

Introduction

1.1 Project Overview

The House Rent App is a smart, user-friendly mobile and web platform designed to simplify the search for rental properties, including apartments, houses, shared accommodations, and even parking spaces. By bringing together an extensive database of verified property listings, the app helps users quickly find housing that matches their needs, whether for short-term stays or long-term rentals. Each listing provides detailed descriptions, high-quality images, pricing, location maps, discount offers, and essential owner contact details. The app enhances the experience with real-time updates, transparent user reviews, and personalized recommendations based on individual preferences and search behavior. With an intuitive and responsive interface for both desktop and mobile users, the House Rent App aims to remove the usual hassles of property hunting, making the process faster, clearer, and more reliable.

Key features of the platform include:

- **User Authentication:** Secure login and signup with JWT token authorization.
- **QR-Based Login:** Fast and easy login using QR code scanning on mobile devices.
- **Smart Property Search:** Advanced search by keyword, location, property type (rent, sell, parking, furnished), price range, and parking availability.
- **Verified Property Listings:** Only authenticated and trustworthy property details are displayed.
- **Detailed Property Information:** Listings include descriptions, images, discounts, and direct owner contact details.
- **User-Generated Listings:** Users can list their own properties for rent or sale through their accounts.
- **Personalized Recommendations:** Suggestions tailored to user preferences and search history.
- **Interactive UI:** Clean, responsive design optimized for both desktop and mobile platforms.

1.2 Purpose

The purpose of this project is to develop a smart and user-friendly digital platform that simplifies the process of searching for rental accommodations. By consolidating verified property listings and offering features like advanced filtering, personalized recommendations, the platform aims to help users efficiently find housing that fits their unique needs—whether for short-term visits or long-term stays. The goal is to minimize the confusion, delays, and uncertainties typically faced during property hunting by providing real-time updates, transparent reviews, and detailed property insights in one unified interface.