HOUSE RENT WEB APPLICATION

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Introduction:

One of society's basic components is the issue of housing rentals. In the city area, it is even more difficult for people to find adequate accommodation if they physically look for it. The owner of the land, on the other hand, would need to lease a house. Finding new tenants may be difficult if they simply display a lease sign on the building, which makes them lose money. In such a case, the online Common Platform may be of great importance. The goal of the project is to create a standard web-based online platform for renters and home owners so that both parties can profit from the system. This article describes the creation of web applications for Bangladeshi citizens that allow both landlords and tenants to register and allow tenants to find properties for rent through intelligent communication with the landlord. In this article, a standard web application for smart house rentals has been created for both tenants and home owners. This online application is incredibly effective and user-friendly. Tenants and home owners alike can register for the system with their own information. With so many features, it operates really effectively. The programme made it easier and faster to find homes while also guaranteeing that there are homes for rent in the most locations. This designed online smart house rental web application will make it very simple for tenants to discover a house to rent because it includes numerous smart characteristics. On the other hand, property owners can rent out their homes with ease. This "The Rental Zone" offers the resources for people in every location to discover a suitable living space in line with their preferences. The system's major tenants are landlords and tenants, and its primary goal was to give tenants a simple method to find the house they wanted in the neighbourhood they wanted. home owners, clients, and customers can communicate information efficiently and affordably via a website called a "house rental portal." provides a user-friendly interface, meeting consumer needs. utilises a novel technique to make managing rental properties simple.

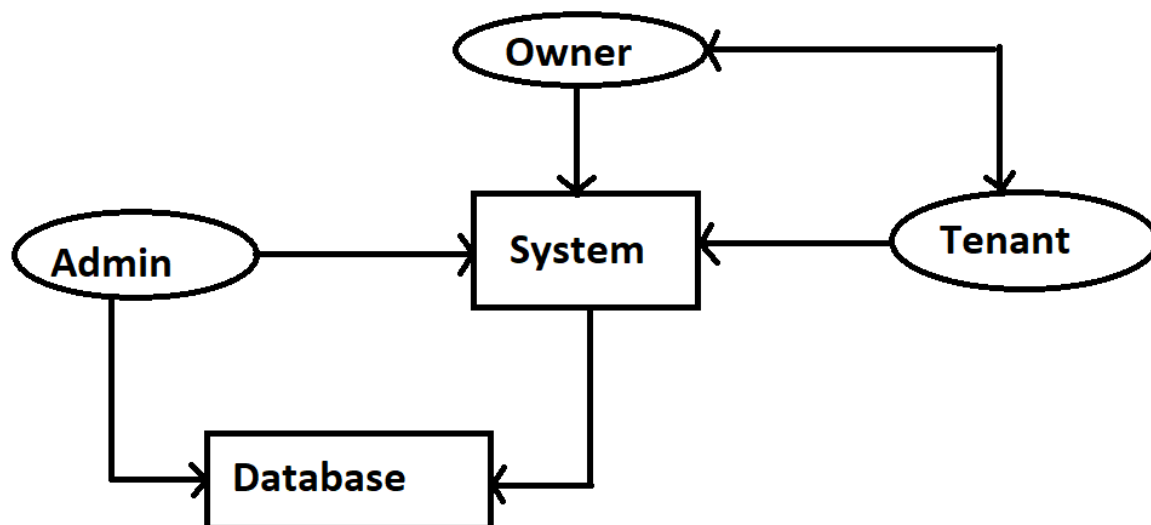## Literature Survey

<u>Existing Problem</u>

- Gommans, Henry Peter, et al. (2014) researched how rental houses are currently being managed and realized during this modern age of technology all work was done manually with plenty of paperwork involved which may be a long-time process, risky, expensive, and really difficult task. Taking into consideration those facts, they decided and developed a property rental management system that may solve all the problems experienced with this present manual system. Although their system was developed in such a way that it provides a maximum user-friendly interface, but the system isn't scalable.

- Hasnat, I., et al. (2019). Stated that nowadays this is very tough for bachelors to find their desired room for living. Because sometimes house owners feel insecure to rent a house to the bachelors. That's why the authors proposed a project named Bachelor House Rental Management System to alleviate the suffering of bachelors while they're trying to seek out an appropriate living area according to their choice. The purpose of this research was to make an easy way to find the required house with the desired location for the bachelor.

- Rathore, K., et al. (2021) Stated that finding a desired rental property and looking for tenants is a difficult task for both factions. That's why there's a necessity to develop a web rental house management system that may solve all the issues experienced with the present manual system. The focus of this scientific research is managing affordable housing. The purpose of this research is to develop an online platform for people to search out an ideal match for their liking, but the proposed system isn't well managed.

Proposed Solution

According to the above existing problem We are trying to develop the
method which will be helpful for the people to search out the boarding house
in the outside area. To make an easy way to find the required houses with
their desired location for the people or the users and developing the web-
based online platform for both the tenants and house owners so that both of
them will benefit from the system.
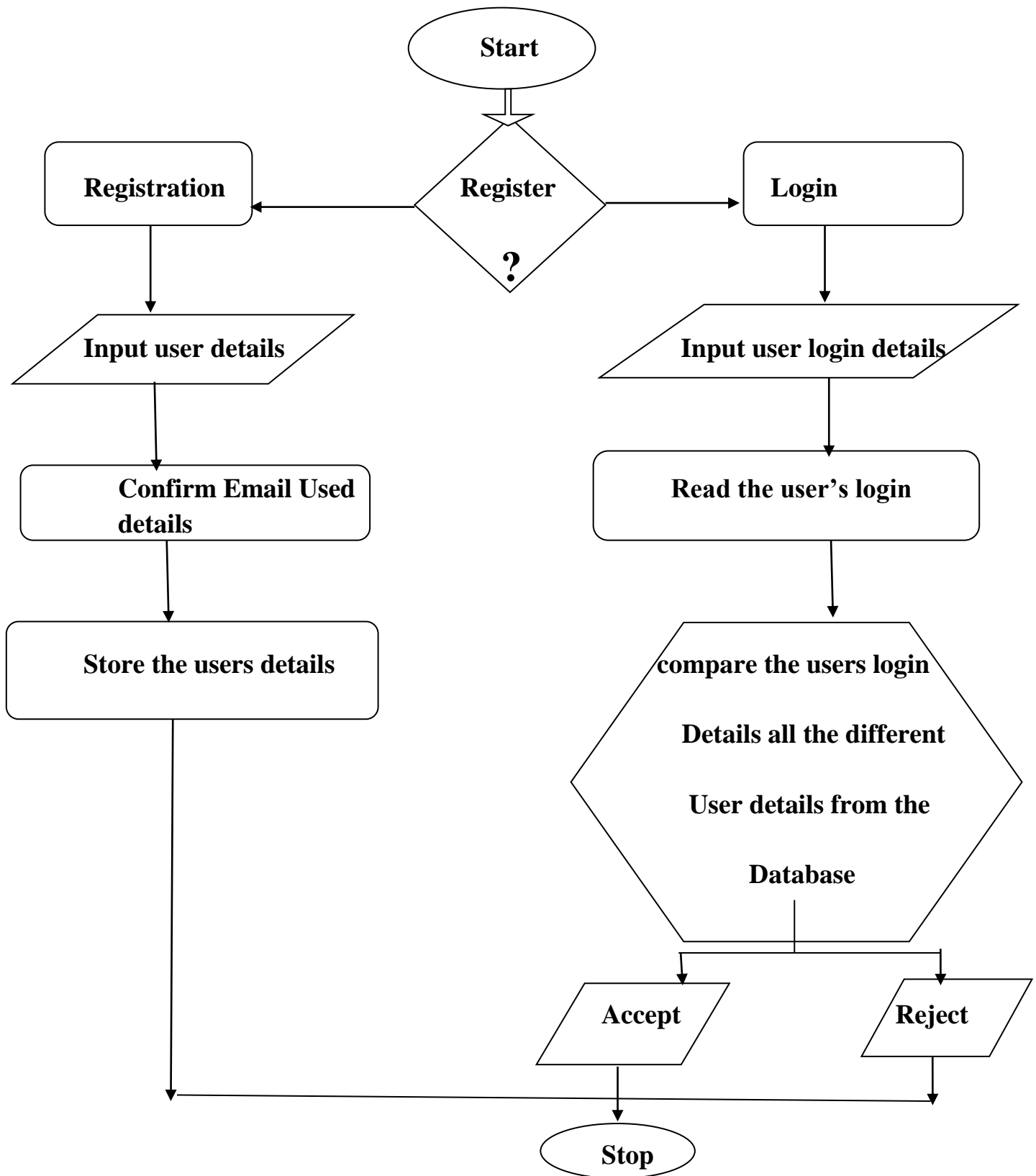
Theoretical Analysis:

Block diagram:

```
                        ┌─────────┐
                        │  Owner  │◄──────────────┐
                        └────┬────┘               │
                             │                    │
                             ▼                    ▼
   ┌─────────┐          ┌─────────┐          ┌─────────┐
   │  Admin  │─────────►│ System  │◄─────────│ Tenant  │
   └────┬────┘          └────┬────┘          └─────────┘
        │                    │
        ▼                    ▼
   ┌─────────────────────────────┐
   │  Database                   │
   └─────────────────────────────┘
```

Software requirements of the project:

➢ Visual sudio Code

➢ MySQL

Flow Chart

Start

Register ?

Registration

Login

Input user details

Input user login details

Confirm Email Used details

Read the user's login

Store the users details

compare the users login

Details all the different

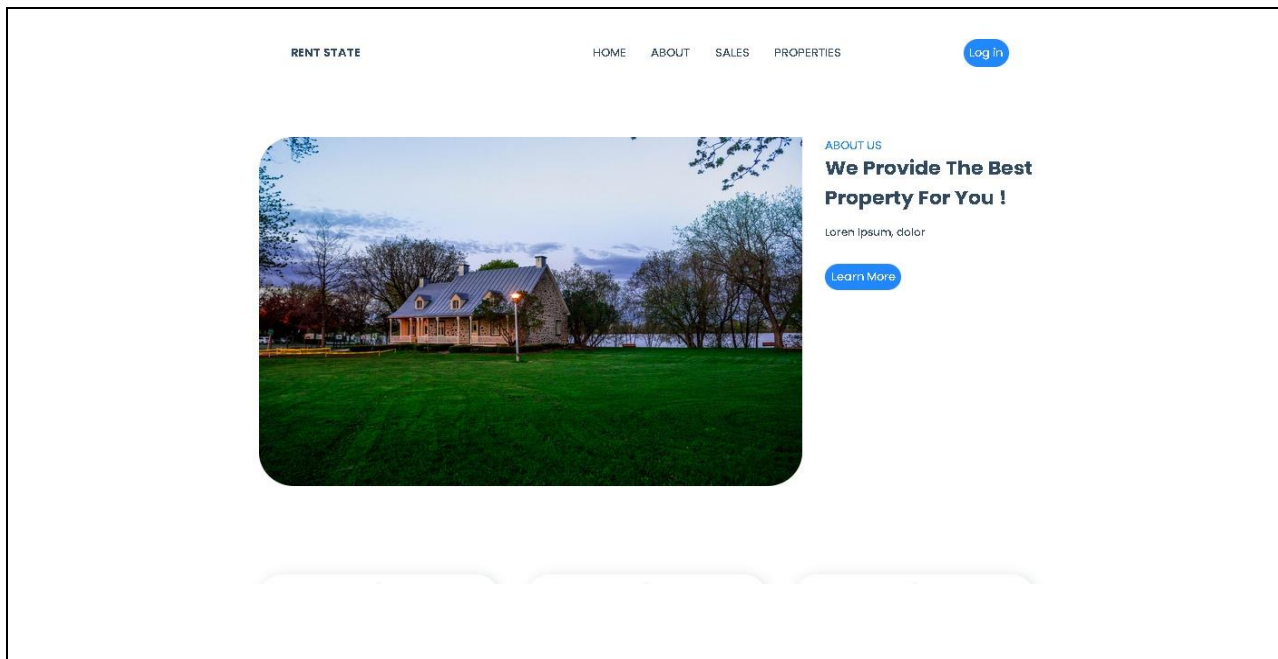User details from the

Database

Accept

Reject

Stop

Results

Frontend -Home page
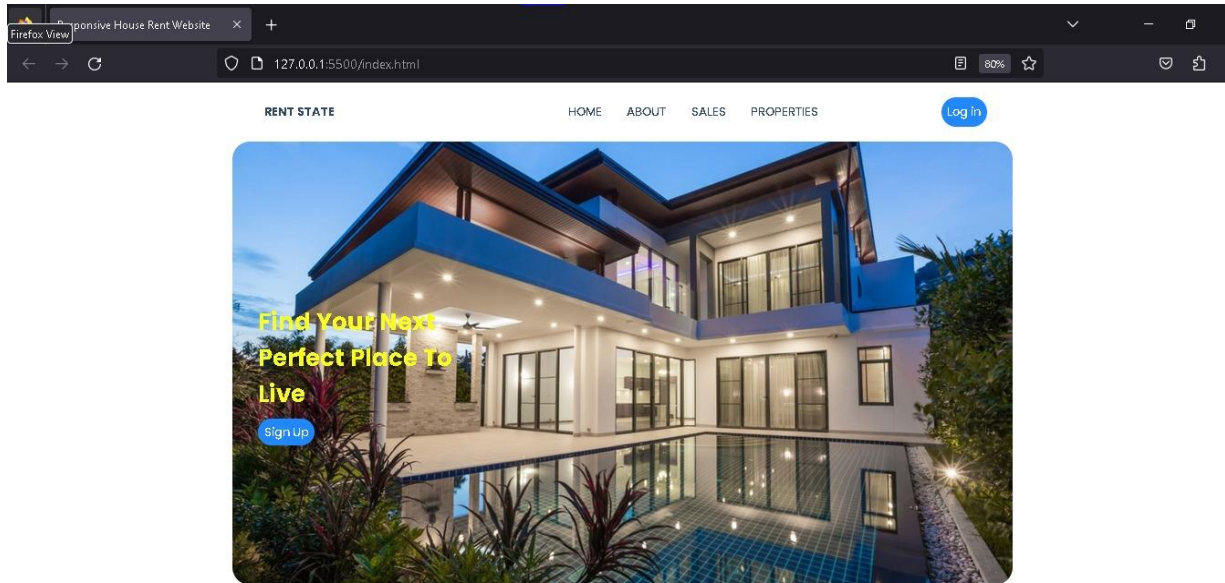
About

Make Your Dream True

Lorem ipsum dolor sit amet consectetur adipisicing elit. Veniam, unde! Reprehenderit earum, explicabo animi repellat officia asperiores quaerat corporis ex culpa nostrum id fugiat est, nemo soluta nobis, saepe corrupti.

Start Your Membership

Lorem ipsum dolor sit amet consectetur adipisicing elit. Veniam, unde! Reprehenderit earum, explicabo animi repellat officia asperiores quaerat corporis ex culpa nostrum id fugiat est, nemo soluta nobis, saepe corrupti.

Enjoy Your New Home

Lorem ipsum dolor sit amet consectetur adipisicing elit. Veniam, unde! Reprehenderit earum, explicabo animi repellat officia asperiores quaerat corporis ex culpa nostrum id fugiat est, nemo soluta nobis, saepe corrupti.

Properties

RENT STATE   HOME   ABOUT   SALES   PROPERTIES   Log in

Recent

Our featured Properties

Lorem ipsum dolor sit amet consectetur adipisicingelit.odio,labroum!

Modern House $12,0999
London ,UK
5 2

Greeny House $1,29,999
London ,UK
5 2

Tiny House $5,29,999
London,UK
5 2

Dream House $9,29,999
London,UK
5 2

Small House $8,29,999
London,UK
5 2

Geek House $8,29,999
London,UK
5 2

Login page

RENT STATE

Sign up

Login to Continue

Log in with your data that entered during your registration

Enter your email address

yourmail@gmail.com

Enter your password

password

Log in

forget password?

Sign up now

WELCOME

RENT STATE

Log In

Welcome , Let's get started

Already have account Log In

Full Name

Your Name

Enter your email address

yourmail@gmail.com
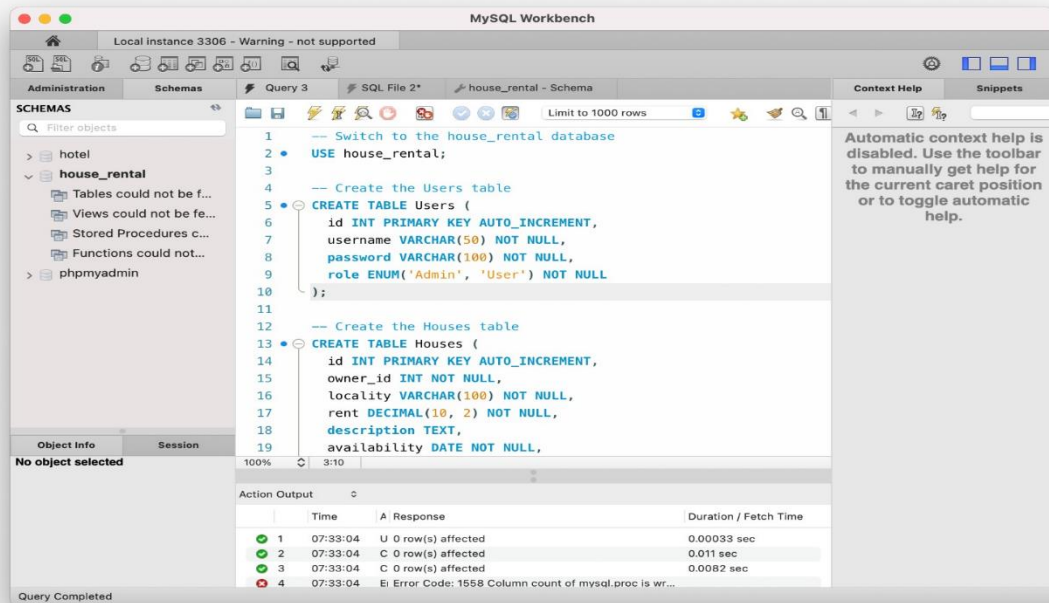
Phone

Enter your number

Enter your password
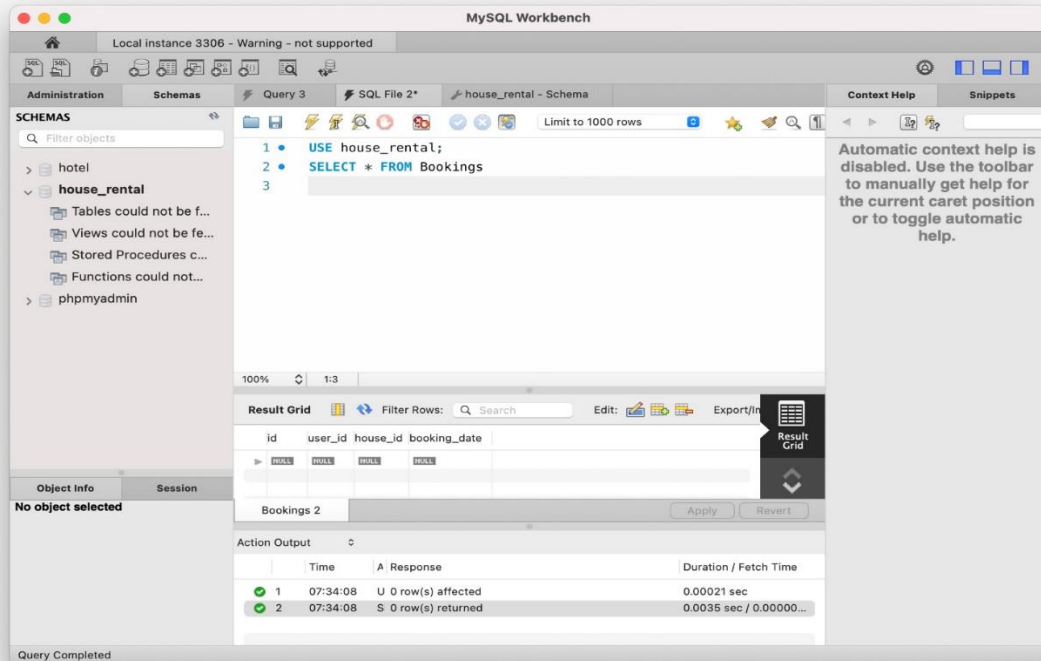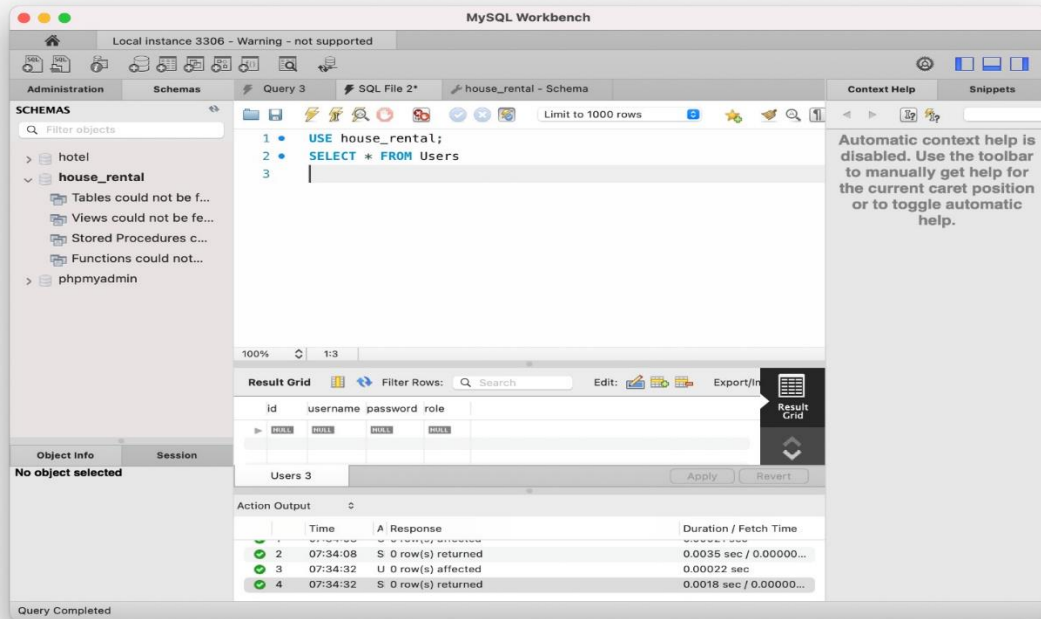
At least 8

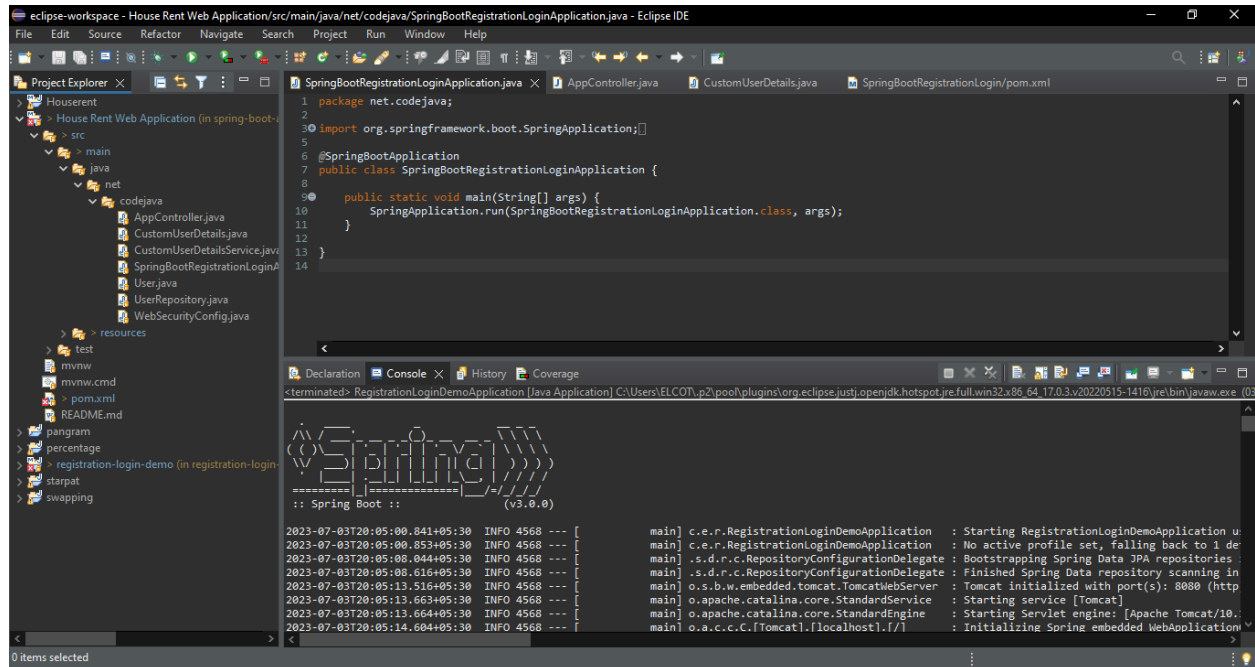Sign Up

Already have account

Log In

Backend-Databases-creation
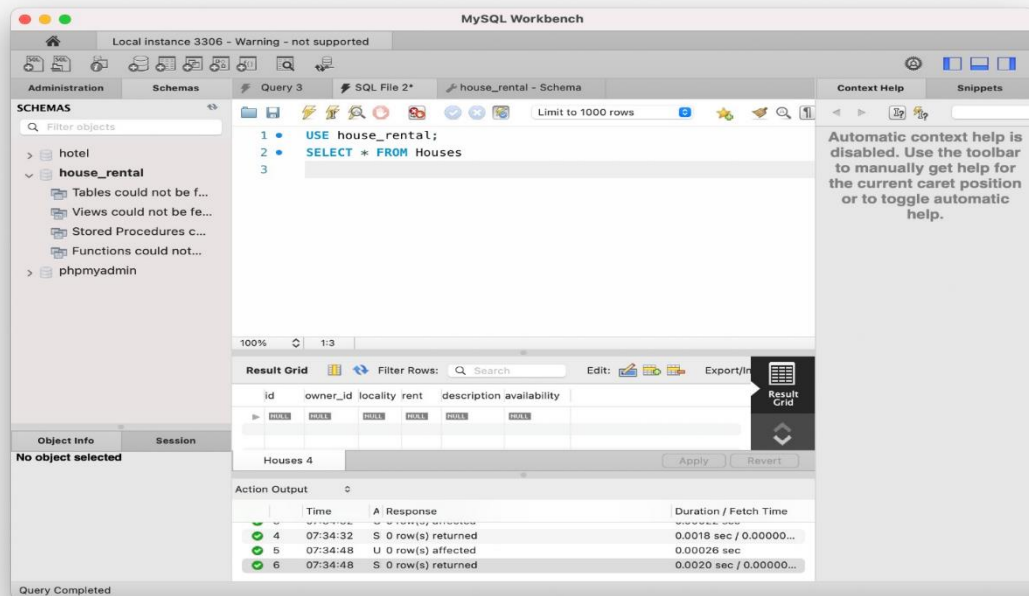
Springboot & java Application

Advantages:

- This online house rental solution is fully functional and flexible.

- It is very easy to use.

- This online House rental system helps in back office administration by streamlining and standardizing the procedures.

- It saves a lot of time, money and labour.

- Eliminate paper-based process.

- Intuitive & user-friendly.

- Customization and flexibility .

- Optimal resource allocation.

- Highly secure.

> ➤ There is an opportunity to choose house in various locations.

Disadvantages:

> ➤ Inconsistency in data entry, room for errors, miss keying information.

> ➤ Large ongoing staff training cost.

> ➤ System is dependent on good individuals.

> ➤ Reduction in sharing information and customer services & Lack of security.

> ➤ Time consuming and costly to produce reports.

> ➤ There may be a chance to loss money because of server error.

Applications:

> ➤ Manage rental properties & tenants.

> ➤ User-friendly and easy to navigate.

> ➤ Search by locality/property type.

> ➤ Book a visit to shortlisted property.

> ➤ Manage rent agreement.

Conclusion:

In this study, house rental web application has been devised. Managers may be given a framework by the system to carry out reasonable transactions in a constrained amount of time. The purpose of this method is to meet the requirements of landlords. Additionally, a number of user-friendly interfaces have been introduced. This system has an optimized secure and private data storage and verification method due to security concerns. This product will prove to be quite effective in meeting all of the consumers' needs.

Future Scope

There are lot of house rent websites who advertise their property online for rent. So idea behind developing this web application is that owner can rent their property using this. These application has large scope of growth. This web application is an online real house management through which individua agents or owner can maintain their property document keeping and managing property registration and also access its information and manage all the adding ,updating, deleting ets. The admin user can upload the information regarding property and cancellation of property or changing renter's choice. The system is very useful for owner and renters and keeps track of account details of owners and renters.

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Source Code

https://github.com/Lavanya168/Houserent-web-application.git