House Rent Management System

Comprehensive Project Report

Abstract

The House Rent Management System is a web-based application developed to simplify the process of searching and managing rental houses. The platform connects tenants, property owners, and administrators within a single system. Users can easily explore available houses, view property details, and make booking decisions. Property owners can add and manage listings, while administrators monitor system activities. The project focuses on usability, organized data management, and a smooth user experience.

Introduction

In many cities, finding a house for rent requires visiting multiple locations or depending on brokers. This system digitizes the entire process by providing an online platform where properties can be listed and explored easily. Users can access house information from anywhere and owners can promote their properties effectively. The application demonstrates modern web development practices including frontend frameworks, backend APIs, and database integration.

Modules

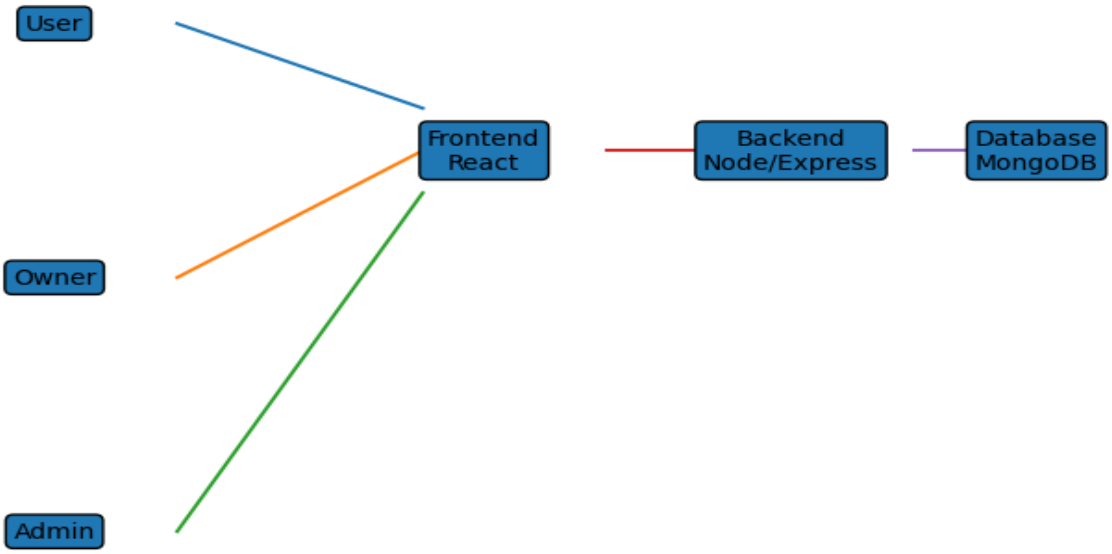
The system consists of three main modules that manage the overall functionality. The Admin module supervises users, properties, and bookings to ensure smooth operation. The Owner module allows property owners to upload, edit, and manage their house listings. The User module allows tenants to browse properties, view details, and book houses based on their needs. Together these modules create a complete rental ecosystem.

Technology Stack

The application is built using modern full■stack technologies. The frontend is developed with React.js along with HTML, CSS, and JavaScript to create an interactive interface. The backend uses Node.js and Express.js to handle server logic and API requests. MongoDB is used as the database for storing users, property listings, and booking information. Development tools such as Git, GitHub, and VS Code were used during the project.

Conclusion

The House Rent Management System provides a practical solution for managing rental properties digitally. It reduces the effort required to search for houses and helps owners reach potential tenants quickly. The system demonstrates real■world implementation of authentication, CRUD operations, and client■server communication. This project also strengthens understanding of full■stack development and scalable application design.


User
Owner
Admin
Frontend
React
Backend
Node/Express
Database
MongoDB


Register/Logi
Browse Ho
Owner Adds Propert
Booking
Admin Monitoring