Frontend Development Report

Date	27 June 2025
Team ID	LTVIP2025TMID47699
Project Name	HouseHunt – House Rent Web Application

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Prepared by: MERN Stack Nexus

Objective

The objective of this report is to document the frontend development progress and key aspects of the user interface implementation for the House Rent Web Application project.

Technologies Used

- **Frontend Framework:** React.js

- **State Management:** Context API

- **UI Framework/Libraries:** Bootstrap, Html, CSS, JavaScript

- **API Libraries:** Axios

Project Structure

Home Page:

The homepage of this real estate website features a large banner image with text overlay. The text reads "Welcome to House Hunt" in large font.

Search bar: The first menu labelled "Type" allows users to filter properties by type (e.g., apartment, condo, house). The second dropdown menu labelled "Location" allows user to filter option by location or area. The third dropdown menu labelled "Subscription" is a feature that gives users to purchase a subscription model based on their convince.
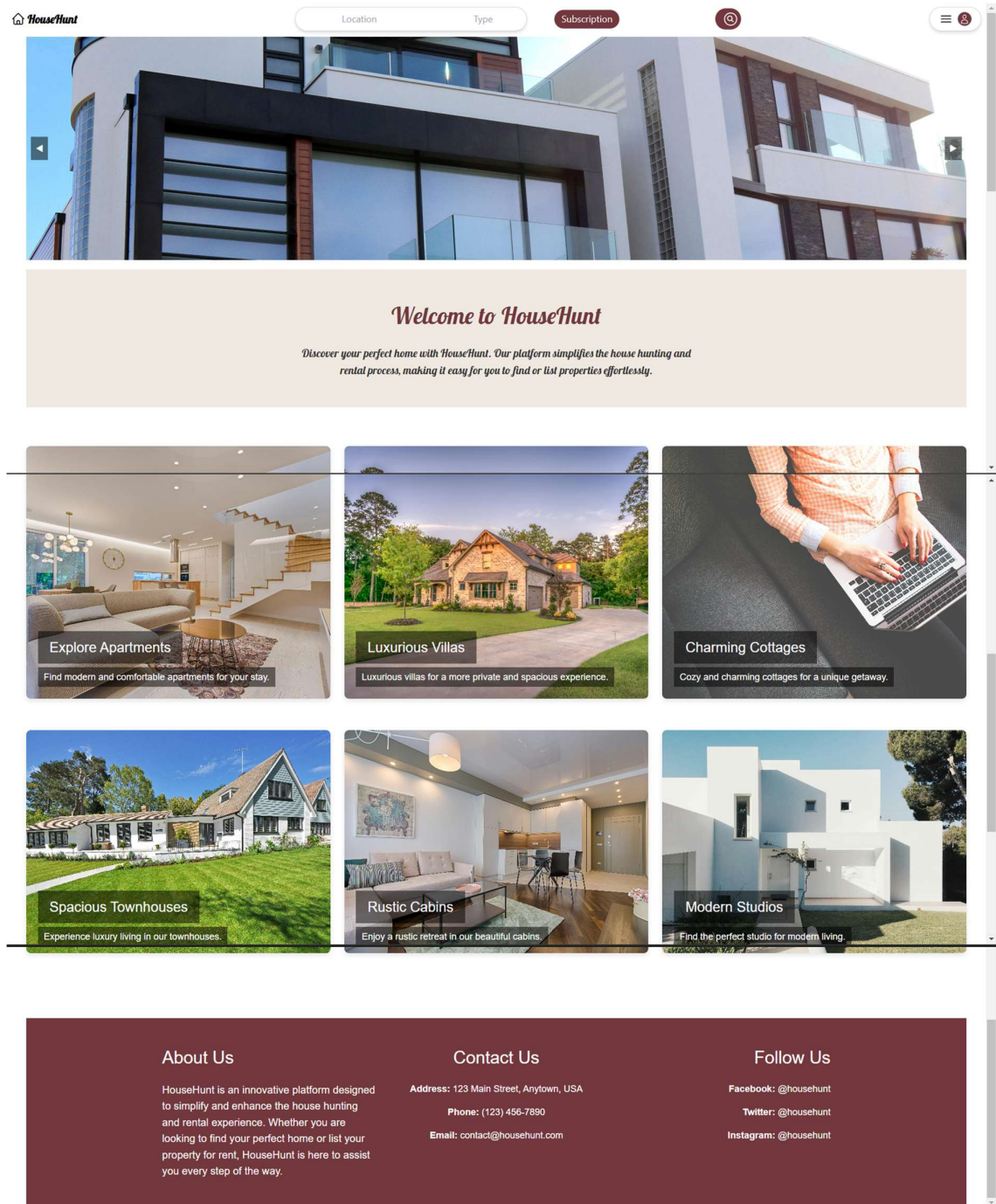
Below the banner is a section with six property types. Each property type has a corresponding image and text label. The property types are:

- Apartments

- Luxurious Villas

- Charming Cottages

- Spacious Townhouses

- Rustic Cabins

- Modern Studios

There is also a navigation bar at the end of the page. The navigation bar contains links to the following pages:
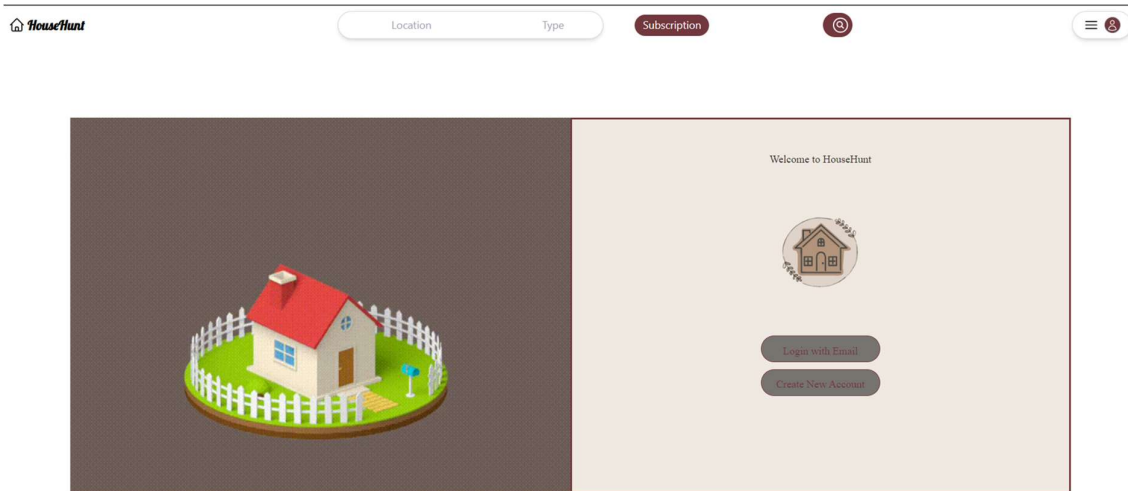
- About Us

- Contact Us
- Follow Us

HouseHunt

Location | Type | Subscription

Welcome to HouseHunt

Discover your perfect home with HouseHunt. Our platform simplifies the house hunting and rental process, making it easy for you to find or list properties effortlessly.

Explore Apartments
Find modern and comfortable apartments for your stay.

Luxurious Villas
Luxurious villas for a more private and spacious experience.

Charming Cottages
Cozy and charming cottages for a unique getaway.

Spacious Townhouses
Experience luxury living in our townhouses.

Rustic Cabins
Enjoy a rustic retreat in our beautiful cabins.

Modern Studios
Find the perfect studio for modern living.

About Us

HouseHunt is an innovative platform designed to simplify and enhance the house hunting and rental experience. Whether you are looking to find your perfect home or list your property for rent, HouseHunt is here to assist you every step of the way.

Contact Us

Address: 123 Main Street, Anytown, USA

Phone: (123) 456-7890

Email: contact@househunt.com

Follow Us

Facebook: @househunt

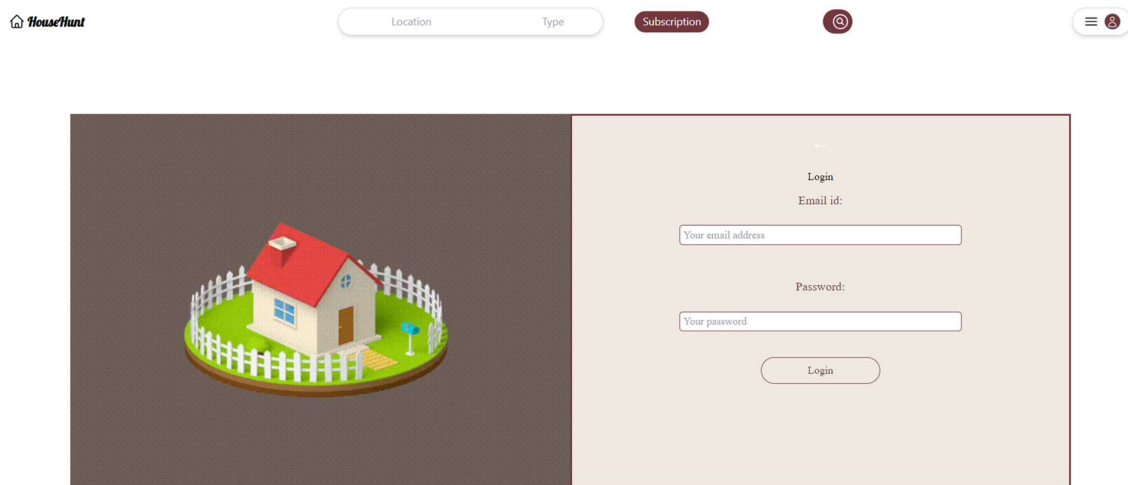**Twitter:** @househunt

Instagram: @househunt

Login/Sign in Page

Upon clicking the login button located in the top right corner, the user is redirected to the login page. On this page, the user is presented with two options:
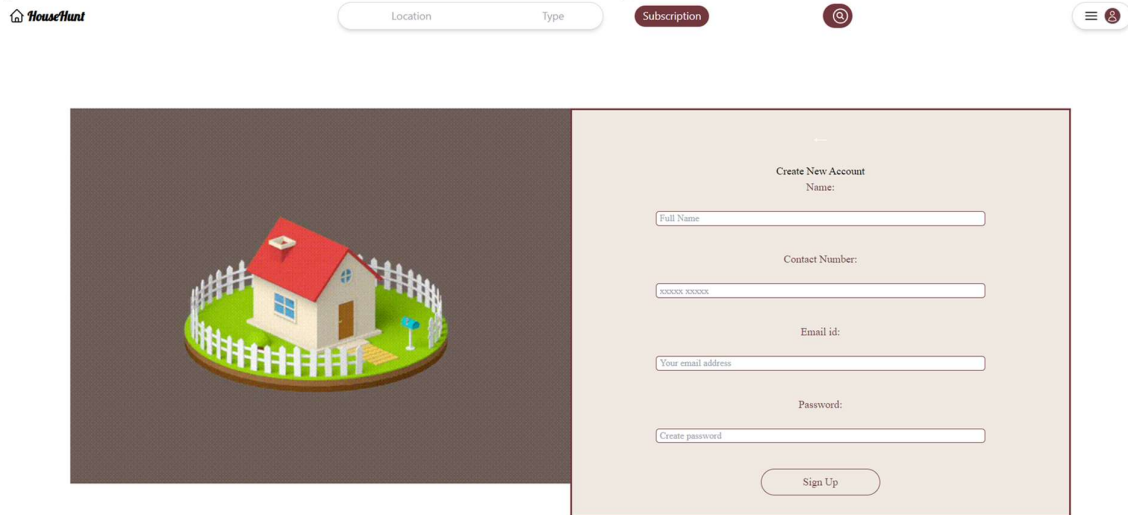
1. Login with Email:For users who already have an existing account.

2. Create New Account: For new users who wish to register for the application.

If the user selects "Login with Email," they are directed to a page where they must enter their correct email address and password to access their account.

If the user selects the "Create New Account" option, they are directed to a page where they must provide their name, contact number, email address, and password to create a new account.

Create New Account
Name:
[Full Name]

Contact Number:
[xxxxx xxxxx]

Email id:
[Your email address]
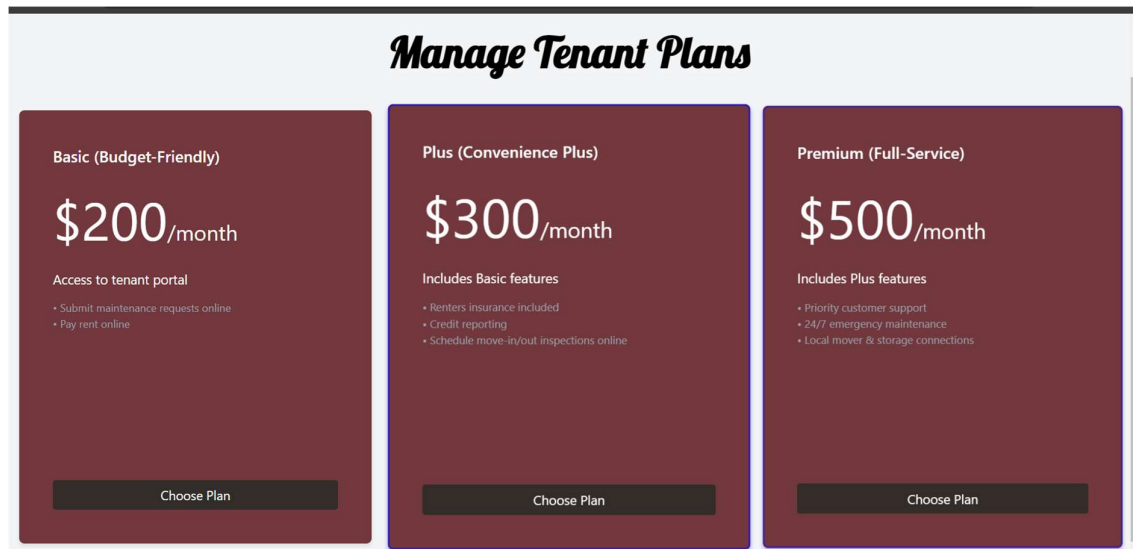
Password:
[Create password]

(Sign Up)

Subscription Page:

There are three different subscription plans offered: Basic (Budget-Friendly), Plus (Convenience Plus), and Premium (Full-Service). The plans are priced at $200/month, $300/month, and $500/month respectively.

Here is a breakdown of the features offered by each plan:

- **Basic (Budget-Friendly)**
    - Access to tenant portal
    - Submit maintenance requests online
    - Pay rent online
- **Plus (Convenience Plus)**
    - Includes all features of Basic plan
    - Renters insurance included
    - Credit reporting
    - Schedule move-in/out inspections online
- **Premium (Full-Service)**
    - Includes all features of Plus plan
    - Priority customer support
    - 24/7 emergency maintenance
    - Local mover & storage connections

Each plan has a "Choose Plan" button below it.

Manage Tenant Plans

Basic (Budget-Friendly)

$200/month

Access to tenant portal

• Submit maintenance requests online
• Pay rent online

Choose Plan

Plus (Convenience Plus)

$300/month

Includes Basic features

• Renters insurance included
• Credit reporting
• Schedule move-in/out inspections online

Choose Plan

Premium (Full-Service)

$500/month

Includes Plus features

• Priority customer support
• 24/7 emergency maintenance
• Local mover & storage connections

Choose Plan

Post Your Property

This webpage allows users to submit a new property listing. Here are the details of the form:

- **Contact Information:**
    - Name
    - Email
    - Mobile Number
    - Aadhaar Number (likely a unique identification number in India)
- **Property Details:**
    - Title: Enter a title for your property listing.
    - Description: Describe your property in detail.
    - Price: Enter the asking price for your property.
    - Location: Enter the location of your property.
- **Images:** Upload multiple images to showcase your property.
- **Submit:** Once you have filled out all of the fields and uploaded your images, click the "Submit" button to submit your property listing.

Key Components

1. **App.js**
   - Responsible for routing and main application layout.

2. **/components**
   - Contains reusable UI components used across the application.The different files used are

   - # Carousel.css

   - #HomePage.css

     - Along with that App.css is also used

3. **/pages**
   - Includes different pages for Web App. The different files in the pages folder are

   - arrow.jpg

   - arrow.png

   - # Carousel.jsx

   - Header.jsx

   - home.gif

   - home.mp4

   - homel.jpeg

   - # Homepage.jsx

- house2.gif

- imagel .jpg

- image2.jpg

- # LoadingAnimation.css

- # LoadingAnimation.jsx

- # LoginPage.jsx

- logo-removebg-preview.p...

- # PropertyForm.jsx

- # PropertyFormPage.jsx

- # SubscriptionPage.jsx

Routing

Routing is managed using React Router. Here are the main routes:

- **/Homepage** – The main homepage of the website
- **/subscription –** The subscription model page
- **/PropertyForm-** Post your property form
- **/login** – Login / Sign In page

Integration with Backend

The frontend communicates with the backend APIs hosted on [backend URL]. Key endpoints include:

- **USE /api/users** – Sign In page -Input for new user data
- **USE /api/auth** – Login page – checks for correct details
- **USE /api/properties** – Post your property page – allows user to enter the details of the property

User Interface (UI) Design

- The UI design follows a user-centric approach, emphasizing ease of navigation, accessibility, and a clean, modern aesthetic.

Implemented using Bootstrap for responsive design, with additional customization using CSS and JavaScript for interactive elements.