Project Report
on
CustomCastle
(HOUSE RENTAL MANAGEMENT SYSTEM)

Submitted to

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

SYNERGY INSTITUTE OF ENGINEERING AND TECHNOLOGY DHENKANAL
AN ISO 9001:2000 CERTIFIED INSTITUTION
[NBA ACCRETITED INSTITUTE]

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BONAFIDE CERTIFICATE

This is to certify that the project report entitled "CustomCastle(House Rental Management System)"submitted by "Subhakanta Roul(1701230053), Silka Jasmin Parida(1701230098), Ankita Moharana(1701230040), Saumya Ranjan Mallik(1821230054)" in partial fulfillment of the requirements for the award of the Degree Bachelor of Technology in "Computer Science & Engineering is a bonafide record of the work carried out under our guidance and supervision at Synergy Institute of Engineering and Technology, Dhenkanal.

Signature of Guide   **Signature of External Examiner**

Signature of HOD,
Department of CSE

SYNERGY INSTITUTE OF ENGINEERING AND TECHNOLOGY DHENKANAL

ACKNOWLEDGEMENT

We deemed it a great pleasure and opportunity to dedicate the following few lines to some persons who enabled us to complete our project.

We express our deep sense of gratitude and we are thankful to Mr. S. Abinash (HOD CSE And Project Guide) for providing the environment to present our project and for the timely help and constant encouragement to complete our project work. We would also like to thank Ms. Ipsita Panda (project in-charge) for giving us kind cooperation & inspiration to do our project work.

Last but not the least, we would like to express our sincere gratitude to all members of Department of Computer Science & Engineering for their help in various ways for the completion of this project

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INTRODUCTION

This is an online rental management portal that helps in managing various rental properties and their operations. This system will make easy to find the location of Rooms/Flats/Houses, select number of rooms and other features by the **Tenant**. This system will also make easy to update the details about the property like location, pictures, rent and facilities by **Owner**.

DESCRIPTION:

This system will play a vital role in the modern society where people have no time or patience for visiting place to place for getting a house to settle down, especially in the new and unknown locations.

People shifting to out of city or out of state facing a lot of problems in getting a house for them to live at the unknown location. So this system will help them.

OBJECTIVE:

The project objective is to develop a rental house management system:

- That allows the owners to view tenant's information before letting him occupy a house in rent.
- To allow the tenants to search, visit and view information and photographs of a house virtually before actually taking a house in rent.
- To let the owners, add, modify or remove their properties as per their choice in the database.
- To let both the owners and tenants finalize the deal and manage their properties in the login dashboard like monthly rents, other bills etc.

FEASIBILITY STUDY

Feasibility study is an important phase in the software development process. It enables the developer to have an assessment of the product being developed. It refers to the feasibility study of the product in terms of outcomes of the product, operational use and technical support required for implementing it.

It aims to objectively and rationally uncover the strengths and weaknesses of an existing business or proposed venture, opportunities and threats as presented by the environment, the resources required to carry through and ultimately the prospects for success.
Feasibility study should be performed on the basis of various criteria and parameters.
The various parameters which we have considered in this project or feasible for our project are:
- Economic Feasibility
- Operational Feasibility
- Technical Feasibility

ECONOMIC FEASIBILITY:

It refers to the benefits or outcomes we are deriving from the product as compared to the total cost we are spending for developing the product. If the benefits are more or less the same as the older system, then it is not feasible to develop the product.

OPERATIONAL FEASIBILITY:

It refers to the feasibility of the product to be operational. Some products may work very well at design and implementation but may fail in the real environment. It includes the study of additional human resource required and their technical expertise.

TECHNICAL FEASIBILITY:

It refers to whether the software that is available in the market fully supports the present application. It studies the pros and cons of using particular software for the development and its feasibility. It also studies the additional training needed to be given to the people to make the application work.

REQUIREMENT ANALYSIS AND SPECIFICATION

REQUIREMENT ANALYSIS:

It involves defining customer needs and objectives in the context of planned customer used environment.

REQUIREMENT SPECIFICATION:

Here, the focus is on specifying what has been found giving analysis such as representation, specification languages and tools and checking the specifications are addressed during this activity.

SOFTWARE REQUIREMENTS:

- Operating System   : Any Windows OS
- Language   : HTML 5, CSS 3, JavaScript, PHP 7.4
- Database software   : MySQL
- Web Browser   : Google Chrome

HARDWARE SPECIFICATION:

- Processor: Pentium 4 and above
- Ram: 512 MB
- Hard Disk: 160 GB
- Communication Channel: Internet

USER CLASSES:

The major user classes of the system are as follows:

- Customer (Registered and unregistered user)
- Owner
- Admin

SERVER-SIDE REQUIREMENT:
- Operating System   : Windows 10
- Language   : PHP 7.4
- Data Base   : MySQL 10.4
- Web browser   : Google Chrome

CLIENT-SIDE REQUIREMENTS:
- HTML 5
- CSS 3
- JavaScript ES6

SYSTEM FEATURES:

- Functional Requirements
- Non-Functional Requirements

NON-FUNCTIONAL REQUIREMENTS:

1.) PERFORMANCE REQUIREMENT:

Performance requirements concern the speed of operation of a system.

Types of performance requirements:

- Response requirements (how quickly the system reacts to a user input)
- Throughput requirements (how much the system can accomplish within a specified amount of time).
- Availability requirements (is the system available for service when requested by end-users).

2.) RELIABILITY

Reliability is the ability of a system to perform its required functions under stated conditions for a specific period of time.

Constraints on the run-time behavior of the system.

Can be considered under two separate headings:
- Availability - Is the system available for service when requested by end-users.
- Failure rate - How often does the system fail to deliver the service as expected by end-users.

3.) SECURITY

Security requirements are included in a system to ensure:

- Unauthorized access to the system and its data is not allowed.
- Ensure the integrity of the system from accidental or malicious damage.

4.) USABILITY

Usability is the ease with which a user can learn to operate, prepare inputs for, and interpret outputs of system or component.

Usability requirements include:
- Well-structured user manuals
- Informative error messages
- Help facilities
- Well-formed graphical user interfaces

5.) SUPPORTABILITY

Supportability requirements are concerned with the ease of changes to the system after deployment.
Classes:
- Adaptability: The ability to change the system to deal with additional application domain concepts
- Maintainability: The ability to change the system to deal with new technology or to fix defects)
- Portability: The ease with which a system or component can be transferred from one environment to another)
- Verification: It is the ability of the system to verify the user input under stated format.
- Data base: The data base management system should be available.
- Web support: It must be possible to invoke query to the system from any place by using web browser.

SOFTWARE REQUIREMENT AND SPECIFICATION

Software Requirement Specification (SRS) is the starting point of the software developing activity. As system grew more complex it became evident that the goal of the entire system cannot be easily comprehended. Hence the need for the requirement phase arose. The software is initiated by the client needs. The SRS is the means of translating the ideas of the minds of the clients (the input) into a formal document (the output of the requirement phase).

The Software Requirements Specification (SRS) begins the translation process that converts the software requirements into the language the developers will use. The SRS draws on the use-cases from the User Requirement Document and analyzes the situations from a number of perspectives to discover and eliminate inconsistencies, ambiguities, and omissions before development progresses significantly under mistaken assumptions

ROLE OF SRS:

The Purpose of the software requirement specification is to reduce the communication gap between the clients and developers. Software requirement specification is the medium, through which the client and user needs are accurately specified. It forms the basis of software development. A good SRS should satisfy all the parties involved in the system.

PROJECT SCOPE:

This "House Rental Management System" plays a vital role in the modern society where people have no time or patience for visiting places for getting a house to settle down, especially in the new and unknown locations.

SOFTWARE REQUIREMENT SPECIFICATION
CUSTOM CASTLE
(A House Rental Management System)

R.1- Register
Description: In order to enter to the application, the user need to register himself/herself to the system. The registration process includes two choices.

R.1.1- Register as owner
Input:
1. Name
2. Phone No.
3. Address
4. Email Id
5. Password
6. Confirm Password

Output:
1. Registered Successfully
2. Error*

R.1.2- Register as Tenant
Input:
1. Name
2. Phone No.
3. Email Id
4. Password
5. Confirm Password

Output:
1. Registered Successfully
2. Error*

R.2 – Sign In/Login
Description: After Sign In/login registered users can access their data stored in the system database.

R.2.1 - Sign in as Owner
Input:
1. Email Id
2. Password

R.2.2 – Sign in as Tenant
Input:
1. Email Id
2. Password

R.2.3 –Logout

Input: Click on Logout.

Output: Successfully Logged out.

R.2.4 – Forget Password

Input:

1. Email Id
2. OTP sent to respective email Id
3. Enter new password.
4. Confirm Password.

Output: Password reset successful.

R.3 – Search Property

Description: The following function provides an option to the tenant to search for his/her desired property.

Input: Location

Output: Search results from system database.

R.4 – Post Property

Description: This function provides the option to the user to post his property for rent.

Input:

1. Property Type
2. Address
3. Price
4. BHK
5. Type of Tenant (Bachelor/Family)
6. Photos of Property

Output:

1. Property posted successfully.
2. Error*

R.5 – Owner Dashboard

Description: This function provides tenant details as well as house details to the owner where he/she can manage and update the pay status of tenant.

R.6 – Tenant Dashboard

Description: This function provides house and owner details to tenant, whereas tenant have no permission to edit anything.

Error*:

1. Check your connection.
2. Invalid Email.
3. Invalid Password

UNIFIED MODELLING LANGUAGE (UML)

Unified modeling language (UML) is a standardized general-purpose modeling language in the field of object-oriented software engineering. The standard is managed and was created by the object management group. UML includes the set of graphical notation techniques to create a visual model of object-oriented software intensive systems.

UML DIAGRAMS:

- Use case Diagram
- Class Diagram
- Sequence Diagram
- Activity

DFD Level 0
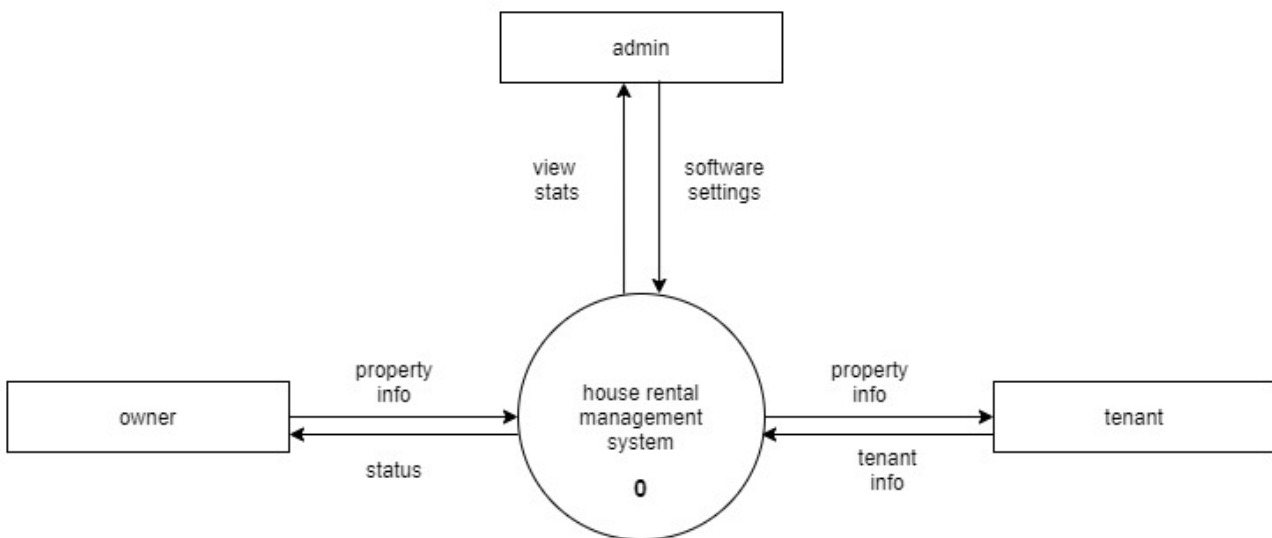
DFD LEVEL 0

DFD
(Level 1)
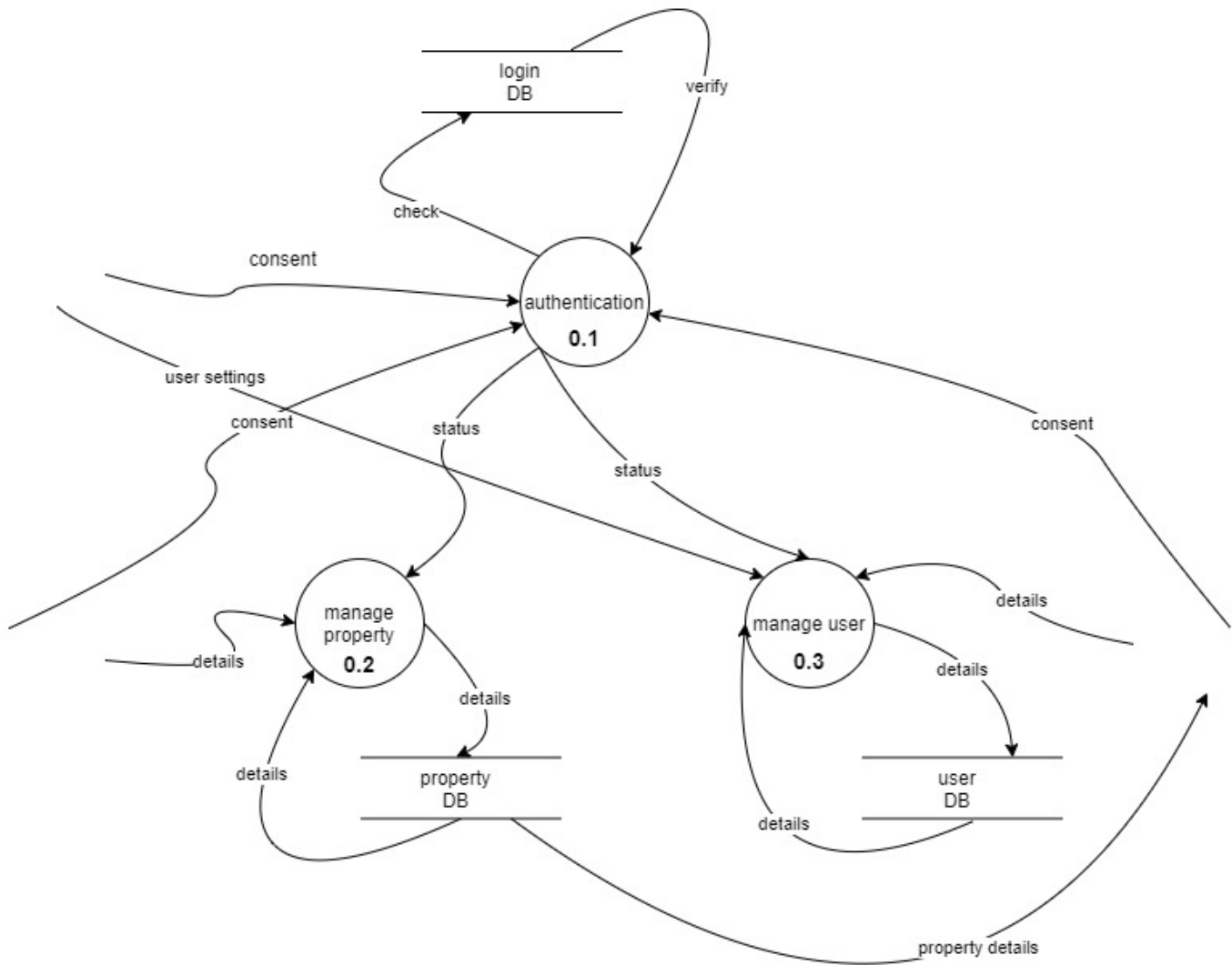
DFD LEVEL 1

DFD
(Level 2)

DFD LEVEL 2

USECASE
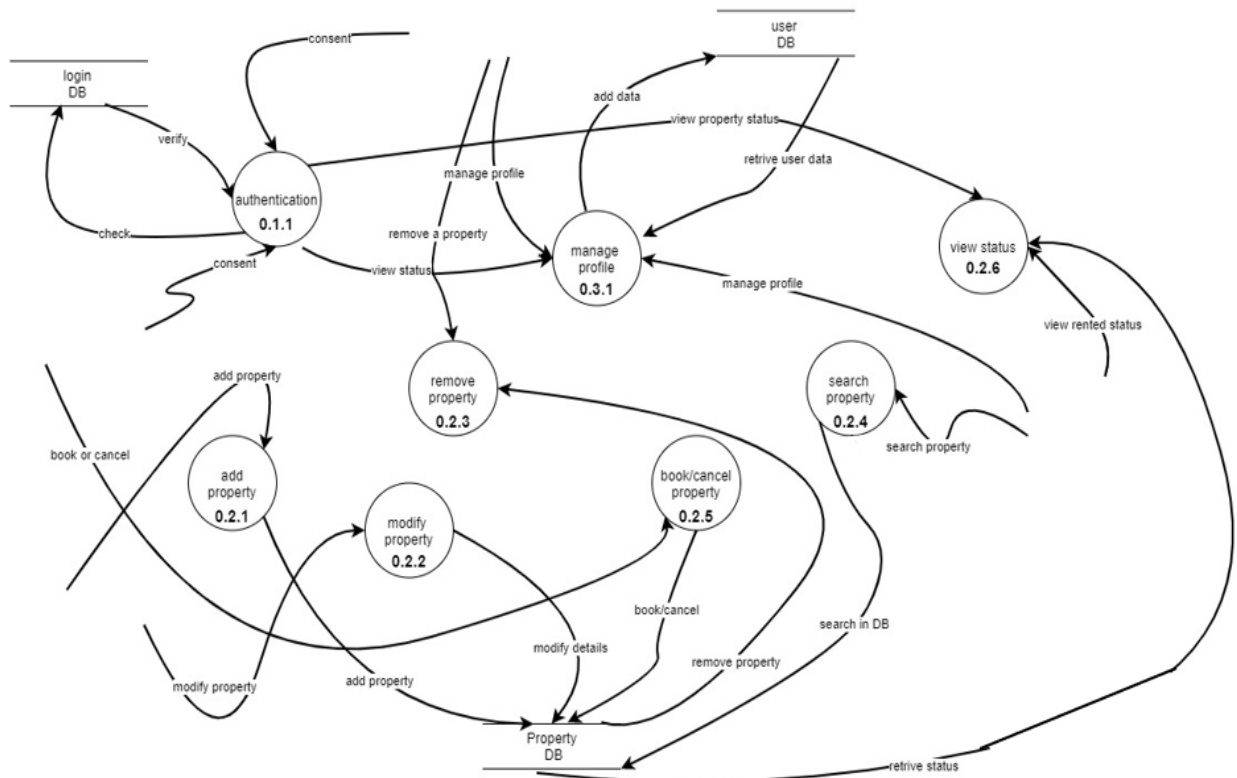
House Rental Management System
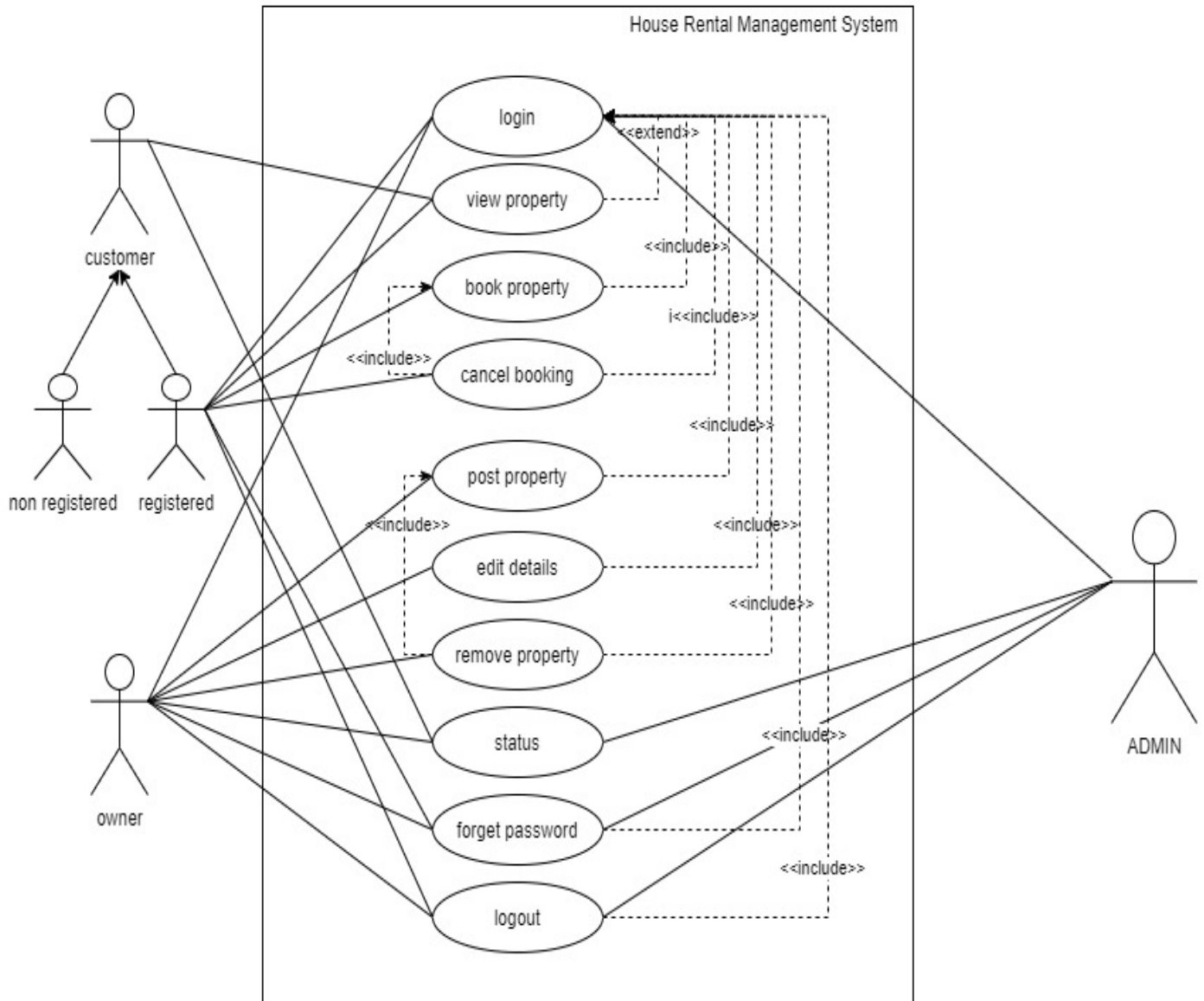
STRUCTURE CHART
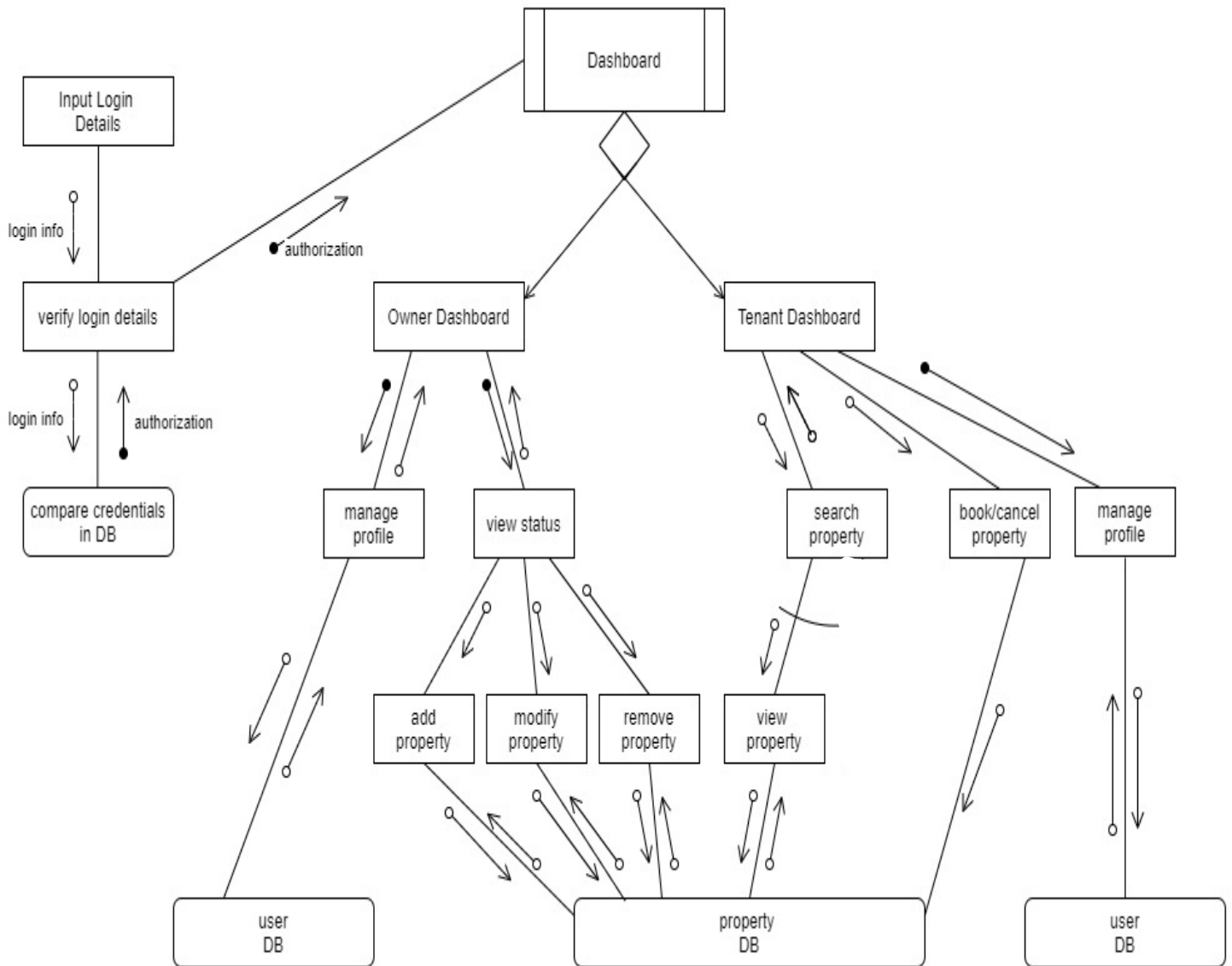
CLASS DIAGRAM
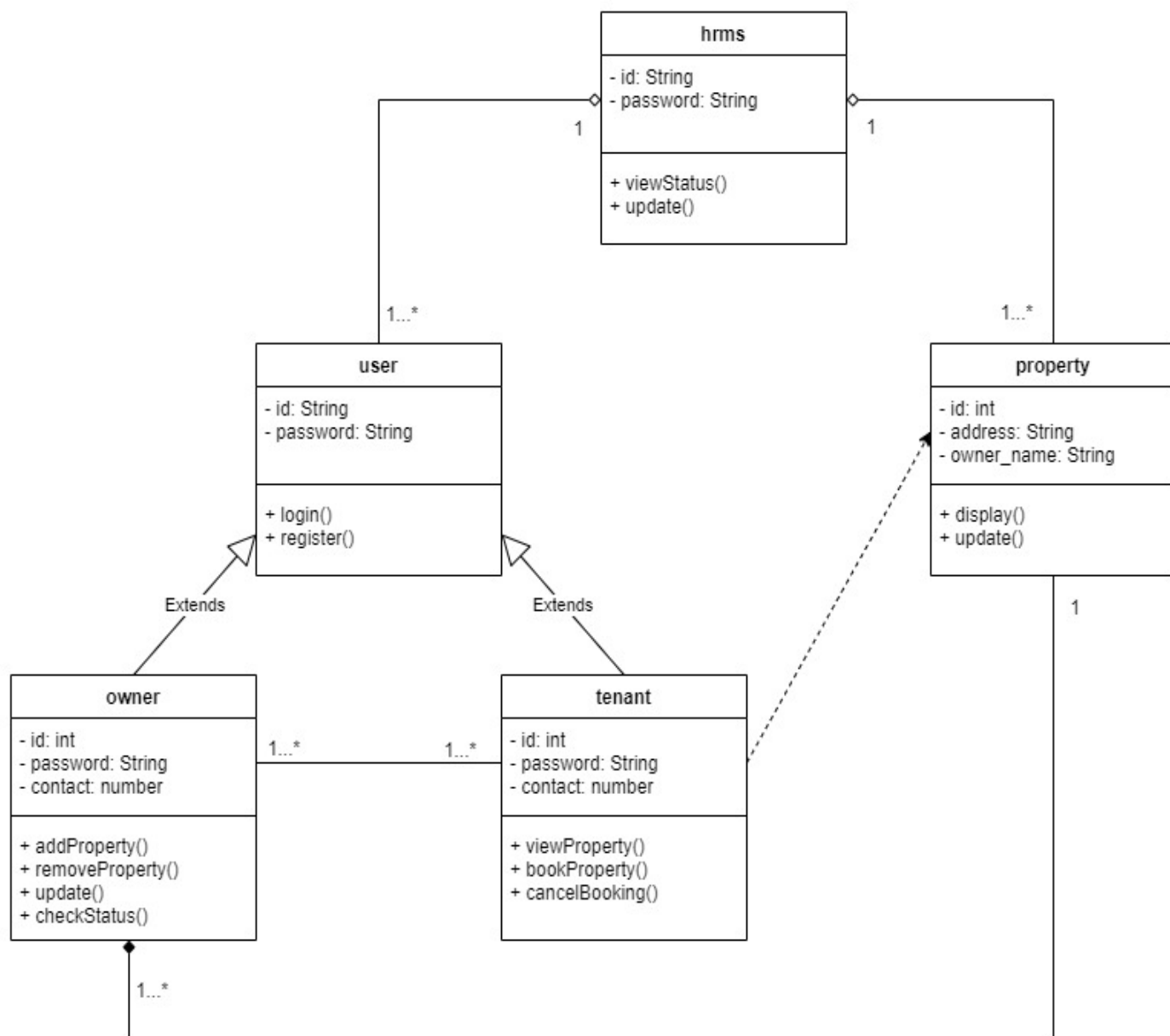
SEQUENCE DIAGRAM
(OWNER)

SEQUENCE DIAGRAM
(Tenant)

CODE

Home Page:


```html
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8" />
        <meta name="viewport" content="width=device-width, initial-scale=1.0" />
        <title>House Rental Management System</title>
        <link rel="shortcut icon" href="img/icon.png" type="image/x-icon" />
        <!-- bootstrap css CDN included -->
        <link
            rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css"
            integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"
            crossorigin="anonymous"
        />
        <!-- fonts CDN included -->
        <link

href="https://fonts.googleapis.com/css2?family=Epilogue&family=Roboto&display=swap
"
            rel="stylesheet"
        />
        <!-- custom CSS files included -->
        <link rel="stylesheet" href="css/style.css" />
    </head>
    <body>
        <!-- welcome section begins -->
        <section class="welcome-section">
```

```html
<header>
    <!-- navbar section begins -->
    <nav class="navbar navbar-expand-md">
        <div class="container">
            <a
                href="index.html"
                class="navbar-brand text-dark font-weight-bold"
                >CustomCastle</a
            >
            <button
                class="navbar-toggler"
                type="button"
                data-toggle="collapse"
                data-target="#collapsenav"
            >
                <span>
                    <img
                        src="img/menuHamburger.svg"
                        width="35px"
                        height="35px"
                        alt="menu-hamberger-icon"
                    />
                </span>
            </button>
            <div
                class="collapse navbar-collapse text-center"
                id="collapsenav"
            >
                <ul class="navbar-nav ml-auto">
                    <li class="nav-item">
                        <a href="#home" class="nav-link text-dark"
                            >home</a
                        >
                    </li>
                    <li class="nav-item">
                        <a
                            href="#about_us"
                            class="nav-link text-dark"
                            >about us</a
                        >
                    </li>
                    <li class="nav-item">
                        <a
                            href="#contact_us"
                            class="nav-link text-dark"
                            >contact us</a
                        >
                    </li>
                    <li class="nav-item">
            <a
                            href="login.php"
                            class="nav-link text-dark"
                            >login</a
                        >
                    </li>
```

```html
                        <li class="nav-item signup">
                            <a
                                href="register.php"
                                class="nav-link text-dark"
                                >register</a
                            >
                        </li>
                    </ul>
                </div>
            </div>
        </nav>
        <!-- navbar ends -->
    </header>
    <!-- main content begins -->
    <div class="main-content">
        <div class="container">
            <div class="row">
                <div class="col-lg-6 col-md-6 col-sm-10 col-12">
                    <div class="main-text">
                        <p>
                            find your dream house <br />
                            <span>in an affordable price</span>
                        </p>
                    </div>
                </div>

                <div class="col-lg-6 col-md-6 col-sm-10 col-12">
                    <div class="search-form form-group">
                        <form action="viewresults.php" method="POST"
target="_blank">

                            <input
                                type="text"
                                maxlength="6"
                                name="pcode"
                                placeholder="pin code"
                                class="form-control"
                            />
                            <input
                                type="submit"
                                name="submit"
                                value="search"
                                id="search-btn"
                                class="form-control"
                            />
                        </form>
                    </div>
                </div>
            </div>
        </div>
    </div>
    <!-- main content header ends -->
</section>
<!-- welcome section ends -->
<!-- property type selection -->
```
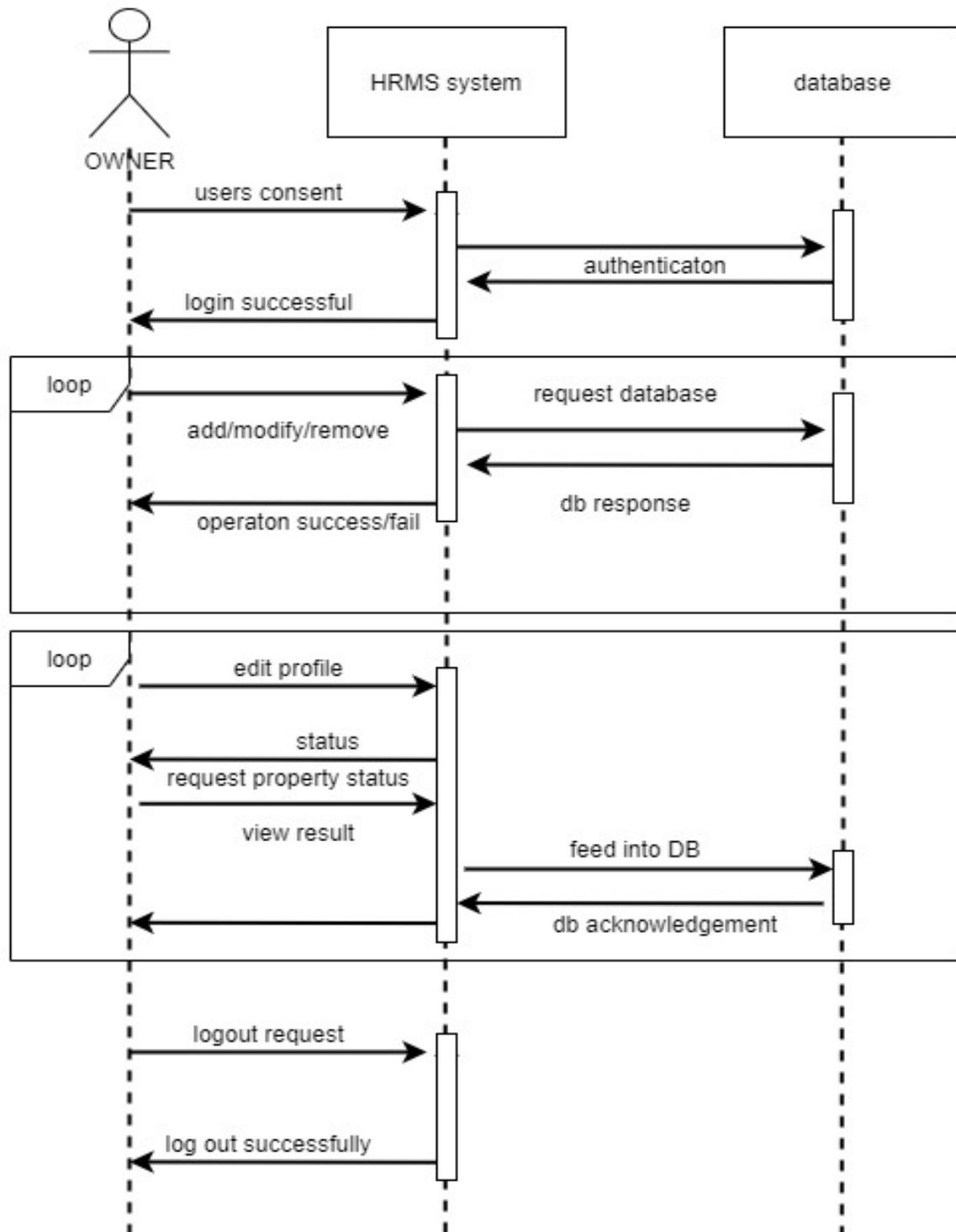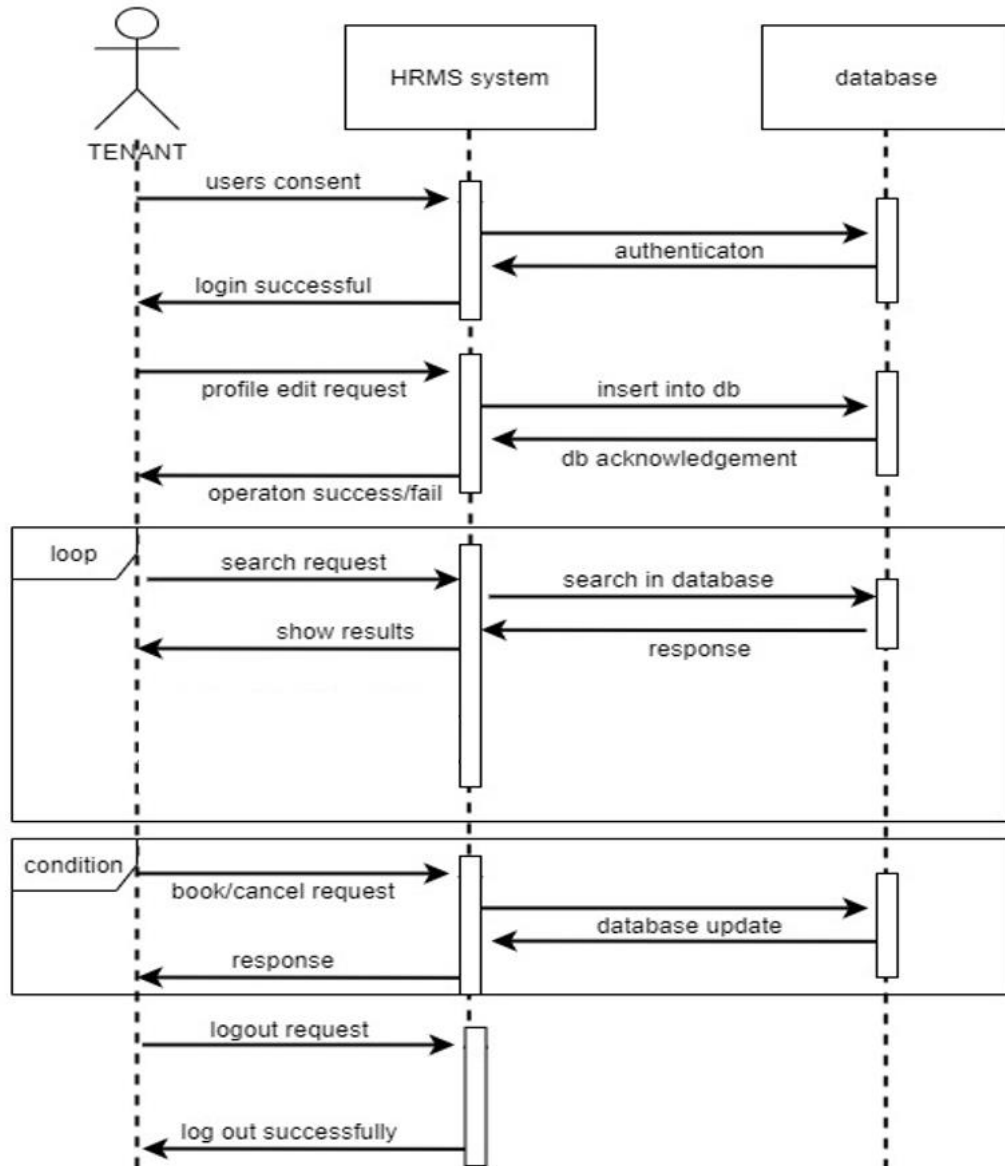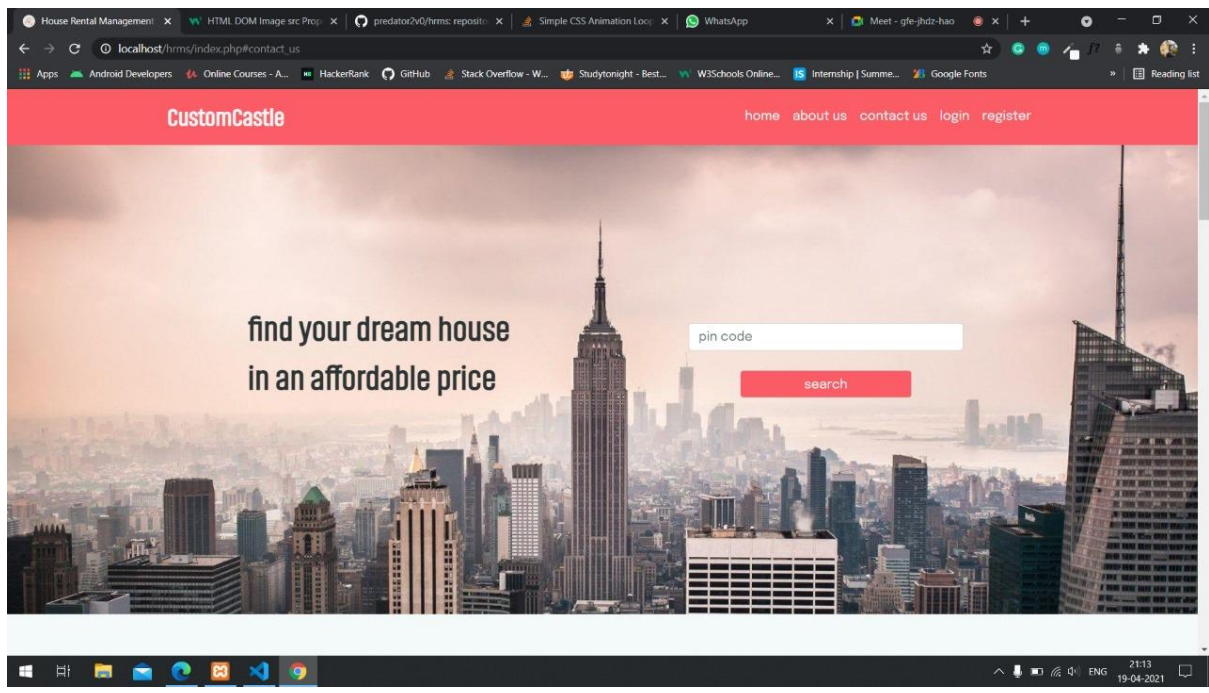
```html
<section class="property-selection" id="home">
    <h1 class="section-heading">we offer</h1>
    <div class="property-type-selection">
        <div class="apartment">
            <img
                class="img-fluid"
                src="img/apartment.jpg"
                alt="apartment"
            />
            <p class="property-title">apartment</p>
        </div>
        <div class="house">
            <img
                class="img-fluid"
                src="img/house.jpg"
                alt="independent-house"
            />
            <p class="property-title">house</p>
        </div>
        <div class="hostel">
            <img class="img-fluid" src="img/hostel.jpg" alt="hostel" />
            <p class="property-title">hostle</p>
        </div>
        <div class="office">
            <img class="img-fluid" src="img/office.jpg" alt="office" />
            <p class="property-title">office</p>
        </div>
        <div class="shop">
            <img class="img-fluid" src="img/shop.jpg" alt="shop" />
            <p class="property-title">shop</p>
        </div>
    </div>
</section>
```

```html
<!-- our vision section starts -->
    <section class="our-vision">
        <h1 class="section-heading">our vision</h1>
        <div class="easy-access">
            <img
                class="easy-access-img"
                src="img/easy-access.png"
                alt="demo"
            />
            <h3 class="easy-access-heading">easy access</h3>
            <p class="easy-access-text">
                Custom Castle gives you access to hundreds of houses at
                almost every location across the country, making it easy for
                you to relocate to your destination without being physically
                present.
            </p>
        </div>
        <div class="cheap-price">
            <img class="cheap-price-img" src="img/best-price.png" alt="" />
            <h3 class="cheap-price-heading">Best price</h3>
            <p class="cheap-price-text">
                A number of landlords and owners from countrywide locations
                are taking part in publishing their property online with us
                for rent, making the customer to compare prices and choose
                the desired house of their choice, making it really
                "affordable" for them.
            </p>
        </div>
        <div class="sustainable-platform">
            <img
                class="sustainable-platform-img"
                src="img/sustainable-platform.svg"
                alt=""
```
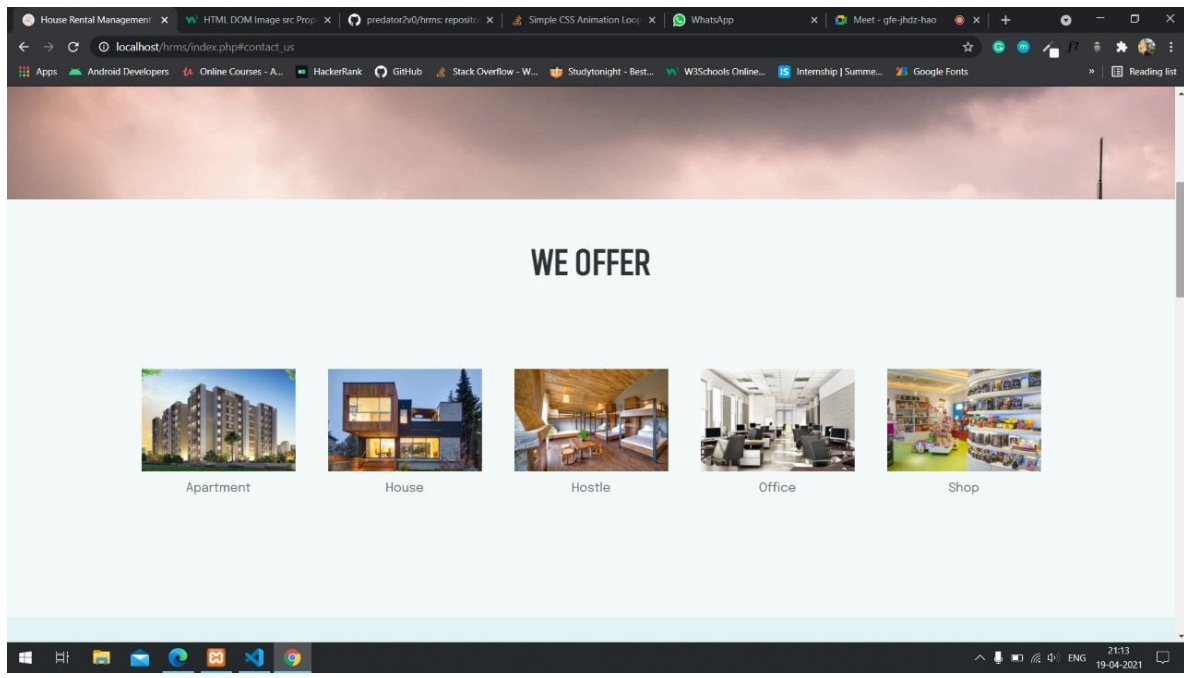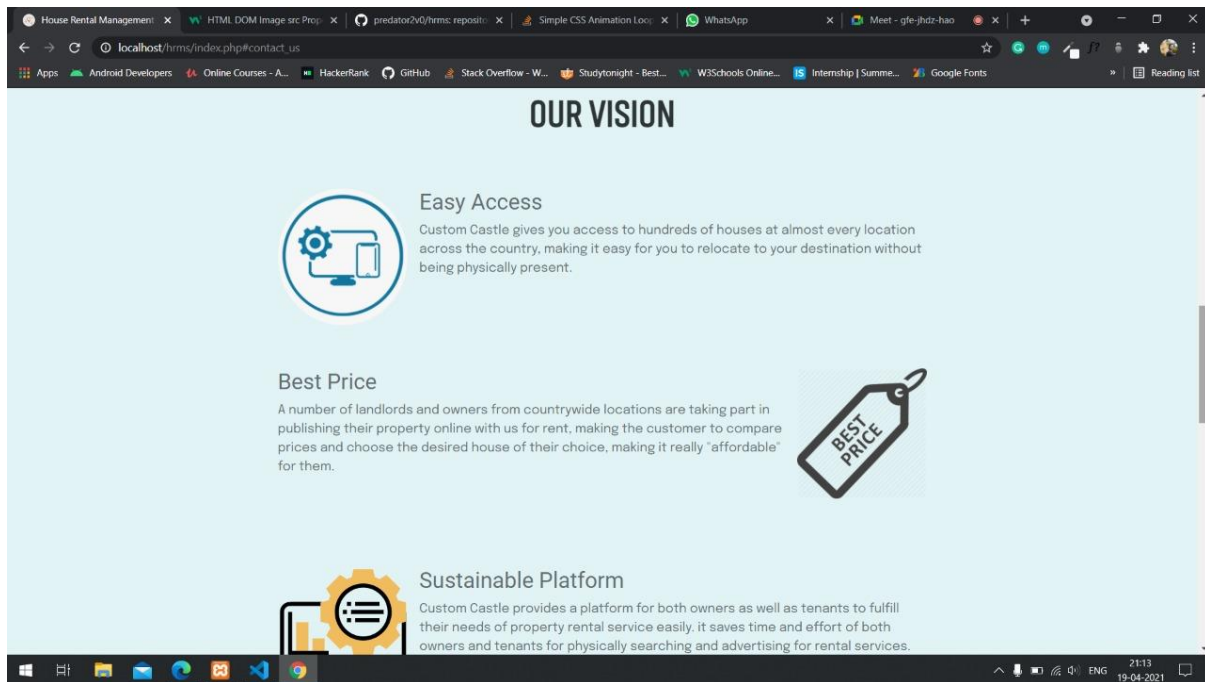
```
    />
    <h3 class="sustainable-platform-heading">
        sustainable platform
    </h3>
    <p class="sustainable-platform-text">
        Custom Castle provides a platform for both owners as well as
        tenants to fulfill their needs of property rental service
        easily. it saves time and effort of both owners and tenants
        for physically searching and advertising for rental
        services.
    </p>
    </div>
</section>
```

ABOUT US

CustomCastle offers you a query free platform to search for a best home as well as someone who takes care of
your home like their own. In this era , where it's a major challenge to find a better shelter, we offer you the easiest
solution that will make you find the best one. Hope we will make you find your dream house with affordable cost.

CONTACT US

NAME:

EMAIL:

YOUR MESSAGE:

SEND

```
<!-- about us starts -->
<section class="about-us" id="about_us">
    <h1 class="section-heading">about us</h1>
    <p class="about-us-text">
        CustomCastle offers you a query free platform to search for a
        best home as well as someone who takes care of your home like
        their own. In this era , where it's a major challenge to find a
        better shelter, we offer you the easiest solution that will make
        you find the best one. Hope we will make you find your dream
        house with affordable cost.
    </p>
</section>
<!-- contact us starts -->
<section class="contact-us" id="contact_us">
    <h1 class="section-heading">contact us</h1>
    <div class="contact-us-form">
        <form action="contact.php" method="POST">
            <div class="contact-name">
                <label>name:</label>
```

```html
                        <input type="text" name="u_name" required />
                    </div>
                    <div class="contact-email">
                        <label>email:</label>
                        <input type="email" name="u_email" required />
                    </div>
                    <div class="contact-text">
                        <label>your message:</label>
                        <textarea name="u_message" required></textarea>
                    </div>
                    <div class="send-message-btn">
                        <input type="submit" value="send" name="submit" />
                    </div>
                </form>
            </div>
        </section>
        <!-- footer section starts -->
        <section class="footer">
            <h1 class="footer-heading">custom castle</h1>
            <p class="github-repo">
                <img
                    class="github-icon"
                    src="img/github-ico.png"
                    alt="github-icon"
                />
                <a href="https://github.com/predator2v0/hrms" target="_blank"
                    >github repository</a
                >
            </p>
            <p class="copyright">&copy;2021 all rights reserved.</p>
        </section>
        <!-- scripts -->
        <!-- bootstrap js CDN included -->
        <script
            src="https://code.jquery.com/jquery-3.2.1.slim.min.js"
            integrity="sha384-
KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN"
            crossorigin="anonymous"
        ></script>
        <script

src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js"
            integrity="sha384-
ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
            crossorigin="anonymous"
        ></script>
        <script

src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"
            integrity="sha384-
JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl"
            crossorigin="anonymous"
        ></script>
    </body>
</html>
```
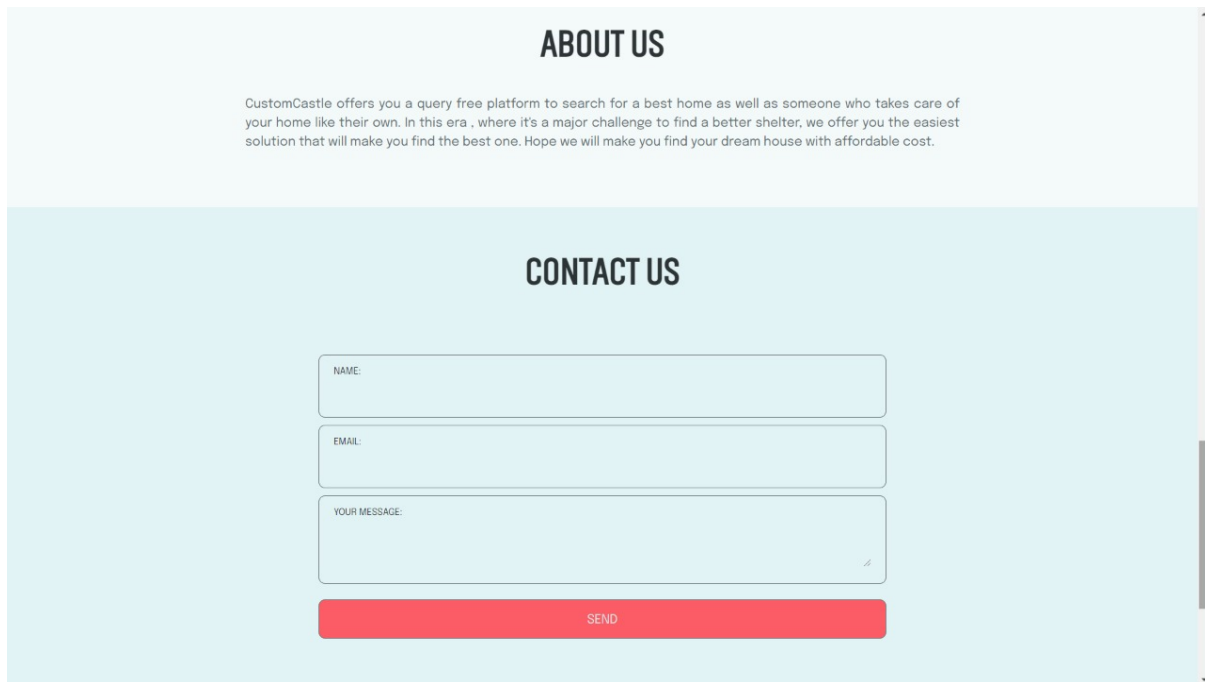
Department of Computer Science and Engineering

New User Registration:


```php
<?php
    session_start();
?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>register | hrms</title>
    <?php include 'links.php'?>
    <link rel="stylesheet" href="css/style.css">
    <link rel="stylesheet" href="css/register.css">
    <link rel="shortcut icon" href="img/icon.png" type="image/x-icon">
</head>
<body class="register-body">
    <header>
        <!-- navbar section begins -->
        <nav class="navbar navbar-expand-md">
            <div class="container">
                <a
                    href="index.php"
                    class="navbar-brand text-dark font-weight-bold"
                    >CustomCastle</a
                >
                <button
                    class="navbar-toggler"
                    type="button"
                    data-toggle="collapse"
                    data-target="#collapsenav"
                >
```

```html
                    <span>
                        <img
                            src="img/menuHamburger.svg"
                            width="35px"
                            height="35px"
                            alt="menu-hamberger-icon"
                        />
                    </span>
                </button>
                <div
                    class="collapse navbar-collapse text-center"
                    id="collapsenav"
                >
                    <ul class="navbar-nav ml-auto">
                        <li class="nav-item">
                            <a href="index.php" class="nav-link text-dark"
                                >home</a
                            >
                        </li>
                        <!-- <li class="nav-item">
                            <a
                                href="#about_us"
                                class="nav-link text-dark"
                                >about us</a
                            >
                        </li>
                        <li class="nav-item">
                            <a
                                href="#contact_us"
                                class="nav-link text-dark"
                                >contact us</a
                            >
                        </li>-->
                        <li class="nav-item">
                            <a
                                href="login.php"
                                class="nav-link text-dark"
                                >login </a
                            >
                        </li>
                        <!-- <li class="nav-item signup">
                            <a
                                href="logout.php"
                                class="nav-link text-dark"
                                >logout</a
                            >
                        </li> -->
                    </ul>
                </div>
            </div>
        </nav>
        <!-- navbar ends -->
    </header>

<!-- backend script for registration form -->
```

```php
<?php
    include 'connection.php';

    if($con){
        if(isset($_POST['submit'])){
            $name = mysqli_real_escape_string($con,$_POST['u_name']);
            $email = mysqli_real_escape_string($con,$_POST['u_email']);
            $contact = mysqli_real_escape_string($con,$_POST['u_phno']);
            $age = mysqli_real_escape_string($con,$_POST['u_age']);
            $gender = mysqli_real_escape_string($con,$_POST['gender']);

            $address = mysqli_real_escape_string($con, $_POST['u_addr']);
            $city = mysqli_real_escape_string($con, $_POST['u_city']);
            $state = mysqli_real_escape_string($con, $_POST['u_state']);
            $pincode = mysqli_real_escape_string($con, $_POST['u_pincode']);

            $password = mysqli_real_escape_string($con, $_POST['u_password']);
            $cpassword = mysqli_real_escape_string($con, $_POST['u_cpassword']);


            //check if registered email is present already
            $emailquery = "select * from usr_login where email = '$email' ";
            $resultset = mysqli_query($con, $emailquery);
            $emailcount = mysqli_num_rows($resultset);

            if($emailcount > 0){
                ?>
                <script>
                    alert("email already registered!");
                </script>
                <?php
            }else{
                if($password == $cpassword){
                    $pass = password_hash($password, PASSWORD_BCRYPT);
                    $insertquery = "insert into
usr_login(name,email,contact,age,gender,address,city,state,pincode,password)
values('$name','$email','$contact',$age,'$gender','$address','$city','$state','$pi
ncode','$pass')";
                    $executequery = mysqli_query($con,$insertquery);
                    if($executequery){
                        ?>
                <script>
                    alert("User registered successfully");
                </script>
                <?php
                    }else{
                        ?>
                <script>
                    alert("Unable to register!!");
                </script>
                <?php
                    }
                }else{
                        ?>
                <script>
```

```
                        alert("password and confrim password does not match!");
                    </script>
                    <?php
                    }
                }
            }
        }
?>

<!-- registration form -->
<section class="register-container">
    <form action="<?php echo htmlentities($_SERVER['PHP_SELF']); ?>"
method="POST">
        <div class="personal-info">
            <h3>personal information</h3>
            <div class="ipfield">
                <label>name:</label>
                <input type="text" name="u_name" required>
            </div>
            <div class="ipfield">
                <label>email:</label>
                <input type="email" name="u_email" required>
            </div>
            <div class="ipfield">
                <label>contact no:</label>
                <input type="tel" name="u_phno" maxlength="10" size="10" required>
            </div>
            <div class="ipfield">
                <label>age:</label>
                <input type="text" name="u_age" required>
            </div>
            <div class="ipfield">
                <label>gender:</label>
                <div class="gender-select">
                <input type="radio" name="gender" value="male">male
                <input type="radio" name="gender" value="female">female
                <input type="radio" name="gender" value="other">other
                </div>
            </div>
        </div>

        <div class="contact-info">
            <h3>contact information</h3>
            <div class="ipfield">
                <label>address:</label>
                <input type="text" name="u_addr" required>
            </div>
            <div class="ipfield">
                <label>city:</label>
                <input type="text" name="u_city" required>
            </div>
            <div class="ipfield">
                <label>state:</label>
                <input type="text" name="u_state" required>
            </div>
```

```html
        <div class="ipfield">
            <label>pincode:</label>
            <input type="text" name="u_pincode" required>
        </div>
    </div>

    <div class="password-info">
        <h3>password setting</h3>
        <div class="ipfield">
            <label>password:</label>
            <input type="password" name="u_password" required>
        </div>
        <div class="ipfield">
            <label>confirm password:</label>
            <input type="password" name="u_cpassword" required>
        </div>
    </div>
    <div class="submit-reset">
        <input type="submit" name="submit" value="register">
        <input type="reset" name="reset">
    </div>
    </form>
</section>
<?php include 'footer.php';?>
</body>
</html>
```
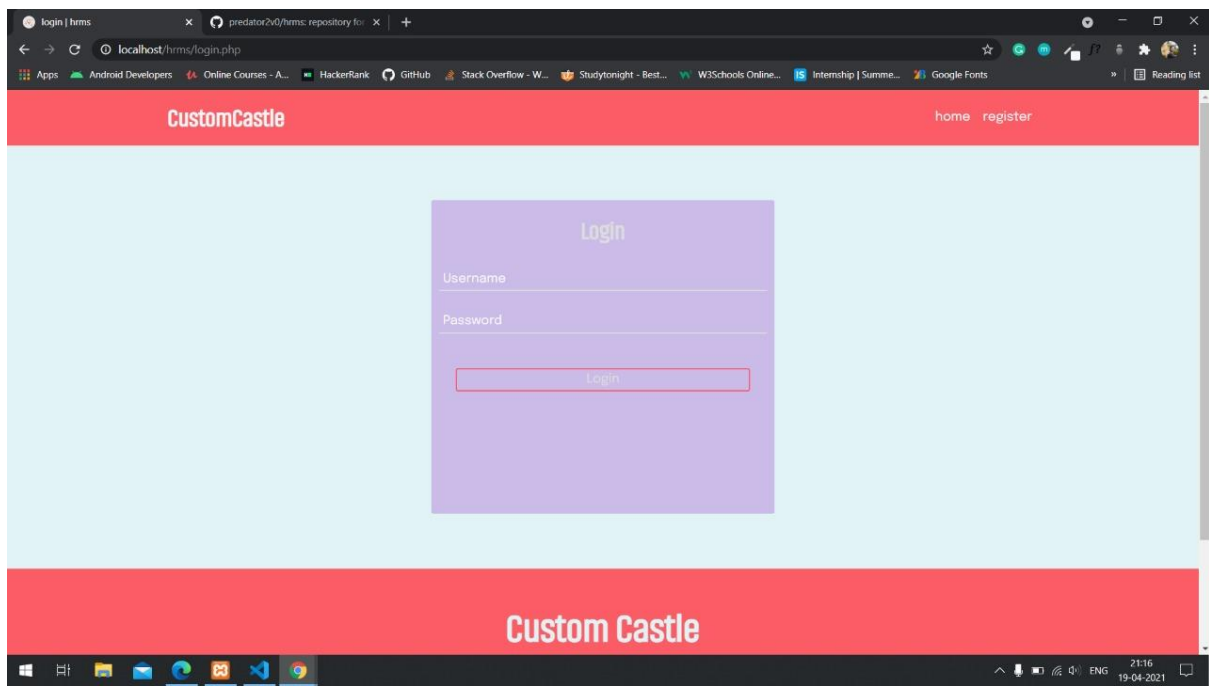
User Login:


```php
<?php
    session_start();
?>
<!DOCTYPE html>
<html lang="en">
<head>
```

```html
<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<?php include 'links.php'; ?>
<title>login | hrms</title>
<link rel="shortcut icon" href="img/icon.png" type="image/x-icon" />
<link rel="stylesheet" href="css/style.css" />
<link rel="stylesheet" href="css/login.css">

</head>
<body>
    <header>
        <!-- navbar section begins -->
        <nav class="navbar navbar-expand-md">
            <div class="container">
                <a
                    href="index.php"
                    class="navbar-brand text-dark font-weight-bold"
                    >CustomCastle</a
                >
                <button
                    class="navbar-toggler"
                    type="button"
                    data-toggle="collapse"
                    data-target="#collapsenav"
                >
                    <span>
                        <img
                            src="img/menuHamburger.svg"
                            width="35px"
                            height="35px"
                            alt="menu-hamberger-icon"
                        />
                    </span>
                </button>
                <div
                    class="collapse navbar-collapse text-center"
                    id="collapsenav"
                >
                    <ul class="navbar-nav ml-auto">
                        <li class="nav-item">
                            <a href="index.php" class="nav-link text-dark"
                                >home</a
                            >
                        </li>
                        <!-- <li class="nav-item">
                            <a
                                href="#about_us"
                                class="nav-link text-dark"
                                >about us</a
                            >
                        </li>
                        <li class="nav-item">
                            <a
                                href="#contact_us"
                                class="nav-link text-dark"
                                >contact us</a
                            >
                        </li>
```

```html
                        <li class="nav-item">
                            <a href="#login" class="nav-link text-dark"
                                >login</a
                            >
                        </li> -->
                        <li class="nav-item signup">
                            <a
                                href="register.php"
                                class="nav-link text-dark"
                                >register</a
                            >
                        </li>
                    </ul>
                </div>
            </div>
        </nav>
        <!-- navbar ends -->
    </header>
        <!-- login script starts -->
        <?php
            include 'connection.php';
            if($con){
                if(isset($_POST['submit'])){
                    $email = $_POST['email'];
                    $pass = $_POST['password'];

            //    check if the user exists in the database.
                    $search_query = "select * from usr_login where email =
'$email' ";

                    $resultset = mysqli_query($con, $search_query);
                    $usr_count = mysqli_num_rows($resultset);

            // if user exists, password matching
                    if($usr_count){
                        $userdata = mysqli_fetch_assoc($resultset);

                        // get password and match
                        $matching_password = $userdata['password'];
                        $is_matching = password_verify($pass, $matching_password);

                        // fetch all data
                            $_SESSION['id'] = $userdata['id'];
                            $_SESSION['name'] = $userdata['name'];
                            $_SESSION['email'] = $userdata['email'];
                            $_SESSION['contact'] = $userdata['contact'];
                            $_SESSION['age'] = $userdata['age'];
                            $_SESSION['gender'] = $userdata['gender'];
                            $_SESSION['address'] = $userdata['address'];
                            $_SESSION['city'] = $userdata['city'];
                            $_SESSION['state'] = $userdata['state'];
                            $_SESSION['pincode'] = $userdata['pincode'];

            //   allow access if match found
                        if($is_matching){
                            ?>
                            <script>
                                alert("login successful");
                                location.replace("dashboard.php");
                            </script>
```

```php
                            <?php
                    }else{
                        ?>
                        <script>
                            alert("login failed! wrong password!");
                            location.replace("login.php");
                        </script>
                        <?php
                    }
                }else{
                    ?>
                        <script>
                            alert("user not found");
                            location.replace("login.php");
                        </script>
                        <?php
                }
            }
        }
        ?>
        <!-- form starts -->
        <div class="login-form">
            <form action="" method="POST">
                <h3>Login</h3>
                <input
                    type="text"
                    name="email"
                    placeholder="Username"
                /><br />
                <input
                    type="password"
                    name="password"
                    placeholder="Password"
                /><br />
                <input
                    type="submit"
                    name="submit"
                    value="Login"
                    id="login-btn"
                /><br />
            </form>
        </div>
    <?php include 'footer.php'; ?>
</body>
</html>
```

Logout:

```php
<?php
    session_start();
    session_destroy();
    header('location:index.php');
?>
```

Search Property:
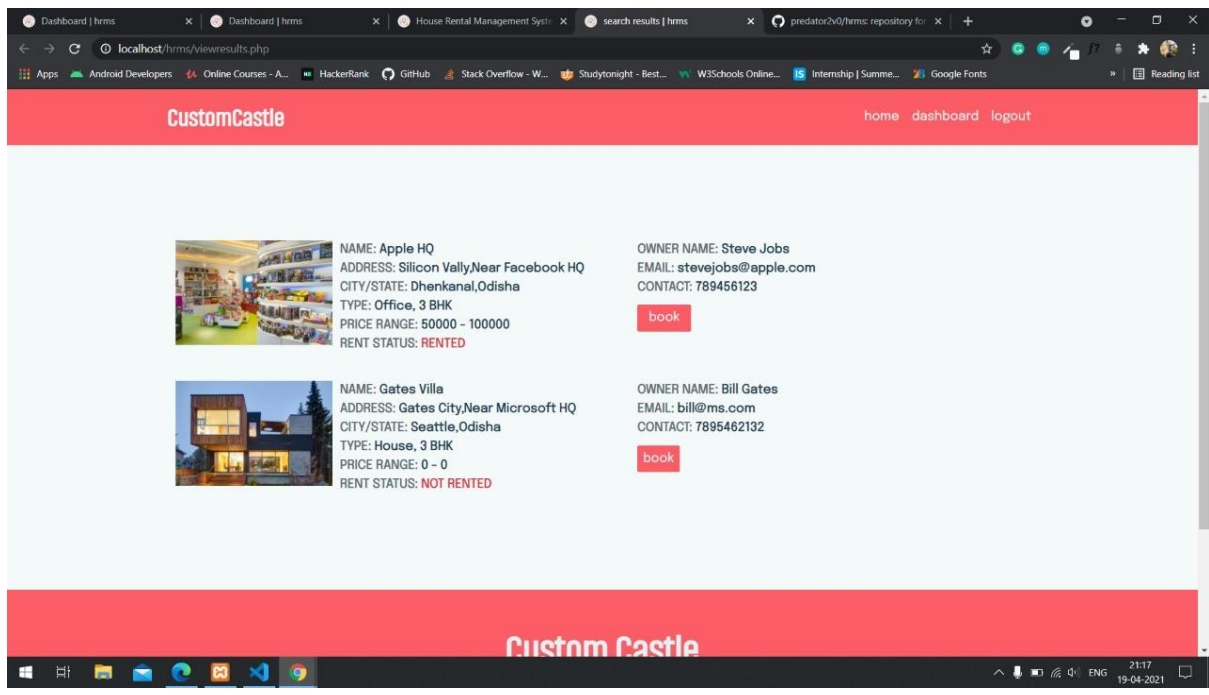

```php
<?php
    session_start();

    if(!isset($_SESSION['email'])){
        header('location:login.php');
    }
?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>view all property | hrms</title>
    <?php include 'links.php'; ?>
    <link rel="shortcut icon" href="img/icon.png" type="image/x-icon">
    <link rel="stylesheet" href="css/style.css">
    <link rel="stylesheet" href="css/viewproperty.css">
</head>
<body class="viewproperty-body">
<header>
        <!-- navbar section begins -->
        <nav class="navbar navbar-expand-md">
            <div class="container">
                <a
                    href="index.php"
                    class="navbar-brand text-dark font-weight-bold"
                    >CustomCastle</a
                >
                <button
                    class="navbar-toggler"
```

```html
            type="button"
            data-toggle="collapse"
            data-target="#collapsenav"
        >
            <span>
                <img
                    src="img/menuHamburger.svg"
                    width="35px"
                    height="35px"
                    alt="menu-hamberger-icon"
                />
            </span>
        </button>
        <div
            class="collapse navbar-collapse text-center"
            id="collapsenav"
        >
            <ul class="navbar-nav ml-auto">
                <li class="nav-item">
                    <a href="index.php" class="nav-link text-dark"
                        >home</a
                    >
                </li>
                <!-- <li class="nav-item">
                    <a
                        href="#about_us"
                        class="nav-link text-dark"
                        >about us</a
                    >
                </li>
                <li class="nav-item">
                    <a
                        href="#contact_us"
                        class="nav-link text-dark"
                        >contact us</a
                    >
                </li>-->
                <li class="nav-item">
                    <a
                        href="dashboard.php"
                        class="nav-link text-dark"
                        >dashboard </a
                    >
                </li>
                <li class="nav-item signup">
                    <a
                        href="logout.php"
                        class="nav-link text-dark"
                        >logout</a
                    >
                </li>
            </ul>
        </div>
    </div>
</nav>
```

```html
        <!-- navbar ends -->
    </header>

    <section class="viewproperty-container">
        <table class="table table-striped table-hover table-bordered">
            <thead class="font-weight-bold">
                <tr class="text-uppercase">
                    <td>sl. no.</td>
                    <td>property name</td>
                    <td>address</td>
                    <td>landmark</td>
                    <td>city</td>
                    <td>state</td>
                    <td>pincode</td>
                    <td>type</td>
                    <td>rooms</td>
                    <td colspan="2">Operations</td>
                </tr>
            </thead>
            <tbody>
            <?php
                include 'connection.php';
                if($_SESSION['name']){
                $mail = $_SESSION['email'];

                $retrive_query = "select * from property where oemail = '$mail' ";
                $resultset = mysqli_query($con,$retrive_query);
                $rows = mysqli_num_rows($resultset);
                $sl = 1;
                while($res = mysqli_fetch_array($resultset)){
            ?>
                <tr>
                    <td><?php echo $sl; ?></td>
                    <td><?php echo $res['pname']; ?></td>
                    <td><?php echo $res['locality']; ?></td>
                    <td><?php echo $res['landmark']; ?></td>
                    <td><?php echo $res['city']; ?></td>
                    <td><?php echo $res['state']; ?></td>
                    <td><?php echo $res['pincode']; ?></td>
                    <td><?php echo $res['regtype']; ?></td>
                    <td><?php
                            if($res['roomcount'] == 'onebhk')
                                echo "1 BHK";
                            if($res['roomcount'] == 'twobhk')
                                echo "2 BHK";
                            if($res['roomcount'] == 'threebhk')
                                echo "3 BHK";

                        ?>
                    </td>
                    <td><a href="updateproperty.php?id=<?php echo $res['id']; ?>"
data-toggle="tooltip" data-placement="right" title="Update"><i class="fa fa-edit
text-success" aria-hidden="true"></i></a></td>
```

```php
<td><a href="deleteproperty.php?id=<?php echo $res['id']; ?>" data-
toggle="tooltip" data-placement="left" title="Delete"><i class="fa fa-trash text-
danger" aria-hidden="true"></i></a></td>
                </tr>
            <?php
                $sl++;
                }
            }
            ?>
            </tbody>
        </table>
    </section>

    <?php include 'footer.php'; ?>
    <script src="script/viewproperty.js"></script>
</body>
</html>
```

Book Property:

```php
<?php
 session_start();

    if(!$_SESSION['name']){
        ?>
            <script>
                alert("login to continue!!");
            </script>
        <?php
        header('location:login.php');
    } else{
        include 'connection.php';
        if($con){
            $bid = $_GET['id'];
            $bookquery = "update property set bstatus = 1 where id = $bid";
            $bookresult = mysqli_query($con,$bookquery);
            if($bookquery){
                ?>
                <script>
                    alert("property booked successfully!");
                </script>
                <?php
                header('location:dashboard.php');
            }else{
                ?>
                <script>
                    alert("unable to book:) please try again!!");
                </script>
                <?php
            }
        }
    }

?>
```

Add a new Property:
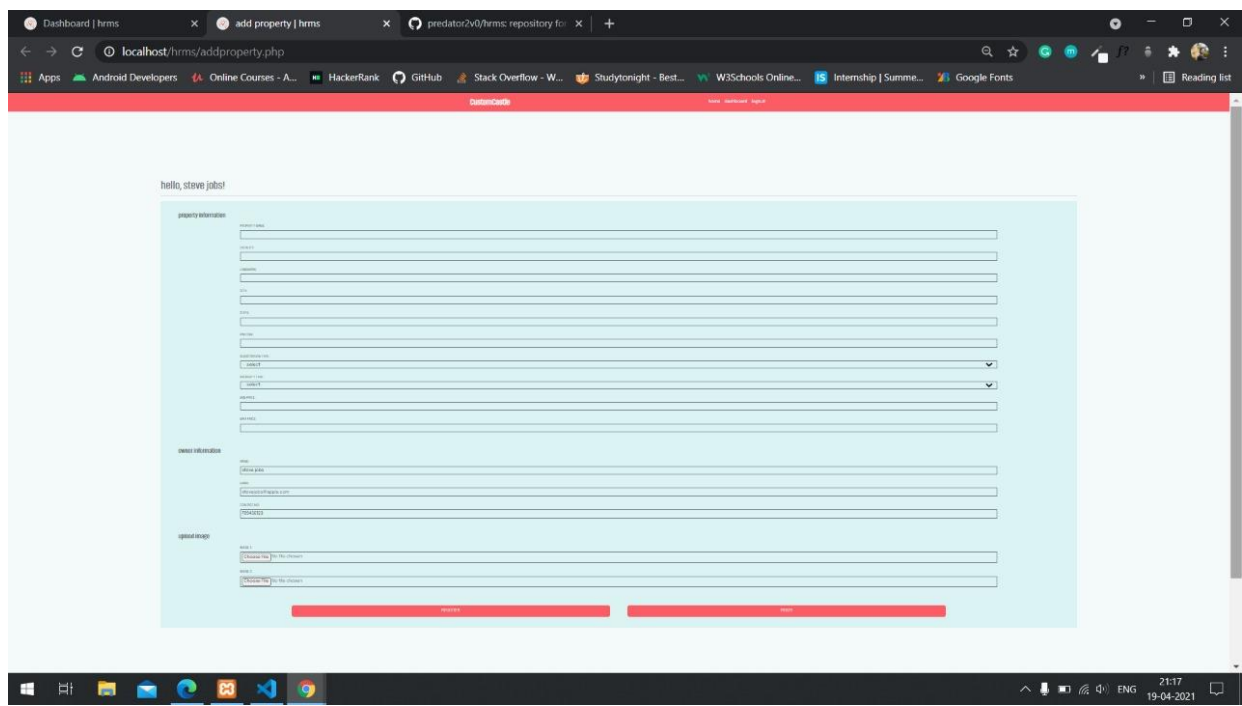

```php
<?php
    session_start();

    if(!isset($_SESSION['email'])){
        header('location:login.php');
    }
?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <?php include 'links.php'; ?>
    <title>add property | hrms</title>
    <link rel="shortcut icon" href="img/icon.png" type="image/x-icon">
    <link rel="stylesheet" href="css/style.css">
    <link rel="stylesheet" href="css/addproperty.css">
</head>
<body class="addproperty-body">
    <header>
        <!-- navbar section begins -->
        <nav class="navbar navbar-expand-md">
            <div class="container">
                <a
                    href="index.php"
                    class="navbar-brand text-dark font-weight-bold"
                    >CustomCastle</a
                >
                <button
                    class="navbar-toggler"
                    type="button"
                    data-toggle="collapse"
```

```html
                        data-target="#collapsenav"
            >
                <span>
                    <img
                        src="img/menuHamburger.svg"
                        width="35px"
                        height="35px"
                        alt="menu-hamberger-icon"
                    />
                </span>
            </button>
            <div
                class="collapse navbar-collapse text-center"
                id="collapsenav"
            >
                <ul class="navbar-nav ml-auto">
                    <li class="nav-item">
                        <a href="index.php" class="nav-link text-dark"
                            >home</a
                        >
                    </li>
                    <!-- <li class="nav-item">
                        <a
                            href="#about_us"
                            class="nav-link text-dark"
                            >about us</a
                        >
                    </li>
                    <li class="nav-item">
                        <a
                            href="#contact_us"
                            class="nav-link text-dark"
                            >contact us</a
                        >
                    </li>-->
                     <li class="nav-item">
                        <a
                            href="dashboard.php"
                            class="nav-link text-dark"
                            >dashboard </a
                        >
                    </li>
                    <li class="nav-item signup">
                        <a
                            href="logout.php"
                            class="nav-link text-dark"
                            >logout</a
                        >
                    </li>
                </ul>
            </div>
        </div>
    </nav>
    <!-- navbar ends -->
</header>
<!-- property registration form backend script [php] -->
<?php
    include 'connection.php';
```

```php
if($con){
    if(isset($_POST['submit'])){
        // input all the details about property
        $pname = mysqli_real_escape_string($con,$_POST['p_name']);
        $locality = mysqli_real_escape_string($con,$_POST['p_locality']);
        $landmark = mysqli_real_escape_string($con,$_POST['p_landmark']);
        $city = mysqli_real_escape_string($con,$_POST['p_city']);
        $state = mysqli_real_escape_string($con,$_POST['p_state']);
        $pincode = mysqli_real_escape_string($con,$_POST['p_pincode']);
        $regtype = mysqli_real_escape_string($con,$_POST['p_regtype']);
        $roomcount =mysqli_real_escape_string($con,$_POST['p_roomcount']);
        $minprice = mysqli_real_escape_string($con,$_POST['p_minprice']);
        $maxprice = mysqli_real_escape_string($con,$_POST['p_maxprice']);
        $oname = mysqli_real_escape_string($con,$_POST['o_name']);
        $oemail = $_SESSION['email'];
        // $oemail = mysqli_real_escape_string($con,$_POST['o_email']);
        $ocontact = mysqli_real_escape_string($con,$_POST['o_contact']);

        // input property images
        $pic1 = $_FILES['p_pic1'];
        // image validation
        $pic1name = $pic1['name'];
        $pic1tmp = $pic1['tmp_name'];
        // extraction of the file extension
        $legal_extensions = array('png','jpg','jpeg');

        $extensionAr1 = explode('.',$pic1name);
        $extension1 = strtolower(end($extensionAr1));

        // check for match
        if(in_array($extension1,$legal_extensions)){
            $store_path_1 = 'img/upload/'.$pic1name;
            move_uploaded_file($pic1tmp,$store_path_1);
            // upload and insert in db query
            $insert_query = "insert into property
(pname,locality,landmark,city,state,pincode,regtype,roomcount,minprice,maxprice,on
ame,oemail,ocontact,pic1)
values('$pname','$locality','$landmark','$city','$state','$pincode','$regtype','$r
oomcount',$minprice,$maxprice,'$oname','$oemail','$ocontact','$store_path_1')";

            // execute query
            $query = mysqli_query($con,$insert_query);
            if($query){
                ?>
                <script>
                    alert("property registered successfully!");
                </script>
                <?php
            }else{
                ?>
                <script>
                    alert("unable to register:) please try again!!");
                </script>
                <?php
            }
        }
    }
}
```

```php
        ?>
```
```html
        <!-- property registration form frontend -->
        <section class="addproperty-container">
            <h1 class="welcome-heading">hello, <?php echo $_SESSION['name']; ?>!</h1>
            <hr>
            <div class="addproperty-form">
                <form action="" method="POST" enctype="multipart/form-data">
                    <div class="property-info">
                        <h3>property information</h3>
                        <div class="ipfield">
                            <label>property name:</label>
                            <input type="text" name="p_name" required>
                        </div>
                        <div class="ipfield">
                            <label>locality:</label>
                            <input type="text" name="p_locality" required>
                        </div>
                        <div class="ipfield">
                            <label>landmark:</label>
                            <input type="text" name="p_landmark" required>
                        </div>
                        <div class="ipfield">
                            <label>city:</label>
                            <input type="text" name="p_city" required>
                        </div>
                        <div class="ipfield">
                            <label>state:</label>
                            <input type="text" name="p_state" required>
                        </div>
                        <div class="ipfield">
                            <label>pincode:</label>
                            <input type="text" name="p_pincode" required>
                        </div>
                        <div class="ipfield">
                            <label>registration type:</label>
                            <select name="p_regtype" id="">
                                <option value="">--select--</option>
                                <option value="apartment">apartment</option>
                                <option value="hostel">hostel</option>
                                <option value="house">house</option>
                                <option value="office">office</option>
                                <option value="shop">shop</option>
                            </select>
                        </div>
                        <div class="ipfield">
                            <label>property type:</label>
                            <select name="p_roomcount" id="">
                                <option value="">--select--</option>
                                <option value="onebhk">1 BHK</option>
                                <option value="twobhk">2 BHK</option>
                                <option value="threebhk">3 BHK</option>
                            </select>
                        </div>
                        <div class="ipfield">
                            <label>min price:</label>
                            <input type="number" name="p_minprice" required>
                        </div>
                        <div class="ipfield">
                            <label>max price:</label>
```

```html
                        <input type="number" name="p_maxprice" required>
                    </div>
                </div>
                <div class="owner-info">
                    <h3>owner information</h3>
                    <div class="ipfield">
                        <label>name:</label>
                        <input type="text" name="o_name" value="<?php echo
$_SESSION['name']; ?>" required>
                    </div>
                    <div class="ipfield">
                        <label>email:</label>
                        <input type="email" name="o_email" value="<?php echo
$_SESSION['email']; ?>" required disabled>
                    </div>
                    <div class="ipfield">
                        <label>contact no:</label>
                        <input type="text" name="o_contact" value="<?php echo
$_SESSION['contact']; ?>" required>
                    </div>
                </div>
                <div class="property-image">
                    <h3>upload image</h3>
                  <div class="ipfield">
                        <label>image :</label>
                        <input class="img-upload" type="file" name="p_pic1"
required>
                    </div>
                    <!-- <div class="ipfield">
                        <label>image 2:</label>
                        <input class="img-upload" type="file" name="p_pic2"
required>
                    </div> -->
                </div>
                <div class="submit-reset">
                <input type="submit" name="submit" value="register">
                <input type="reset" name="reset">
                </div>
            </form>
        </div>
    </section>
    <?php include 'footer.php'; ?>
</body>
</html>
```
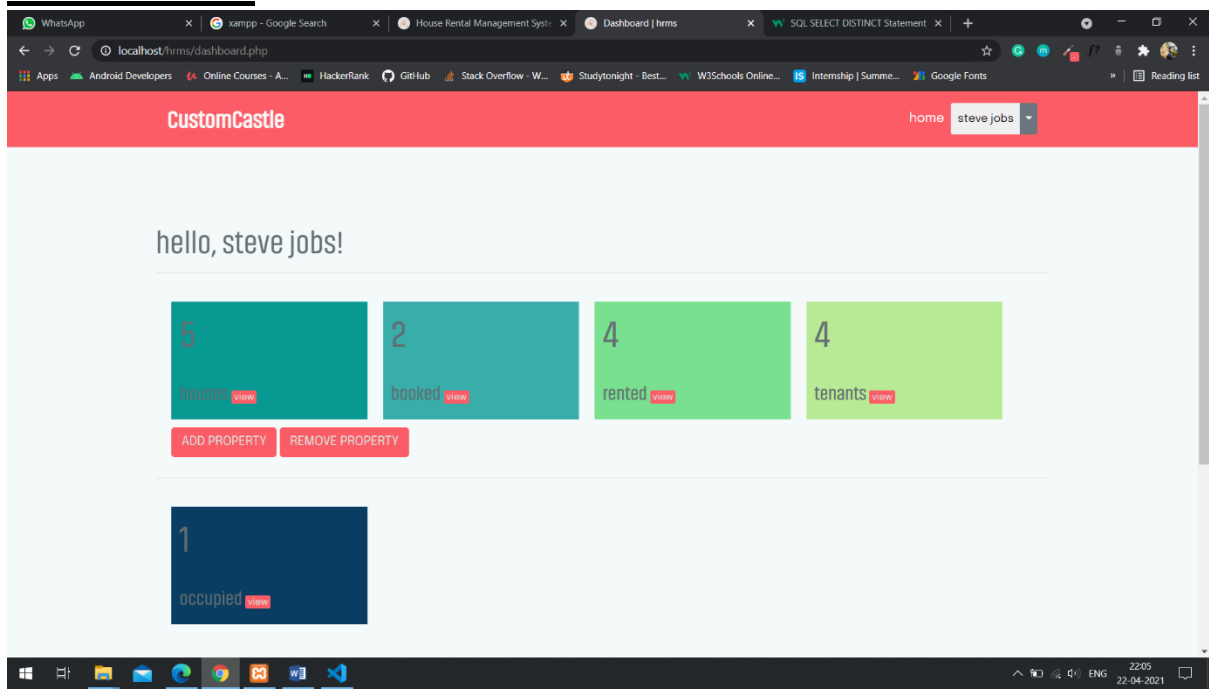
DashBoard:


```php
<?php
    session_start();

    if(!isset($_SESSION['email'])){
        header('location:login.php');
    }
 ?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Dashboard | hrms</title>
    <link rel="shortcut icon" href="img/icon.png" type="image/x-icon" />
    <?php include 'links.php'; ?>
    <link rel="stylesheet" href="css/style.css" />
    <link rel="stylesheet" href="css/dashboard.css">
</head>
<body class="dashboard-body">
    <header>
        <!-- navbar section begins -->
        <nav class="navbar navbar-expand-md">
            <div class="container">
                <a
                    href="index.php"
                    class="navbar-brand text-dark font-weight-bold"
                    >CustomCastle</a
                >
                <button
                    class="navbar-toggler"
                    type="button"
                    data-toggle="collapse"
                    data-target="#collapsenav"
                >
```

```html
                    <span>
                        <img
                            src="img/menuHamburger.svg"
                            width="35px"
                            height="35px"
                            alt="menu-hamberger-icon"
                        />
                    </span>
                </button>
                <div
                    class="collapse navbar-collapse text-center"
                    id="collapsenav"
                >
                    <ul class="navbar-nav ml-auto">
                        <li class="nav-item">
                            <a href="index.php" class="nav-link text-dark"
                                >home</a
                            >
                        </li>
                        <!-- <li class="nav-item">
                            <a
                                href="#about_us"
                                class="nav-link text-dark"
                                >about us</a
                            >
                        </li>
                        <li class="nav-item">
                            <a
                                href="#contact_us"
                                class="nav-link text-dark"
                                >contact us</a
                            >
                        </li>-->
                        <!-- <li class="nav-item">
                            <a
                                href="login.php"
                                class="nav-link text-dark"
                                >HELLO </a
                            >
                        </li> -->
                        <li class="nav-item signup">
                            <a
                                href="logout.php"
                                class="nav-link text-dark"
                                >logout</a
                            >
                        </li>
                    </ul>
                </div>
            </div>
        </nav>
        <!-- navbar ends -->
    </header>
    <!-- dashboard info from db -->
    <?php
        include 'connection.php';
        if($_SESSION['name']){
            $mail = $_SESSION['email'];
```

```php
            // select all rows
            $totalcountquery  = "select * from property where oemail = '$mail' ";
            $resultset = mysqli_query($con,$totalcountquery);
            $propertycount = mysqli_num_rows($resultset);

            // select the booked properties
            $bookedcountquery = "select * from property where oemail = '$mail' and
bstatus = 1 ";
            $bookedresult = mysqli_query($con,$bookedcountquery);
            $bookedcount = mysqli_num_rows($bookedresult);

            // select the rented properties
            $rentedcountquery = "select * from property where oemail = '$mail' and
temail IS NOT NULL";
            $rentedresult = mysqli_query($con,$rentedcountquery);
            $rentedcount = mysqli_num_rows($rentedresult);

            // select the number of tenants
            $tenantcountquery = "select distinct * from property where oemail =
'$mail' and temail IS NOT NULL";
            $tenantresult = mysqli_query($con,$tenantcountquery);
            $tenantcount = mysqli_num_rows($tenantresult);

            // select number of houses occupied
            $occupycountquery = " select * from property where temail = '$mail' ";
            $occupyresult = mysqli_query($con,$occupycountquery);
            $occupycount = mysqli_num_rows($occupyresult);
        }
    ?>
    <!-- main content starts -->
    <section class="dashboard-container">
        <h1 class="welcome-heading">hello, <?php echo $_SESSION['name']; ?>!</h1>
        <hr>
        <div class="owner-tools">
            <div class="houses">
                <h1>
                    <?php
                        echo $propertycount;
                    ?>
                </h1>
                <p>houses <span><a href="viewallproperty.php"
target="_blank">view</a></span></p>
            </div>
            <div class="booked">
                <h1><?php
                        echo $bookedcount;
                    ?></h1>
                <p>booked <span><a href="bookedproperty.php" target =
"_blank">view</a></span></p>
            </div>
            <div class="rented">
                <h1><?php
                        echo $rentedcount;
                    ?></h1>
                <p>rented <span><a href="rentedproperty.php" target =
"_blank">view</a></span></p>
            </div>
            <div class="tenants">
                <h1><?php
```
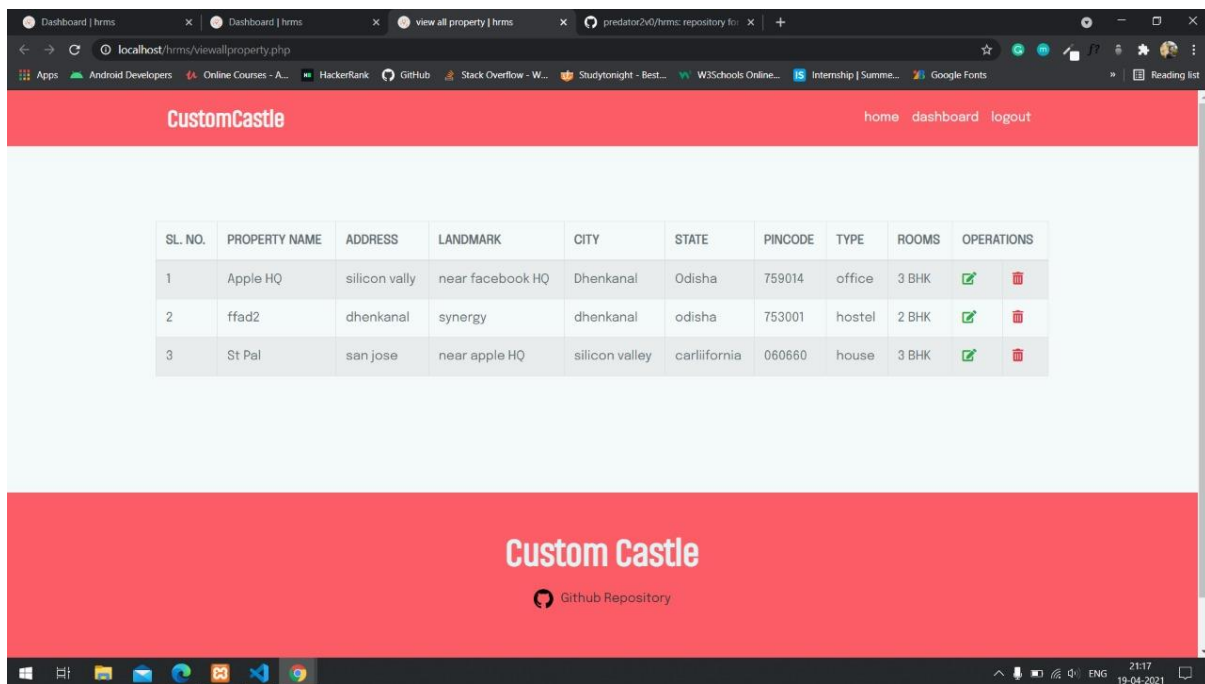
```
                echo $tenantcount
            ?></h1>
        <p>tenants <span><a href="viewtenants.php">view</a></span></p>
    </div>
    <div class="btn-container">
        <button class="btn add-btn" type="submit" name="addproperty"
onclick="window.open('addproperty.php')">add property</button>
        <button class="btn remove-btn" type="submit" name ="removeproperty"
onclick="window.open('viewallproperty.php')">remove property</button></div>
    </div>
    <hr>
    <div class="tenant-tools">
        <div class="occupied">
            <h1><?php
                    echo $occupycount
                ?></h1>
            <p>occupied <span><a href="viewoccupied.php">view</a></span></p>
        </div>
    </div>
</section>

<?php include 'footer.php'; ?>
</body>
</html>
```

Delete Property:


```php
<?php
    include 'connection.php';

    if($con){

        $delid = $_GET['id'];

        $delquery = "delete from property where id = $delid ";
        $delresponse = mysqli_query($con,$delquery);
```

```php
        if($delresponse){
            ?>
                <script>
                    alert("property deleted successfully!!");
                </script>
            <?php
        }else{
            ?>
                <script>
                    alert("unable to delete property!! try again later :)");
                </script>
            <?php
        }
        header('location:viewallproperty.php');
    }
?>
```

Update Property:


```php
<?php
    session_start();
    if(!isset($_SESSION['email'])){
        header('location:login.php');
    }
?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <?php include 'links.php'; ?>
    <title>update property | hrms</title>
    <link rel="shortcut icon" href="img/icon.png" type="image/x-icon">
    <link rel="stylesheet" href="css/style.css">
    <link rel="stylesheet" href="css/addproperty.css">
</head>
```

```html
<body class="addproperty-body">
    <header>
        <!-- navbar section begins -->
        <nav class="navbar navbar-expand-md">
            <div class="container">
                <a
                    href="index.php"
                    class="navbar-brand text-dark font-weight-bold"
                    >CustomCastle</a
                >
                <button
                    class="navbar-toggler"
                    type="button"
                    data-toggle="collapse"
                    data-target="#collapsenav"
                >
                    <span>
                        <img
                            src="img/menuHamburger.svg"
                            width="35px"
                            height="35px"
                            alt="menu-hamberger-icon"
                        />
                    </span>
                </button>
                <div
                    class="collapse navbar-collapse text-center"
                    id="collapsenav"
                >
                    <ul class="navbar-nav ml-auto">
                        <li class="nav-item">
                            <a href="index.php" class="nav-link text-dark"
                                >home</a
                            >
                        </li>
                        <!-- <li class="nav-item">
                            <a
                                href="#about_us"
                                class="nav-link text-dark"
                                >about us</a
                            >
                        </li>
                        <li class="nav-item">
                            <a
                                href="#contact_us"
                                class="nav-link text-dark"
                                >contact us</a
                            >
                        </li>-->
                        <li class="nav-item">
                            <a
                                href="dashboard.php"
                                class="nav-link text-dark"
                                >dashboard </a
                            >
```

```html
                    </li>
                    <li class="nav-item signup">
                        <a
                            href="logout.php"
                            class="nav-link text-dark"
                            >logout</a
                        >
                    </li>
                </ul>
            </div>
        </div>
    </nav>
    <!-- navbar ends -->
</header>
<!-- property registration form backend script [php] -->
```
```php
<?php
    include 'connection.php';
        $pid = $_GET['id'];
        $fetchpdata = "select * from property where id = {$pid}";
        $pdata = mysqli_query($con, $fetchpdata);

        $parray = mysqli_fetch_array($pdata);
    if($con){
        if(isset($_POST['submit'])){
                $updateid = $_GET['id'];
            // input all the details about property
            $pname = mysqli_real_escape_string($con,$_POST['p_name']);
            $locality = mysqli_real_escape_string($con,$_POST['p_locality']);
            $landmark = mysqli_real_escape_string($con,$_POST['p_landmark']);
            $city = mysqli_real_escape_string($con,$_POST['p_city']);
            $state = mysqli_real_escape_string($con,$_POST['p_state']);
            $pincode = mysqli_real_escape_string($con,$_POST['p_pincode']);
            $regtype = mysqli_real_escape_string($con,$_POST['p_regtype']);
            $roomcount =mysqli_real_escape_string($con,$_POST['p_roomcount']);
            $minprice = mysqli_real_escape_string($con,$_POST['p_minprice']);
            $maxprice = mysqli_real_escape_string($con,$_POST['p_maxprice']);
            $oname = mysqli_real_escape_string($con,$_POST['o_name']);
            $oemail = $_SESSION['email'];
            // $oemail = mysqli_real_escape_string($con,$_POST['o_email']);
            $ocontact = mysqli_real_escape_string($con,$_POST['o_contact']);
            $temail = mysqli_real_escape_string($con,$_POST['t_email']);

            if($temail != null){
                $rstatus = 1;
            }else{
                $rstatus = 0;
            }
            // input property images
            // $pic1 = $_FILES['p_pic1'];
            // $pic2 = $_FILES['p_pic2'];
            // // image validation
            // $pic1name = $pic1['name'];
            // $pic2name = $pic2['name'];
            // $pic1tmp = $pic1['tmp_name'];
            // $pic2tmp = $pic2['tmp_name'];
```

```php
            // // extraction of the file extension
            // $legal_extensions = array('png','jpg','jpeg');

            // $extensionAr1 = explode('.',$pic1name);
            // $extensionAr2 = explode('.',$pic2name);

            // $extension1 = strtolower(end($extensionAr1));
            // $extension2 = strtolower(end($extensionAr2));

            // // check for match
            // if(in_array($extension1,$legal_extensions) &&
in_array($extension2,$legal_extensions)){
            //      $store_path_1 = 'img/upload/'.$pic1name;
            //      $store_path_2 = 'img/upload/'.$pic2name;

            //      move_uploaded_file($pic1tmp,$store_path_1);
            //      move_uploaded_file($pic2tmp,$store_path_2);

                // upload and insert in db query
                // $insert_query = "insert into property
(pname,locality,landmark,city,state,pincode,regtype,roomcount,oname,oemail,ocontac
t,pic1,pic2)
values('$pname','$locality','$landmark','$city','$state','$pincode','$regtype','$r
oomcount','$oname','$oemail','$ocontact','$store_path_1','$store_path_2')";

                // update query
                $update_query = "update property set pname = '$pname',
locality = '$locality',landmark = '$landmark',city = '$city',state = '$state',
pincode = '$pincode',regtype = '$regtype',roomcount = '$roomcount',minprice =
$minprice,maxprice = $maxprice, oname = '$oname',oemail = '$oemail',ocontact =
'$ocontact',rstatus = $rstatus,temail='$temail' where id = $updateid ";
                // execute query
                $query = mysqli_query($con,$update_query);
                if($query){
                    ?>
                    <script>
                        alert("property updated successfully!");
                    </script>
                    <?php
                }else{
                    ?>
                    <script>
                        alert("unable to update:) please try again!!");
                    </script>
                    <?php
                }
            // }

        }
    }
    ?>
    <!-- property registration form frontend -->
    <section class="addproperty-container">
        <h1 class="welcome-heading">hello, <?php echo $_SESSION['name']; ?>!</h1>
```

```html
            <hr>
        <div class="addproperty-form">
            <form action="" method="POST" enctype="multipart/form-data">
                <div class="property-info">
                    <h3>property information</h3>
                    <div class="ipfield">
                        <label>property name:</label>
                        <input type="text" name="p_name" value="<?php echo
$parray['pname']; ?>" required>
                    </div>
                    <div class="ipfield">
                        <label>locality:</label>
                        <input type="text" name="p_locality" value="<?php echo
$parray['locality']; ?>" required>
                    </div>
                    <div class="ipfield">
                        <label>landmark:</label>
                        <input type="text" name="p_landmark" value="<?php echo
$parray['landmark']; ?>" required>
                    </div>
                    <div class="ipfield">
                        <label>city:</label>
                        <input type="text" name="p_city" value="<?php echo
$parray['city']; ?>" required>
                    </div>
                    <div class="ipfield">
                        <label>state:</label>
                        <input type="text" name="p_state" value="<?php echo
$parray['state']; ?>" required>
                    </div>
                    <div class="ipfield">
                        <label>pincode:</label>
                        <input type="text" name="p_pincode" value="<?php echo
$parray['pincode']; ?>" required>
                    </div>
                    <div class="ipfield">
                        <label>registration type:</label>
                        <select name="p_regtype" id=""  >
                            <option value="<?php echo $parray['regtype']; ?>">
                                <?php echo $parray['regtype']; ?>
                            </option>
                            <option value="apartment">apartment</option>
                            <option value="hostel">hostel</option>
                            <option value="house">house</option>
                            <option value="office">office</option>
                            <option value="shop">shop</option>
                        </select>
                    </div>
                    <div class="ipfield">
                        <label>property type:</label>
                        <select name="p_roomcount" id="">
                            <option value="<?php echo $parray['roomcount']; ?>">
                                <?php
                                    if($parray['roomcount'] == 'onebhk'){
                                        echo "1 BHK";
```

```php
                                }
                                if($parray['roomcount'] == 'twobhk'){
                                    echo "2 BHK";
                                }
                                if($parray['roomcount'] == 'threebhk'){
                                    echo "3 BHK";
                                }
                            ?>

                        </option>
                        <option value="onebhk">1 BHK</option>
                        <option value="twobhk">2 BHK</option>
                        <option value="threebhk">3 BHK</option>
                    </select>
                </div>
                <div class="ipfield">
                    <label>min price:</label>
                    <input type="number" name="p_minprice" value="<?php echo
$parray['minprice']; ?>" required>
                </div>
                <div class="ipfield">
                    <label>max price:</label>
                    <input type="number" name="p_maxprice" value="<?php echo
$parray['maxprice']; ?>" required>
                </div>

            </div>
            <div class="owner-info">
                <h3>owner information</h3>
                <div class="ipfield">
                    <label>name:</label>
                    <input type="text" name="o_name" value="<?php echo
$_SESSION['name']; ?>" required>
                </div>
                <div class="ipfield">
                    <label>email:</label>
                    <input type="email" name="o_email" value="<?php echo
$_SESSION['email']; ?>" required disabled>
                </div>
                <div class="ipfield">
                    <label>contact no:</label>
                    <input type="text" name="o_contact" value="<?php echo
$_SESSION['contact']; ?>" required>
                </div>
            </div>
            <div class="owner-info">
                <h3>tenant information</h3>
                <div class="ipfield">
                    <label>email:</label>
                    <input type="email" name="t_email" value="<?php echo
$parray['temail']; ?>">
                </div>
            </div>
            <!-- <div class="property-image">
                <h3>upload image</h3>
```

```
                <div class="ipfield">
                    <label>image 1:</label>
                    <input class="img-upload" type="file" name="p_pic1" >
                </div>
                <div class="ipfield">
                    <label>image 2:</label>
                    <input class="img-upload" type="file" name="p_pic2" >
                </div> -->
            </div>
            <div class="submit-reset">
            <input type="submit" name="submit" value="update">
            <input type="reset" name="reset">
            </div>
        </form>
    </div>
</section>
<?php include 'footer.php'; ?>
</body>
</html>
```

TESTING

- Software testing is an investigation conducted to provide stakeholders with information about the quality of the software product or service under test.
- Software testing can also provide an objective, independent view of the software to allow the business to appreciate and understand the risks of software implementation.
- Test techniques include the process of executing a program or application with the intent of finding failures, and verifying that the software product is fit for use.

Manual Testing

- Manual testing is a software testing process in which test cases are executed manually without using any automated tool.
- All test cases executed by the tester manually according to the end user's perspective.
- It ensures whether the application is working, as mentioned in the requirement document or not.

Types of Manual Testing

1. White box testing
- The white box testing is done by Developer, where they check every line of a code before giving it to the Test Engineer.
- Since the code is visible for the Developer during the testing, that's why it is also known as White box testing.

2. Black box testing
- The black box testing is done by the Test Engineer, where they can check the functionality of an application or the software according to the customer /client's needs.
- In this, the code is not visible while performing the testing; that's why it is known as black-box testing.

3. Gray box testing
- Gray box testing is a combination of white box and Black box testing.
- It can be performed by a person who knew both coding and testing.
- If the single person performs white box, as well as black-box testing for the application, is known as Gray box testing.

ADVANTAGES

- This system will save both time and resources.
- This will increase the efficiency of current rental system.
- It will provide all registered locations to tenant and multiple tenants to the landlord.
- Quick deal.
- Direct communication between tenant and owner.

LIMITATIONS

- Difficult to trace the past records of a tenants if a owner asks criminal record verification before renting.
- Difficult to find out the proper location as no map has been added in this website.

CONCLUSION

- This is a service which will connect tenants to house owners and vice-versa.
- It will save the physical hard work and invaluable time to find room/flat.
- This system will make easy to find house for tenant and upload the location and other information by owner.

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