

# Find a House to Rent and Rent A house

## **Purpose**

The purpose of this web application is to help to bridge people looking for houses to rent and the people who have houses to rent . Through the findhouse web interface

## **Expected Outcomes:**

### **1.Registration , verification, validation, authentication**

.The house owners can create accounts on the platform and register their houses and these houses will be listed on the web site for people to see if they can rent them.

- a. They can Do CRUD activities on the houses
- b. They can get notified once some one has interest in their house

### **2. User-Friendly Web Interface:**

It has a very user friendly interface made in react js , with bootstrap and CSS

### **4. Real-time Updates:**

There is real time update of the of house listing on the web site.

## **Phase 1 - Planning and Design (Week-1):**

1. Define project requirements and objectives.
2. Create the system architecture and design the database schema
3. Creation of a figma design
4. Set up the development environment.

## **Phase 2 - Development (Week-2):**

1. Creation of the backend api for the application
2. And adding some security features using Spring security
3. Creating a front end interface , using react js

### **Phase 3 - Testing & Deployment (Week-3):**

1. Testing the api using post man
2. The web application is deployed locally on my computer

### **Technologies:**

1. Development Framework: Spring Boot
2. Database: MySQL
3. Backend Language: JAVA
4. Front End ReactJS & Bootstrap , CSS ,JSX

### **Tools:**

1. IDE: IntelliJ IDEA Community Edition 2023 for backend development
2. Visual studio code for front end development
3. Mysql Work Bench for mysql database interaction
4. PostMan for api testing
5. Github for version control

Team

**AGANZE FELICITE -24261 => Web tech final project**