting Boston for most of us. Hence, all we could do was rely on word of mouth, pictures, and social media groups while looking for housing
- All students are acquainted with the chunky Whatsapp messages advertising accommodation by people looking for roommates for incoming semesters, and we decided to mitigate this problem by building an application that offers peer-to-peer housing opportunities
- This application brings the 'room poster' and 'room finder' on the same platform where each can swipe through potential options and match with potential options
- Once matched, they can chat and get to know each other and decide if they are a good fit, thus ensuring that both the 'finder' and 'poster' have found ideal matches!

Contributions

Varun Shetty

- Registration and Signup backend models
- Password hashing and profile image uploads
- Match functionality
- Swipe functionality
- Filter functionality based on preferences
- README

Zainab K

- Login backend
- Room Poster form and preview
- Create, Read, and Update Room profiles and models
- Populating room profiles in finder frontend
- Room poster user profile functionality
- Pitch development

Hinal Patel

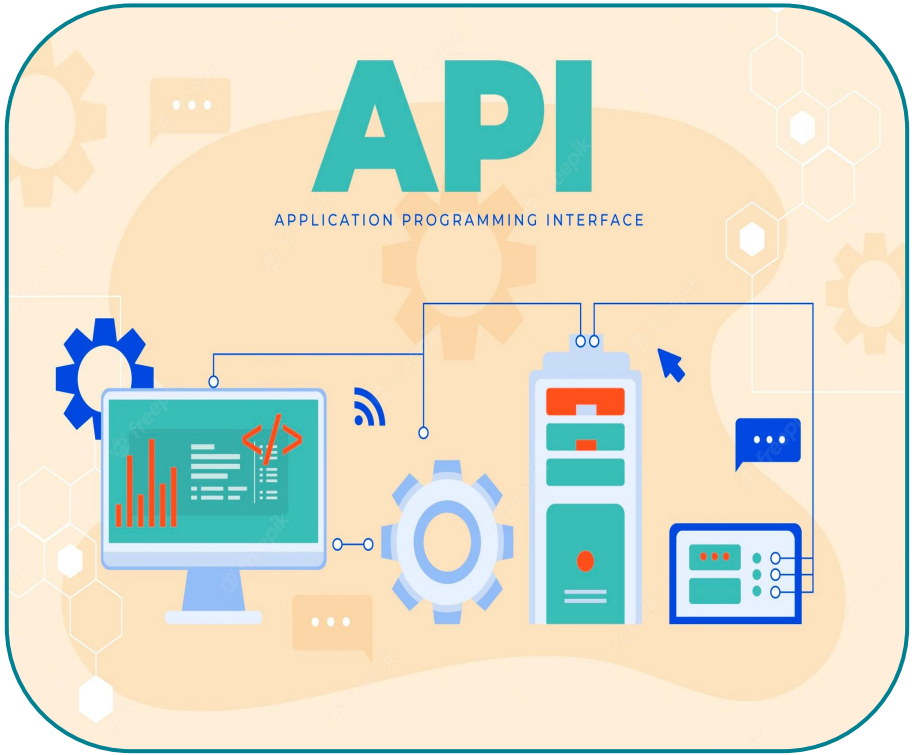
- Login and Registration form frontend
- Dashboard icon redirections
- Homepage UI enhancement
- Chat functionality and models
- Delete feature for user profile
- Code documentation

Abhishek S

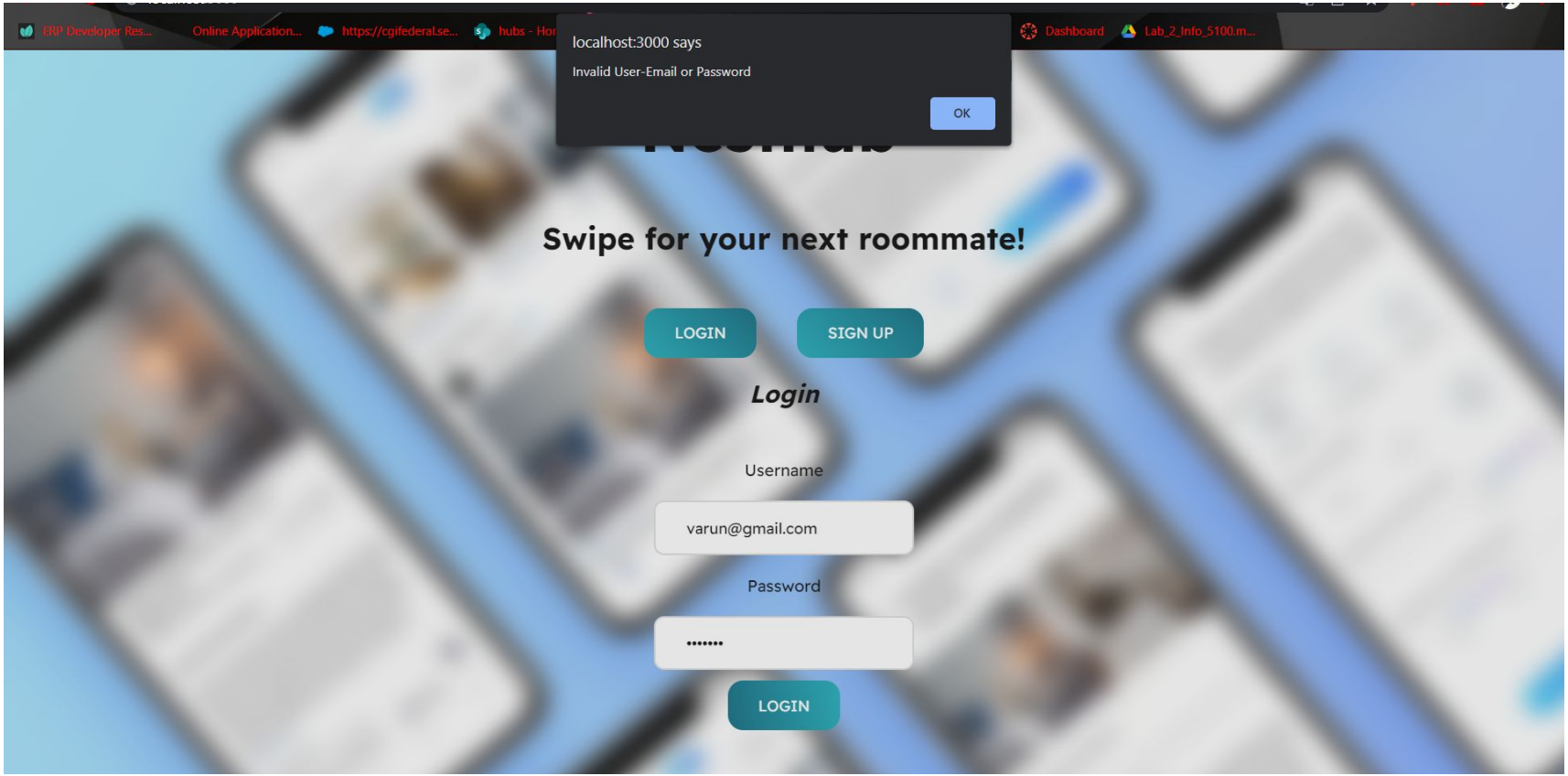
- Signup UI
- Feedback functionality
- Background styling

APIs/Libraries/Packages Used

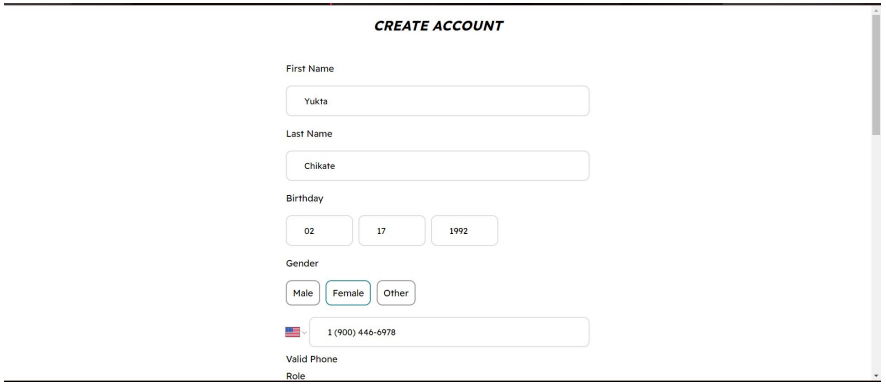
- Custom REST APIs for user registration, authentication, and login
- Custom REST APIs for retrieving users, deleting user profiles, and retrieving cards
- Customer REST APIs for room profile creation, view, and update
- JavaScript Object Schema Validation for user authentication
- Bcrypt, Phone-input, React-Tinder-Cards, FontAwesome, React-File-base64, React-Hook-Forms
- Cookies to persist data in the browser
- UUID for generating unique user ids

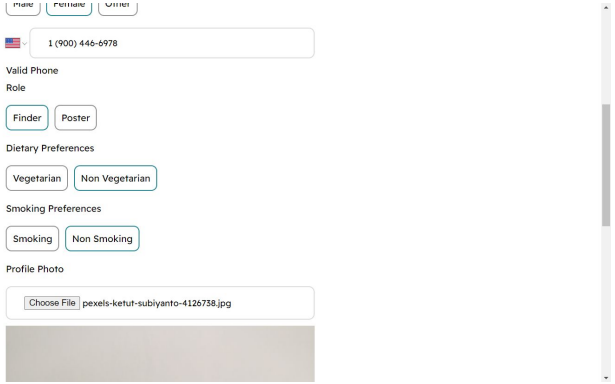


Login/SignUp Page

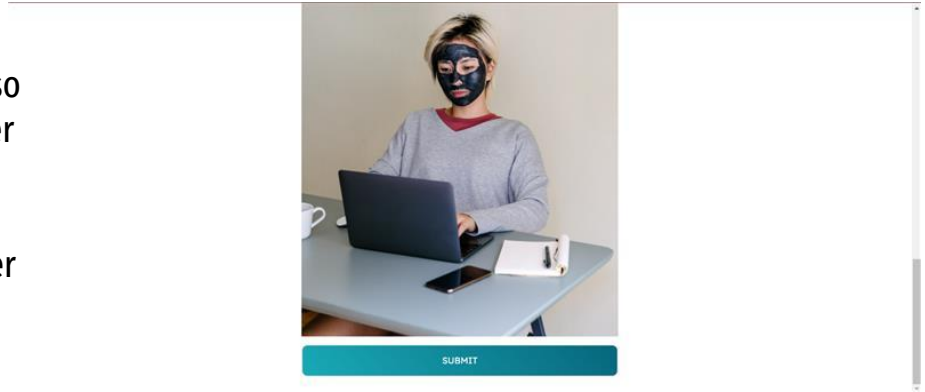


Registration Page





The registration form also helps in maintaining user preferences, which are used as filters in the dashboards for the finder and poster



Room Poster Form and Preview

When the form is filled, the preview card displays the input information. Here the poster can add various details about the house, as outlined

Room Photos

https://i.imgur.com/D9HyXVO.jpeg

Add a catchy title!

Boylston Street Apartment

Community

Boylston Street

Address

240 Boylston Street

From Date

12/08/2022

To Date

12/28/2022

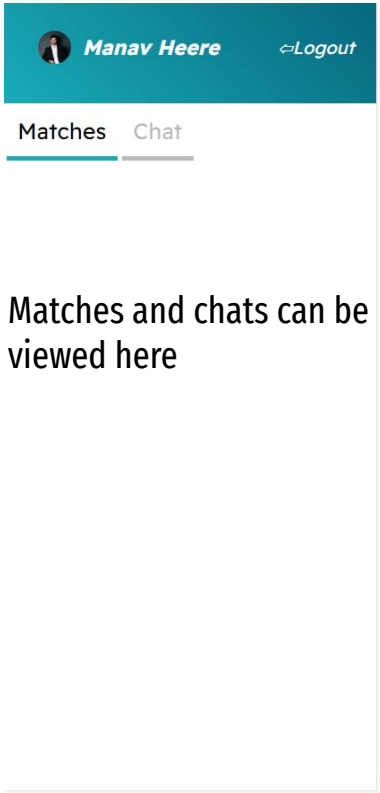
Boylston Street Apartment

COMMUNITY	BOYLSTON STREET
ADDRESS :	240 BOYLSTON STREET
AVAILABLE FROM	2022-12-08
AVAILABLE TO	2022-12-28
NUMBER OF ROOMS	2
TOTAL RENT	2600
RENT FOR SHARED ROOM	1300
RENT FOR PRIVATE ROOM	649
NEAREST T STATION	GREEN
IS IT RED EYE ACCESSIBLE?	YES
WHAT IS THE DISTANCE FROM THE UNIVERSITY?	0
NEAREST GROCERY STORES	TARGET
ADDITIONAL AMENITIES	GYM

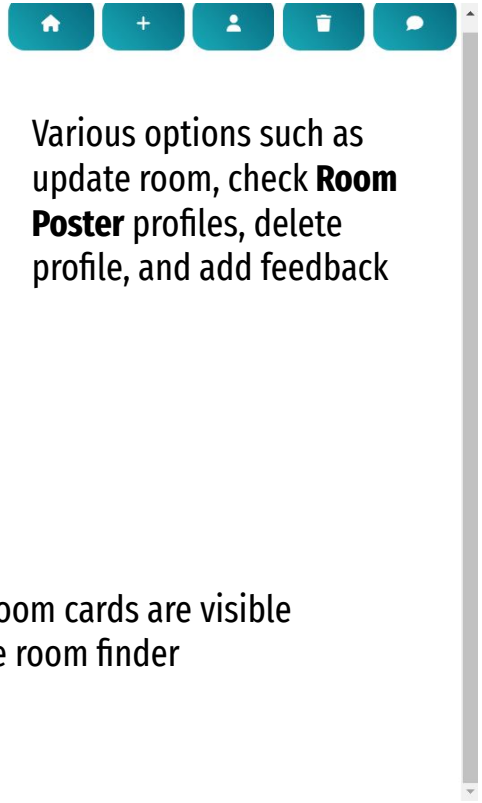
VIEW POST

UPDATE POST

Room Finder Dashboard



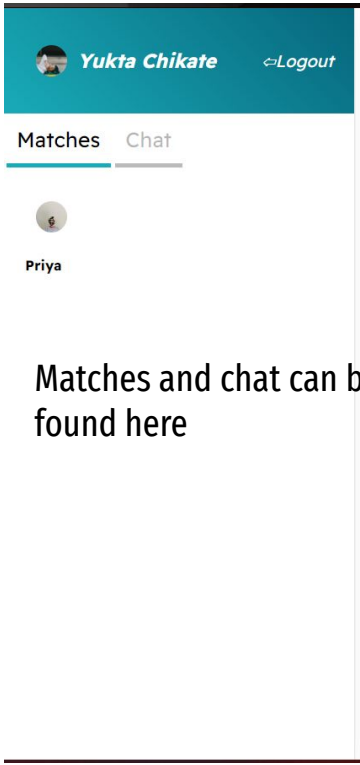
Matches and chats can be viewed here



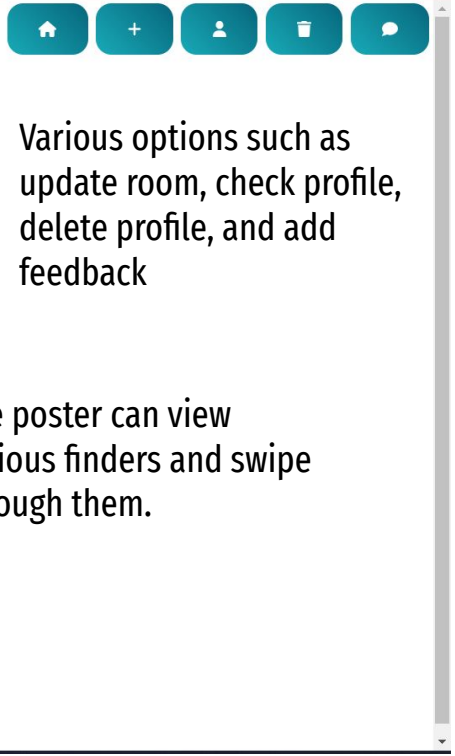
Various options such as update room, check **Room Poster** profiles, delete profile, and add feedback

The room cards are visible to the room finder

Room Poster Dashboard



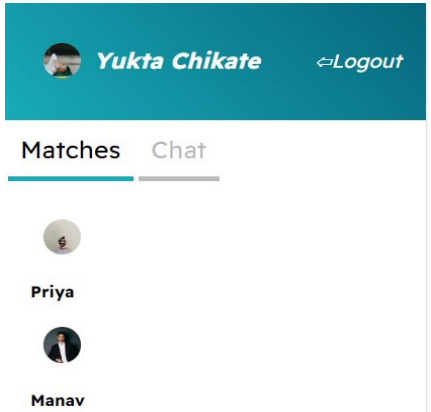
Matches and chat can be found here



Various options such as update room, check profile, delete profile, and add feedback

The poster can view various finders and swipe through them.

Match Functionality Demo



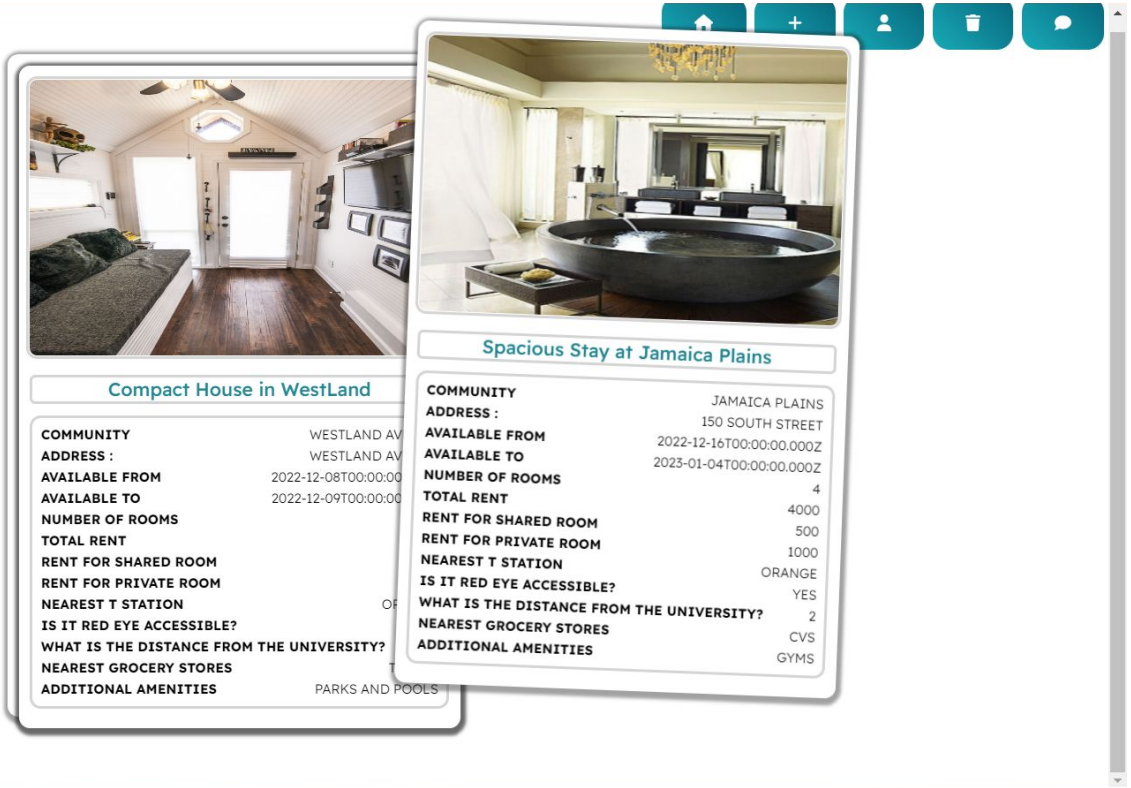
The user can view their matches and select one to chat with!

Swipe Functionality Demo

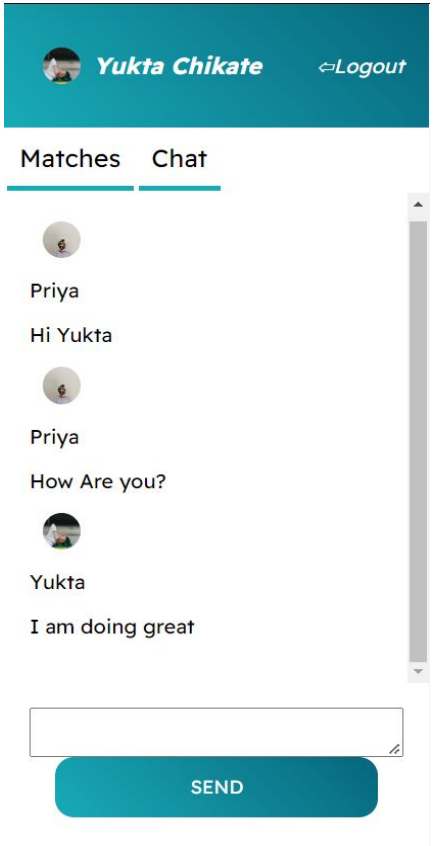
Manav Heere ⇦Logout

Matches Chat

Users can swipe right as finders and posters for a match or swipe left if they don't align with a match



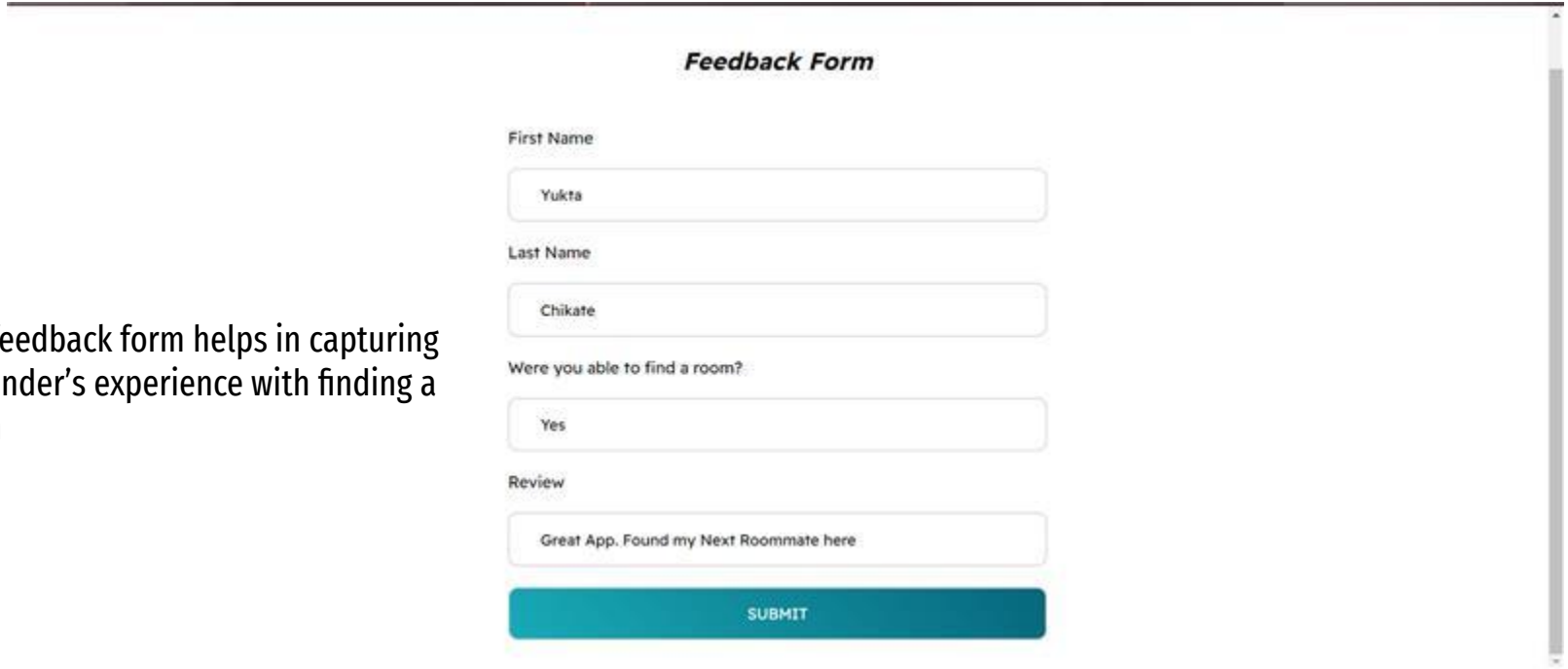
Chat Functionality Demo



The chat functionality helps the finder and poster connect and make a decision based on whether they are a perfect fit!

Feedback Form

The feedback form helps in capturing the finder's experience with finding a room



THANK YOU