

# **VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

**"Jnana Sangama", Belgaum-590014**



A Mini Project Report on  
**HOME RENTAL MANAGEMENT SYSTEM**

Submitted to

**Visvesvaraya Technological University**

In the partial fulfilment of requirements for the award of  
degree

**BACHELOR OF ENGINEERING**

**IN**

**INFORMATION SCIENCE AND ENGINEERING**

**BY**

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**2021-22**

# CANARA ENGINEERING COLLEGE

BENJANAPADAVU -574219

2021-2022

## Department of Information Science and Engineering



### CERTIFICATE

This is to certify that the mini project work entitled "**HOME RENTAL MANAGEMENT SYSTEM**" is a bona fide work carried out by **Mr. SURAJ RAO** bearing USN **4CB19IS056** & **Mr. SUSHANTH D U** bearing USN **4CB19IS058**, the bona fide students of **Canara Engineering College** in partial fulfillment for the award of degree of Bachelor of Engineering in Information Science and Engineering under the **Visvesvaraya Technological University, Belagavi** during the year **2021-2022**. It is verified that all corrections/suggestions indicated for internal assessment have been incorporated in the report and a copy has been deposited in the department library. The mini project report has been approved as it satisfies all the academic requirements in respect of mini project work prescribed by the Bachelor of Engineering Degree.

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## **Abstract**

We are stuck with technology when what we really want is just stuff that works. With the current paradigm shift in technological field, there is an urgent need to embrace and appreciate the power of technology. Housing sector remains vigilant to face the challenges of change by employing a new strategy that facilitates easy management of rental houses. Hence there is need to develop a rental house management system that can simplify work for the rental managers so that all their work can be efficient and effective. The Rental Management System is Searching in Based on the Apartment Paying Guest, Office, House in metropolitan cities. The Rental Management System is Based on the Owners and the Customers. The Owner is updated on the Apartment, Office details, House, Paying Guest details.

The Customer is details about the Room space, Room rent and the Address Details also. The Rental Management System is best Suitable the owners because time save and the only contact and the eligible person and there is no need to explain the room details on the speak. The Rental Management System is best application in the city place The customer contact and the easily search and the suitable place of Apartment, Office, PG, House and based the Money, Limit Person is based on the suitable house. The Rental Management System is save the time also. The Rental Management System is used to easily identify the suitable place in Save time, cost also. The Rental Management System is best way to search the house, Apartment office, Paying Guest. Hence this system is best applicable for the above reasons making House rental an easy process.

## **ACKNOWLEDGEMENT**

A successful and satisfactory completion of any significant task is the outcome of valuable aggregate combination of different people in radial direction explicitly and implicitly. We have been lucky to have received a lot of help and support from our lecturers during the making of this mini project, we would therefore take the opportunity to thank and express our gratitude to all those without whom the completion of our mini project would not be possible.

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We consider it's privilege and honor to express our sincere gratitude to our mini project guide Mr. Ranganatha K and Mrs. Sadhana Rai for guiding and improving our knowledge towards this work.

### **Name and USN of students**

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# CHAPTER 1

## INTRODUCTION

### 1. INTRODUCTION

We are stuck with technology when what we really want is just stuff that works. With the current paradigm shift in technological field, there is an urgent need to embrace and appreciate the power of technology. Housing sector remains vigilant to face the challenges of change by employing a new strategy that facilitates easy management of rental houses.

#### 1.1. PROBLEM STATEMENT

House Rental is a house/Apartment/home that can be used temporarily for a fee during a specified period. The individual who needs a house must contact a rental home company and contract out for a room/home/apartment. This system increases customer retention and simplify House and staff management.

#### 1.2.PURPOSE

The advancement in Information Technology and internet penetration has greatly enhanced various business processes and communication between companies (services provider) and their customers of which Real Estate/House Rentals industry is not left out. This House Rental System is developed to provide the following services:

- Enhance Business Processes: To be able to use internet technology to project the rental company to the global world instead of limiting their services to their local domain alone, thus increase their return on investment.
- Online House/Room Booking: A tools through which customers can book available Rooms/House/Apartment online prior to their date of using the house instead of walking around and asking for a vacant house.

Customer's registration: A registration portal to hold customer's details, monitor their transaction and used same to offer better and improve services to them and user account where he/she can view her/his details instead of the poor existing systems where only the administrators control their customer details.

### **1.3. OBJECTIVES**

- To produce a web-based system that allow customer to register and reserve houses online and for the company to effectively manage their House rental business.
- To ease customer's task whenever they need to rent a house.
- To Transform the manual process of renting a house to an online and computerized system
- To validate the house rental system using user feedback and testimonies
- To produce the documentation such as Software Requirement specification, Software Design Description and Software Development Reference.

### **1.4. SCOPE**

This project traverses a lot of areas ranging from business concept to computing field, and required to perform several researches to be able to achieve the project objectives. The area covers include:

- Real Estate Company: This includes study on how the Real Estate business is being done, process involved and opportunity that exist for improvement.
- PHP Technology used for the development of the application.
- General customers as well as the company's staff will be able to use the system effectively.
- Web-platform means that the system will be available for access 24/7 except when there is a temporary server issue which is expected to be minimal.
- Existing Systems: This involves studying the existing systems and learning their weakness hence developing a new system to cater for the challenges the local and world domains faces when dealing with house rental issues.

### **1.5. EXPECTED OUTCOME**

Our system will be a service which will connect renters to owner and vice-versa

It will save the physical hard work and invaluable time to find room/flat.

It will save resources for search the rooms/flats

## CHAPTER 2

### REQUIREMENT SPECIFICATION

Requirement analysis is one of the important process in the software engineering cycles. In this process the requirements needed to implement the project are decided taking into account the various demands of the stakeholders. The requirements should be documented, actionable, measurable, testable, traceable, related to identified business needs or opportunities, and defined to a level of detail sufficient for system design.

**Software Requirement Specification (SRS)** is complete specification and description of requirements of software that needs to be fulfilled for successful development of software system, these requirements can be functional as well as non-requirements depending upon type of requirement. The interaction between different customers and contractor is done because it's necessary to fully understand the needs of customers.

#### 2.1 HARDWARE AND SOFTWARE REQUIREMENTS

The Hardware requirements of our project are:

- Processor                         Pentium-II or higher
- Processor Speed                 533 MHZ
- Hard Disk Space                 20 GB or more
- Ram Memory                     32 MB (64 MB recommended)

A laptop/desktop pc consisting of minimum 2gb of ram and is powered by i3 or higher processors from Intel or ryzen3 or higher processor from AMD is required in order to run the project without any issue. A Storage of 64 GB is required to have a working windows system and is also able to run the project.

The software requirements of our project are :

Operating System	Windows 95/98/NT/2000 /10/7/8
Database Server	MySql /XAMP/WAMP
Front end	PHP
Text Editor	Notepad++

### **BACK END**

Back end development refers to the server side of an application and everything that communicates between the database and the browser.

**MySQL:** MySQL is an open-source relational database management system (RDBMS).It is the most popular database system used with PHP. MySQL is developed, distributed, and supported by Oracle Corporation.

### **SERVER**

**XAMPP server:** XAMPP is a free and open-source cross-platform web server solution stackpackage developed by Apache Friends, consisting mainly of the Apache HTTP Server, MariaDB database, and interpreters for scripts written in the PHP and Perl programming languages. XAMPP helps a local host or server to test its website and clients via computersand laptops before releasing it to the main server.

## CHAPTER 3

# SYSTEM DESIGN

### 3.1. SYSTEM ARCHITECTURE

An architectural diagram is a diagram of a system that is used to abstract the overall outline of the software system and the relationships, constraints, and boundaries between components. It is an important tool as it provides an overall view of the physical deployment of the software system and its evolution roadmap.

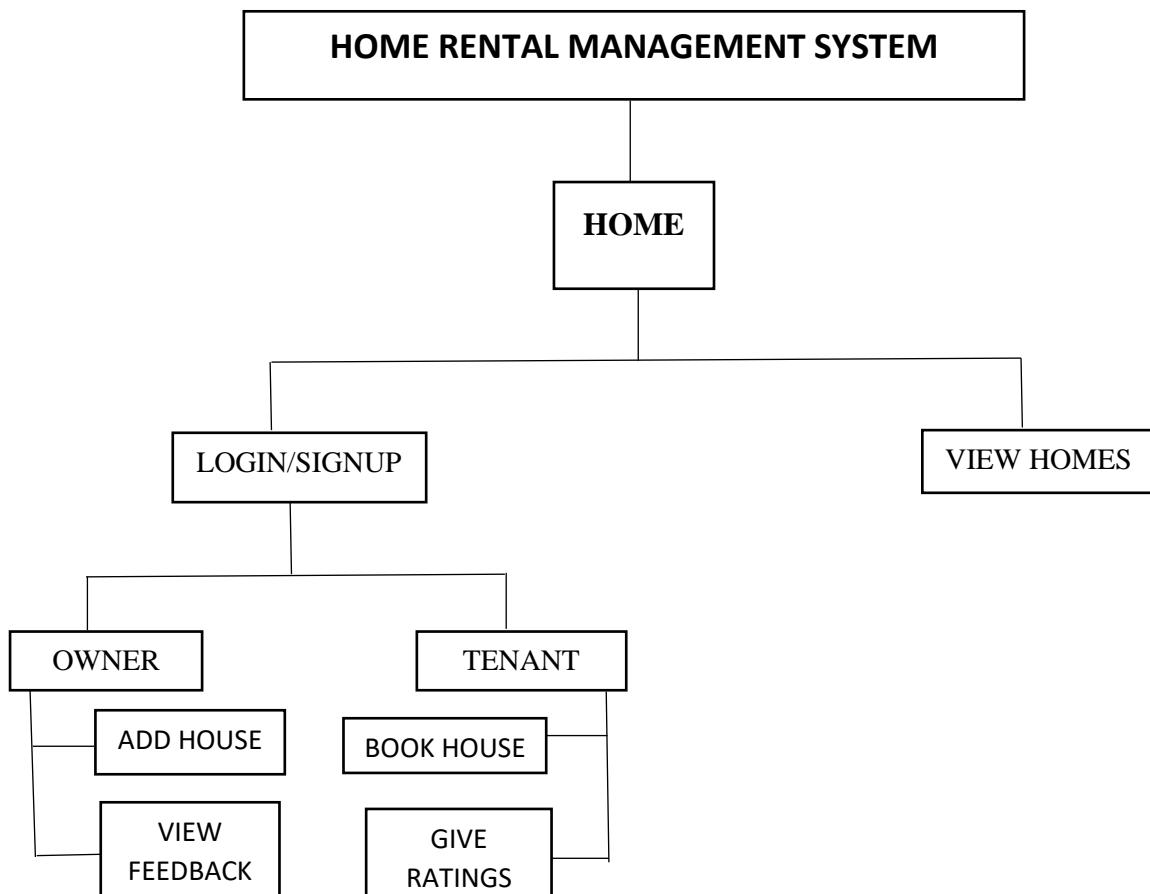


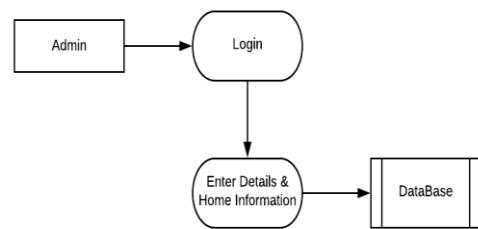
Figure 3.1 System Architecture

### 3.2. DATA FLOW DIAGRAM

Level 0:



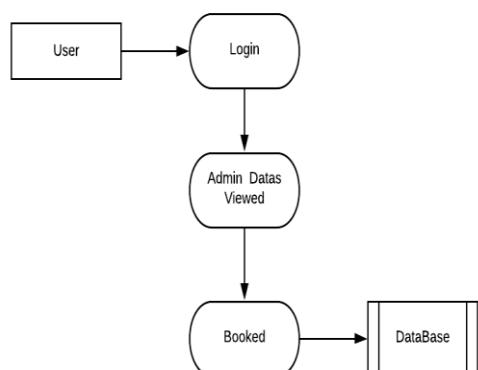
Level 1:



Level 2:



Level 3:



Level 4:

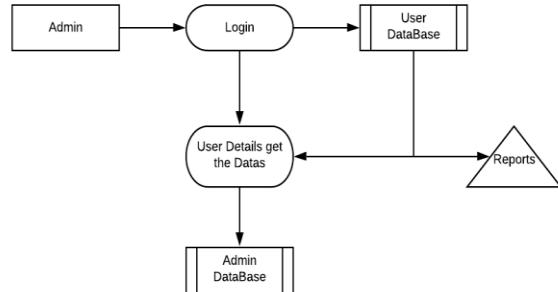


Figure 3.2 4 Levels of Data Flow Diagram

A data flow diagram (DFD) is a graphical representation of the "flow" of data through an information system, modelling its process aspects. A DFD is often used as a preliminary step to create an overview of the system without going into great detail, which can later be given. DFDs can also be used for the visualization of data processing (structured design). A DFD shows what kind of information will be input to and output from the system, how the data will advance through the system, and where the data will be stored. It does not show contents about process timing or whether processes will operate in sequence or in parallel, unlike a traditional structured flowchart which focuses on control flow, or a UML activity workflow diagram, which presents both control and data flows as a unified model.

## HOME RENTAL MANAGEMENT SYSTEM

### 3.3 ENTITY RELATIONSHIP DIAGRAM

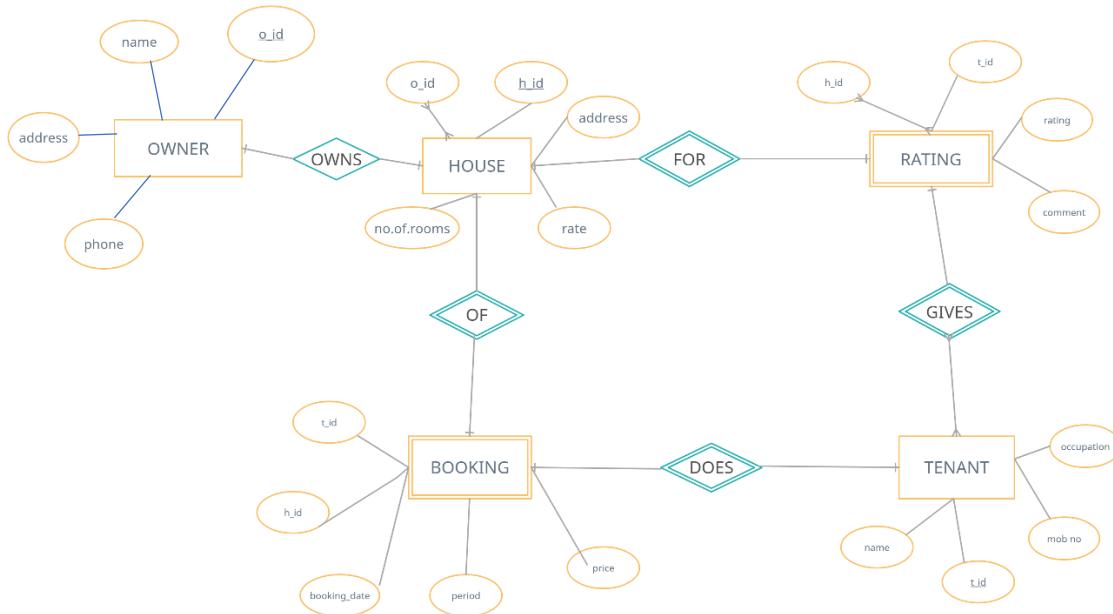


Figure 3.3 E-R diagram

An Entity-relationship diagram is a data modelling technique that graphically illustrates an information system's entities and the relationship between those entities. An E-R diagram is a conceptual and representational model of data used to represent the entity framework infrastructure. In the current Bus Ticket management System E-R diagram there are various entities such as Bus, Route, Available Bus route, Users, Rating, Booked Ticket, Sign UpToDate, and there are various relationships like Has, Goes on, Books on details.

## 3.4 RELATIONAL SCHEMA DIAGRAM

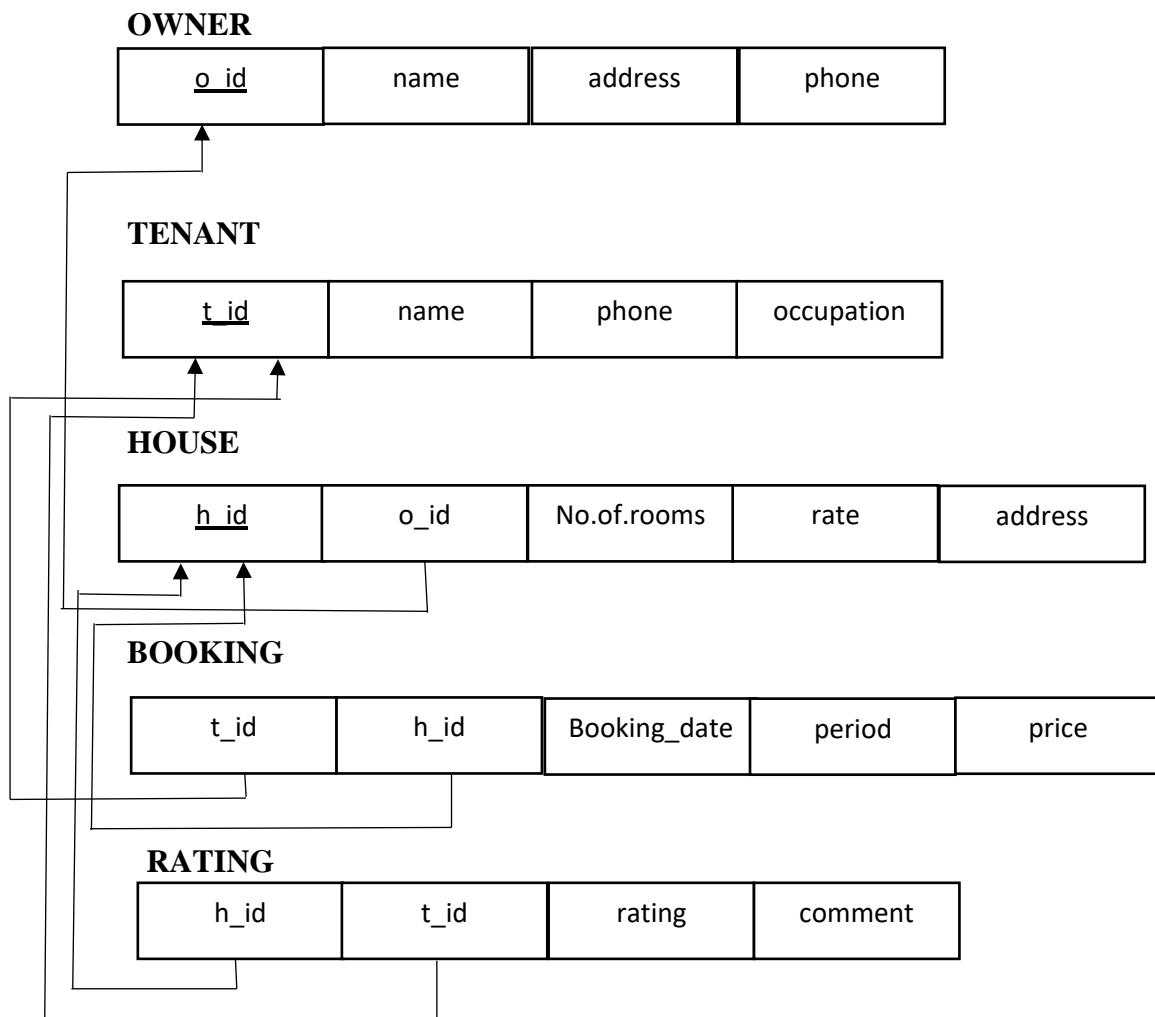


Figure 3.4 Relation Schema Diagram

A database schema is the skeleton structure that represents the logical view of the entire database. It defines how the data is organized and how the relations among them are associated. It formulates all the constraints that are to be applied on the data. It defines table, views and integrity constraints. In particular, with respect to the Bus ticket management system how the various relationships like Books on, Has, Gives details. Are related to the various entities such as Bus Route, Available Bus route, Sign UpToDate, Booked ticket, Rating.

## 3.5 CLASS DIAGRAM

A Class diagram in the Unified Modeling Language is a type of static structure diagram that describes the structure of a system by showing the system's classes, their attributes, operations, and the relationships among objects.

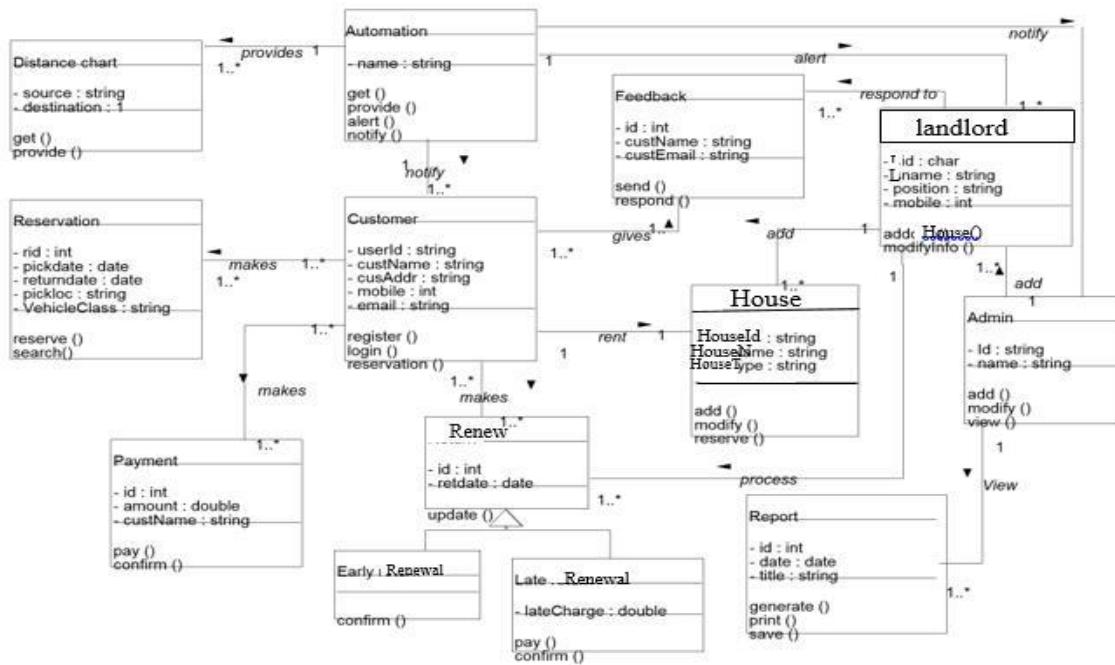


Figure 3.5 Class Diagram

# CHAPTER 4

## IMPLEMENTATION

### 4.1 BACK END CODE

#### OWNER SIGNUP CODE :

Back end

```

1  <?php
2  session_start();
3  include("connection.php");
4  $name=$_GET['f'];
5  $email=$_GET['e'];
6  $pwd=$_GET['p'];
7  $mob=$_GET['m'];
8  $occ=$_GET['o'];
9  $nhouse=$_GET['n'];
10 $country=$_GET['c'];
11 $state=$_GET['s'];
12 $city=$_GET['ci'];
13 $add=$_GET['a'];
14
15 if($_GET['submit'])
16 {
17     if($name!="" && $email!="" && $pwd!="" && $mob!="")
18     {
19         $query="insert into owner(name,email,pwd,mobile_no,occupation,no_of_houses,country,state,city,address) values('$name','$email','$pwd','$mob','$occ','$nhouse','$country','$state','$city','$add')";
20         $data=mysqli_query($conn,$query);
21         if($data)
22         {
23             $_SESSION['uname']=$name;
24             header('location:home.php');
25         }
26         else
27         {
28             echo "<script type='text/javascript'>alert('Sign up unsuccessful')</script>";
29             window.location.href='index.html';
30         }
31     }
32 }
33
34 }
35 ?>
```

Front end

```

1  <html>
2  <head>
3  |   <link rel="stylesheet" type="text/css" href="signup.css">
4  |   <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css" integrity="sha384-Vkoo8XK+icPzL�fH+OvTj9hB6jtPZ07zqJNcA=" crossorigin="anonymous">
5  |   <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
6  |   <br>
7  |   <body>
8  |       <center>
9  |           <br>
10 |           <div class="card" style="width: 23rem; border-radius: 25px; background-color: #f0f5f5">
11 |               <br>
12 |               <div class="card-body">
13 |                   <h1 class="card-title" style="text-align: center"><b>Sign Up Here</b></h1>
14 |                   <form name="Form2" action="ownersignup.php" method="get">
15 |                       <table>
16 |                           <tr>
17 |                               <td><b>Name: </b></td>
18 |                               <td> <input type="text" name="f" value="" size=25></td>
19 |                           </tr>
20 |                           <tr>
21 |                               <td><b>Email: </b></td>
22 |                               <td> <input type="email" name="e" value="" size=25></td>
23 |                           </tr>
24 |                           <tr>
25 |                               <td><b>Password: </b></td>
26 |                               <td> <input type="password" name="p" pattern="(?=.*\d)(?=.*[a-zA-Z]).{7,}" title="Minimum of 7 characters. Should have at least one digit and one letter."></td>
27 |                           </tr>
28 |                           <tr>
29 |                               <td><b>Mobile No: </b></td>
30 |                               <td> <input type="number" name="m" pattern="[6789][0-9]{9}" title="Please enter valid phone number"></td>
31 |                           </tr>
32 |                           <tr>
33 |                               <td><b>Occupation: </b></td>
34 |                               <td> <input type="text" name="o" value="" size=25></td>
35 |                           </tr>
36 |                           <tr>
37 |                               <td><b>Number Of Houses: </b></td>
38 |                           </tr>
39 |                       </table>
40 |                   </form>
41 |               </div>
42 |           </div>
43 |       </center>
44 |   </body>
45 |</html>
```

# HOME RENTAL MANAGEMENT SYSTEM

## TENANT SIGNUP CODE:

### Back end

```
1 <?php
2 session_start();
3 include('connection.php');
4 $fname=$_GET['f'];
5 $lname=$_GET['l'];
6 $email=$_GET['e'];
7 $pwd=$_GET['p'];
8 $mob=$_GET['m'];
9 $occ=$_GET['o'];
10
11 if($_GET['submit'])
12 {
13     if($fname!="" && $lname!="" && $email!="" && $pwd!="" && $mob!="" && $occ!="")
14     {
15         $query="insert into tenant(fname,lname,email,pwd,mobile_no,occupation) values('$fname','$lname','$email','$pwd','$mob','$occ')";
16         $data=mysqli_query($conn,$query);
17         if($data)
18         {
19             $_SESSION['uname']=$fname;
20             header('location:home.php');
21         }
22         else
23         {
24             echo "<script type='text/javascript'>alert('Sign up unsuccessfull')</script>";
25             window.location.href='index.html';
26         }
27     }
28 }
29
30 }
31
32 ?>
```

### Front end

```
1 <html>
2 <head>
3     <link rel="stylesheet" type="text/css" href="signup.css">
4     <link rel="stylesheet" type="text/css" href="signup.css">
5     <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css" integrity="sha384-Vkoo8XCGsO3+HhxW" crossorigin="anonymous">
6     <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
7
8 </head>
9 <body>
10 <center>
11 <br>
12 <div class="card" style="width: 23rem; border-radius: 25px; background-color: #f0f5f5">
13     <br>
14     <div class="card-body">
15         <h1 class="card-title" style="text-align: center"><b>Sign Up Here</b></h1><br>
16         <form name="Form2" action="tenantsignup.php" method="get">
17             <h2>Sign Up</h2>
18
19             <table>
20                 <tr>
21                     <td><b>First Name:</b></td>
22                     <td> <input type="text" name="f" value="" size=25></td>
23                 </tr>
24                 <tr>
25                     <td><b>Last Name:</b></td>
26                     <td> <input type="text" name="l" value="" size=25></td>
27                 </tr>
28                 <tr>
29                     <td><b>Email:</b></td>
30                     <td> <input type="email" name="e" value="" size=25></td>
31                 </tr>
32                 <tr>
33                     <td><b>Password:</b></td>
34                     <td> <input type="password" name="p" pattern="(?=.*\d)(?=.*[^\w]).{7,}" title="Minimum of 7 characters. Should have at least one digit and one non-word character."></td>
35                 </tr>
36                 <tr>
37                     <td><b>Mobile No:</b></td>
38                     <td><input type="text" name="m" pattern="[\d]{10}" title="Please enter valid phone number"></td>
39                 </tr>
40             </table>
41         </form>
42     </div>
43 </div>
44 </body>
45 </html>
```

## DATABASE CONNECTIVITY :

```
1 <?php
2 $servername="localhost";
3 $username="root";
4 $password="";
5 $dbname="house_rental";
6 $conn= mysqli_connect($servername,$username,$password,$dbname);
7 if(!$conn)
8 {
9     die("Connection failed because".mysqli_connect_error());
10 }
11 ?>
```

# HOME RENTAL MANAGEMENT SYSTEM

## SIGN IN CODE :

### Back end

```
1 <?php
2 session_start();
3 include("connection.php");
4 if(isset($_GET['u'])){
5
6     $uname=$_GET['u'];
7     $password=$_GET['p'];
8     $loginas=$_GET["l"];
9
10
11    if($loginas=="tenant")
12    {
13        $sql="select * from tenant where email='".$uname."' AND pwd='".$password."' limit 1";
14
15        $result=mysqli_query($conn,$sql);
16
17    if(mysqli_num_rows($result)==1){
18        $query="select fname from tenant where email='".$uname."' AND pwd='".$password."' limit 1";
19        $res=mysqli_query($conn,$query);
20        $data=mysqli_fetch_assoc($res);
21        $name=$data['fname'];
22        $_SESSION['uname']=$name;
23        $_SESSION['ltype']=$loginas;
24        header('location:home.php');
25    }
26    else{
27        echo "<script type='text/javascript'>alert('You Have Entered Incorrect Details! Login Failed')</script>";
28        window.location.href='index.html';
29    }
30}
31
32 else
33 {
34    $sql="select * from owner where email='$uname' AND pwd='$password' limit 1";
35
36    $result=mysqli_query($conn,$sql);
37    $data=mysqli_num_rows($result);
38    if(mysqli_num_rows($result)==1){
39        $query="select name from owner where email='$uname' AND pwd='$password' limit 1";
40        $res=mysqli_query($conn,$query);}
```

### Front end

```
1 <html>
2   <head>
3     <title>Sign In</title>
4     <link rel="stylesheet" type="text/css" href="signin.css">
5     <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css" integrity="sha384-Vkoo8x4CGsO3+Hhxv8T/QMzK4o7hQKqfClu003+vNxq6VghcNgfwlvN4d6hNtFg" crossorigin="anonymous">
6     <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
7
8   </head>
9
10  <body>
11    <div class="container" align="left">
12      <div class="card" style="width: 23rem; border-radius: 25px; background-color: #f0f5f5">
13        <br>
14        <div class="card-body">
15          <h1 class="card-title" align="left"><b>Sign In Here</b></h1>
16          <form name="form1" action="signin.php" method="get">
17            <table align="left">
18              <tr>
19                <td><b>Email:</b></td>
20                <td> <input type="email" name="u" value="" size=25></td>
21              </tr>
22            <br>
23            <tr>
24              <td><b>Password:</b></td>
25              <td> <input type="password" name="p" value="" size=25></td>
26            </tr>
27            <br>
28            <tr>
29              <td><b>Sign In as:</b></td>
30              <td> <select name="l" size="1">
31                <option value="owner">Owner</option>
32                <option value="tenant">Tenant</option>
33              </select></td>
34            <br>
35            </table>
36            <br><br>
37            <center>
38              <br>
39              <input type="submit" value="Sign In" class="btn btn-primary" id=""><br>
40            </center>
```

# HOME RENTAL MANAGEMENT SYSTEM

## BOOKING CODE :

```
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <title>House Rental Management System</title>
5     <meta charset="utf-8">
6     <link rel="stylesheet" type="text/css" href="table.css">
7     <meta name="viewport" content="width=device-width, initial-scale=1">
8     <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.0/css/bootstrap.min.css">
9     <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
10    <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.0/js/bootstrap.min.js"></script>
11  </head>
12  <body>
13  <nav class="navbar navbar-inverse">
14    <div class="container-fluid">
15      <div class="navbar-header">
16        <button type="button" class="navbar-toggle" data-toggle="collapse" data-target="#myNavbar">
17          <span class="icon-bar"></span>
18          <span class="icon-bar"></span>
19          <span class="icon-bar"></span>
20        </button>
21        <a class="navbar-brand" href="#">House Rental Management System</a>
22      </div>
23      <div class="collapse navbar-collapse" id="myNavbar">
24        <ul class="nav navbar-nav">
25          <li class="active"><a href="home.php">Home</a></li>
26          <li class="dropdown">
27            <a class="dropdown-toggle" data-toggle="dropdown" href="#">Houses <span class="caret"></span></a>
28            <ul class="dropdown-menu">
29              <li><a href="houses.php">Houses</a></li>
30              <li><a href="rating.php">Rating</a></li>
31            </ul>
32          </li>
33          <li><a href="owner.php">Owners</a></li>
34          <li class="dropdown">
35            <a class="dropdown-toggle" data-toggle="dropdown" href="#">Tenants<span class="caret"></span></a>
36            <ul class="dropdown-menu">
37              <li><a href="tenant.php">Tenants</a></li>
38              <li><a href="members.php">Members</a></li>
39            </ul>
40          </li>
41        </ul>
42      </div>
43    </div>
44  </nav>
```

## ADD HOUSE CODE :

```
1 <?php
2 session_start();
3 include("connection.php");
4 $ownerid=$_GET["o"];
5 $nrooms=$_GET["n"];
6 $rate=$_GET["ra"];
7 $pics=$_GET["u"];
8 $country=$_GET["c"];
9 $state=$_GET["s"];
10 $city=$_GET["city"];
11 $add=$_GET["a"];
12 $desc=$_GET["de"];
13 /*$folder="house/";
14 $_FILES["p"];
15 $pics= "images/".$_FILES['p']['name'];*/
16
17 if($_GET['submit']){
18   if($ownerid!="" && $nrooms!="" && $desc!="")
19   {
20     // $pics = addslashes(file_get_contents($_FILES["p"]["tmp_name"]));
21     /*
22     //you keep your column name setting for insertion. I keep image type Blob.
23     $query = "INSERT INTO products (id,image) VALUES('','$image')";
24     $qry = mysqli_query($conn, $query);
25
26 // $image = addslashes(file_get_contents($_FILES['$pics']));
27
28
29
30
31     $query="insert into house(owner_id,no_of_rooms,rate,pics,country,state,city,address,description) values('$ownerid','$nrooms','$rate','$desc','$pics','$country','$state','$city','$add','$desc')";
32     $data=mysqli_query($conn,$query);
33
34     if($data)
35     {
36       echo "<script type='text/javascript'>alert('Added successfully')</script>";
37       window.location.href='houses.php';
38     }
39   }
40 }
```

# HOME RENTAL MANAGEMENT SYSTEM

## TRIGGERS

A trigger is a special type of stored procedure that automatically executes when an event occurs in the database server.

The screenshot shows the phpMyAdmin interface for the 'house\_rental' database. In the left sidebar, under the 'Tables' section, there are three triggers listed: 'deletelog', 'insertlog', and 'updateLog'. The 'deletelog' trigger is selected, and its details are shown in the main panel. A modal window titled 'Export of trigger `deletelog`' displays the SQL code for the trigger:

```
1 CREATE TRIGGER `deletelog` AFTER DELETE ON `house`
2 FOR EACH ROW INSERT INTO logs
VALUES(null,old.id,"deleted",now())
```

## STORED PROCEDURES

Stored procedures in SQL Server can accept input parameters and return multiple values of the output parameters; in SQL Server, stored procedures program statements to perform operations in the database and return a status value to calling procedure. Stored procedures are faster than SQL Queries is only partially true. Stored procedure allows faster execution.

The screenshot shows the phpMyAdmin interface for the 'house\_rental' database. A stored procedure named 'getbooking' has been called. The execution results show a table with one column 'booking\_date' containing the following values:

booking_date
2019-11-10
2019-12-20
2020-01-23
2019-07-08
2017-05-02
2019-12-25
2022-01-16
2022-01-17

An 'Export of routine `getbooking`' modal window is open, displaying the SQL code for the procedure:

```
1 DELIMITER $$ 
2 CREATE DEFINER='root'@'localhost' PROCEDURE 
`getbooking`()
3 SELECT booking_date from booking$$
4 DELIMITER ;
```

# CHAPTER 5

## RESULT ANALYSIS

### 5.1. Home page

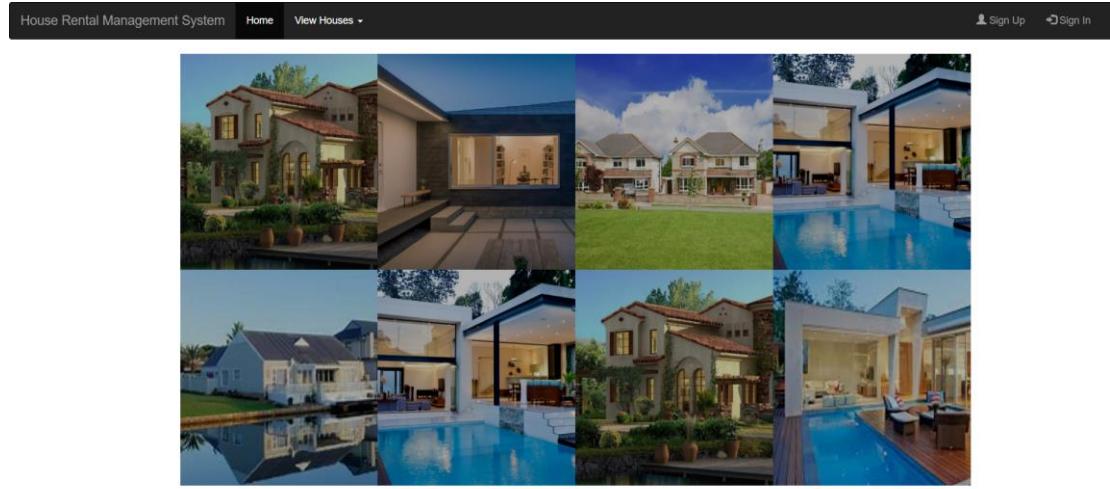


Figure 5.1 Home page

### 5.2. Signup: Based on owner/tenant

a) for owner

### Sign Up Here

Name:

Email:

Password:

Mobile No:

Occupation:

Number Of Houses:

Country:

State:

City:

Address:

[Already member Sign in here](#)

Figure 5.2 a) Owner Sign-up page

b) for tenant

**Sign Up Here**

**Sign Up**

First Name:

Last Name:

Email:

Password:

Mobile No:

Occupation:

**Sign Up**

[Already member Sign in here](#)

Figure 5.2 b) Tenant Sign-up page

### 5.3 User sign in:

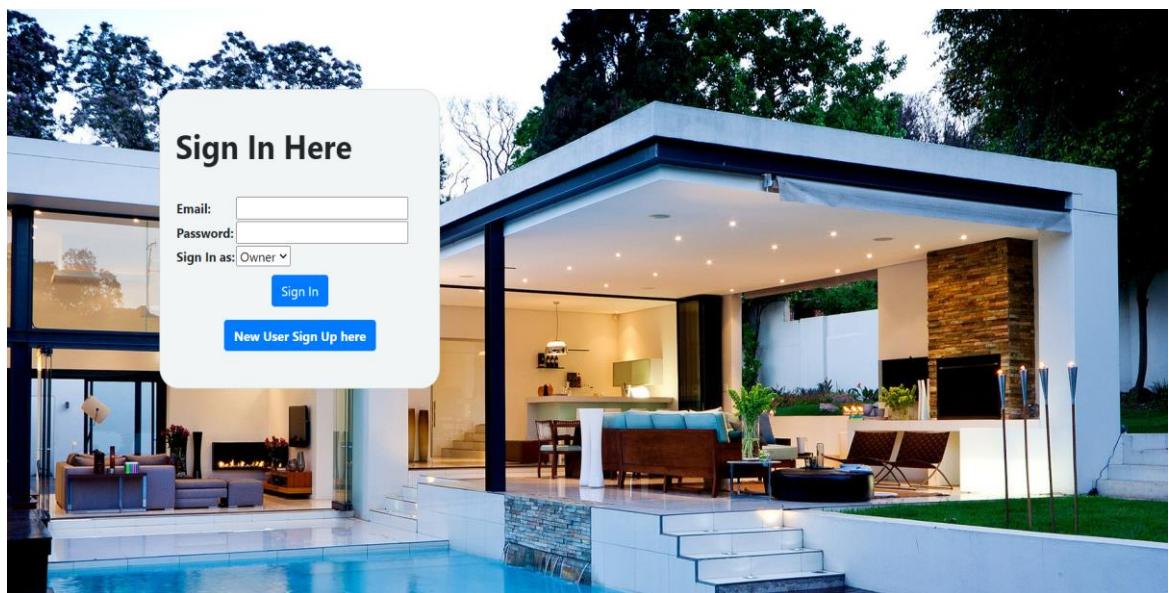


Figure 5.3 User-Login page

## HOME RENTAL MANAGEMENT SYSTEM

### 5.4 User dashboard

The screenshot shows the user dashboard with the following layout:

- Houses:** Shows an image of a modern house at night. Below it is a green button labeled "See Details".
- Owners:** Shows two people looking at a house. Below it is a green button labeled "See Details".
- Tenants:** Shows a family standing in front of a house. Below it is a green button labeled "See Details".
- Booking:** Shows a green calendar icon with a checkmark. Below it is a green button labeled "See Details".

Below each category, there is a brief description:

- This page contains the details of all Houses.
- This page contains the details of all Owners.
- This page contains the details of all Tenants.
- This page contains the details of all Bookings.

Figure 5.4 User dashboard

### 5.5 House details

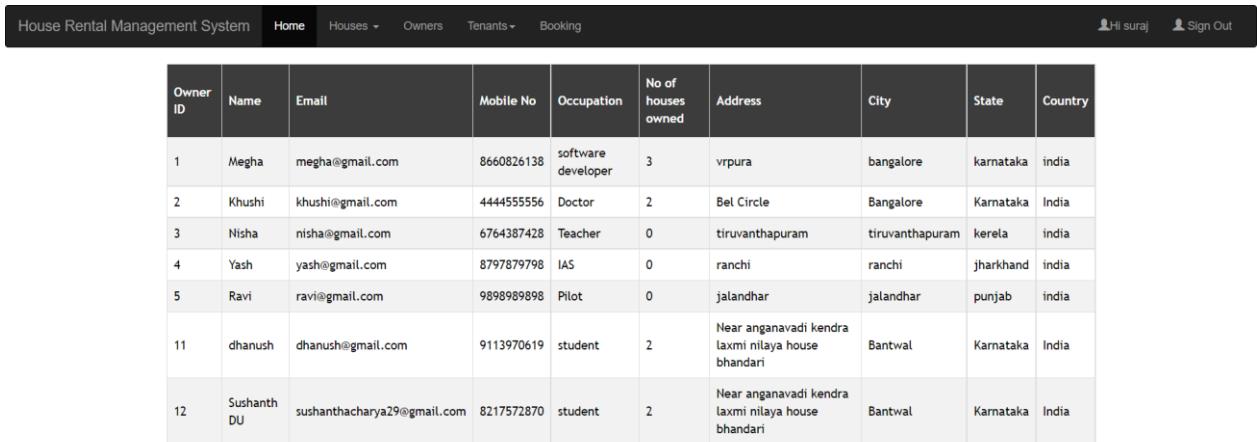
House ID	Owner ID	No. of rooms	Address	City	State	Country	Description	Rate for rent	Pics of the house
1	1	3	jalahalli	bangalore	karnataka	india	good house	10000	
2	1	3	jalahalli west	bangalore	karnataka	india	beautiful house	20000	
3	1	5	patna garden	patna	india	beautiful house	15000		

Figure 5.5 House details

# HOME RENTAL MANAGEMENT SYSTEM

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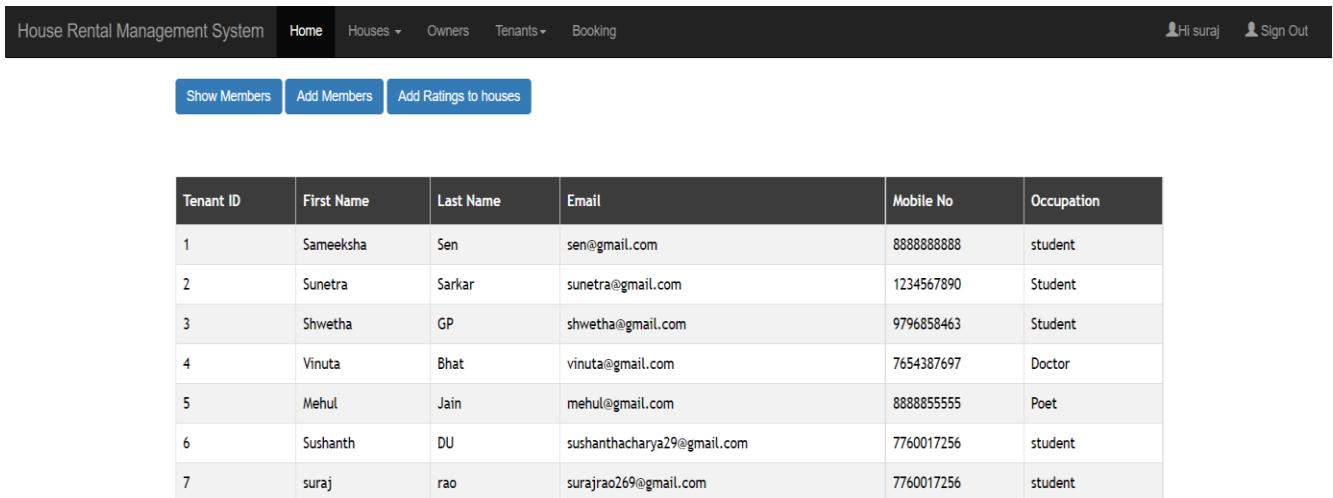
## 5.6 Owners details



Owner ID	Name	Email	Mobile No	Occupation	No of houses owned	Address	City	State	Country
1	Megha	megha@gmail.com	8660826138	software developer	3	vrpura	bangalore	karnataka	india
2	Khushi	khushi@gmail.com	4444555556	Doctor	2	Bel Circle	Bangalore	Karnataka	India
3	Nisha	nisha@gmail.com	6764387428	Teacher	0	tiruvanthapuram	tiruvanthapuram	kerela	india
4	Yash	yash@gmail.com	8797879798	IAS	0	ranchi	ranchi	jharkhand	india
5	Ravi	ravi@gmail.com	9898989898	Pilot	0	jalandhar	jalandhar	punjab	india
11	dhanush	dhanush@gmail.com	9113970619	student	2	Near anganavadi kendra laxmi nilaya house bhandari	Bantwal	Karnataka	India
12	Sushanth DU	sushanthacharya29@gmail.com	8217572870	student	2	Near anganavadi kendra laxmi nilaya house bhandari	Bantwal	Karnataka	India

Figure 5.6 owner details

## 5.7 Tenants details



Tenant ID	First Name	Last Name	Email	Mobile No	Occupation
1	Sameeksha	Sen	sen@gmail.com	8888888888	student
2	Sunetra	Sarkar	sunetra@gmail.com	1234567890	Student
3	Shwetha	GP	shwetha@gmail.com	9796858463	Student
4	Vinuta	Bhat	vinuta@gmail.com	7654387697	Doctor
5	Mehul	Jain	mehul@gmail.com	8888855555	Poet
6	Sushanth	DU	sushanthacharya29@gmail.com	7760017256	student
7	suraj	rao	surajrao269@gmail.com	7760017256	student

Figure 5.7 tenant details

## HOME RENTAL MANAGEMENT SYSTEM

### 5.8 Members details

The screenshot shows a web-based application for managing house rentals. At the top, there is a dark header bar with the text "House Rental Management System" on the left, and "Home", "Houses", "Owners", "Tenants", and "Booking" menu items on the right. On the far right of the header, there are two user-related icons: one for "Hi suraj" and another for "Sign Out". Below the header is a table with the following data:

Tenant ID	First Name	Last Name	Gender	Date Of Birth	Occupation	Relationship with tenant
1	Raksha	Sarkar	female	2009-11-10	Student	sister
3	Amrutha	GP	female	2009-12-10	student	sister
3	Shourya	Mishra	male	2019-11-05	student	friend
3	Umang	Shrivastava	male	2019-12-04	student	friend
4	Aditya	Singh	male	2019-05-06	engineer	brother

Figure 5.8 member details

### 5.9 Add members

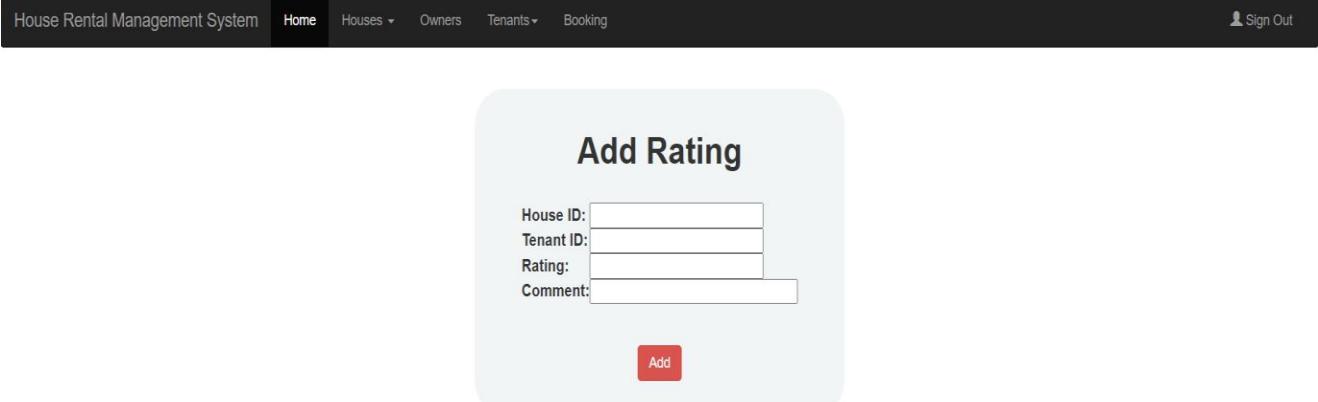
The screenshot shows a modal dialog box titled "Add Member". The dialog contains fields for inputting member information:

- Tenant ID: (input field)
- First Name: (input field)
- Last Name: (input field)
- Occupation: (input field)
- Gender: (input field)
- Date of birth: (input field with a date picker icon)
- Relationship with tenant: (input field)

At the bottom of the dialog is a red "Add" button.

Figure 5.9 Add members

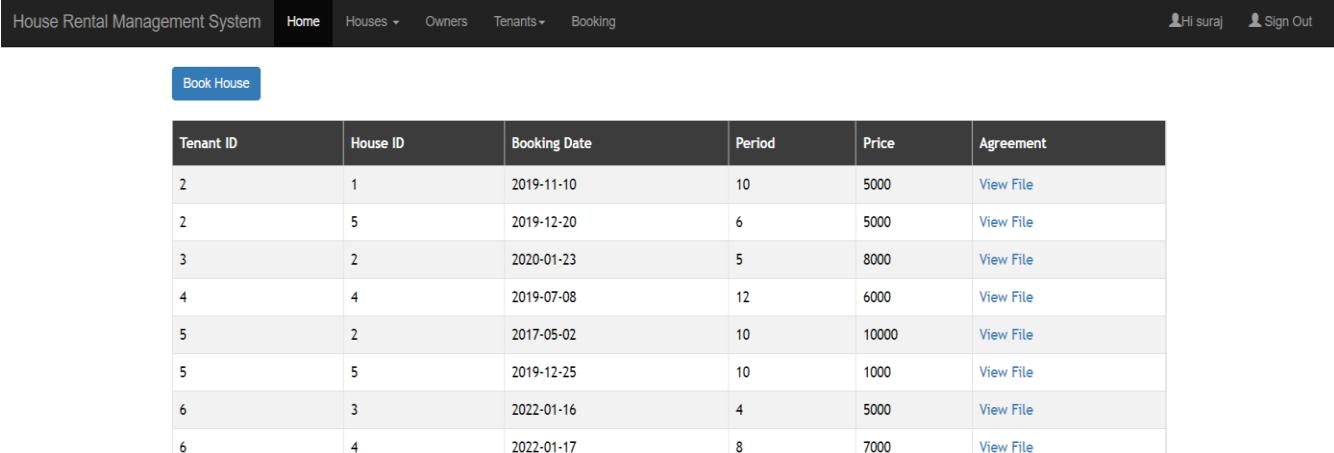
### **5.10 Add ratings**



The screenshot shows a 'House Rental Management System' interface. At the top, there's a navigation bar with links for Home, Houses, Owners, Tenants, and Booking. On the far right, there are 'Hi suraj' and 'Sign Out' buttons. Below the navigation bar is a modal window titled 'Add Rating'. The modal contains four input fields: 'House ID:' (with a placeholder box), 'Tenant ID:' (with a placeholder box), 'Rating:' (with a placeholder box), and 'Comment:' (with a placeholder box). At the bottom of the modal is a red 'Add' button.

Figure 5.10 Add rating

### **5.11 Booking details**



The screenshot shows a 'House Rental Management System' interface. At the top, there's a navigation bar with links for Home, Houses, Owners, Tenants, and Booking. On the far right, there are 'Hi suraj' and 'Sign Out' buttons. Below the navigation bar is a table titled 'Booking details'. The table has columns for Tenant ID, House ID, Booking Date, Period, Price, and Agreement. Each row in the table contains a 'View File' link under the Agreement column. The table data is as follows:

Tenant ID	House ID	Booking Date	Period	Price	Agreement
2	1	2019-11-10	10	5000	<a href="#">View File</a>
2	5	2019-12-20	6	5000	<a href="#">View File</a>
3	2	2020-01-23	5	8000	<a href="#">View File</a>
4	4	2019-07-08	12	6000	<a href="#">View File</a>
5	2	2017-05-02	10	10000	<a href="#">View File</a>
5	5	2019-12-25	10	1000	<a href="#">View File</a>
6	3	2022-01-16	4	5000	<a href="#">View File</a>
6	4	2022-01-17	8	7000	<a href="#">View File</a>

Figure 5.11 Booking details

## HOME RENTAL MANAGEMENT SYSTEM

### 5.12 House booking

The screenshot shows a 'Book House' form within a web application. At the top, there is a navigation bar with links for 'Home', 'Houses', 'Owners', 'Tenants', and 'Booking'. On the right side of the navigation bar are 'Hi suraj' and 'Sign Out' buttons. The main form area has a light gray background and contains the following fields:

- Tenant ID: [Text input field]
- House ID: [Text input field]
- Booking Date: mm/dd/yyyy [Text input field] with a calendar icon
- Period: [Text input field]
- Price: [Text input field]
- Agreement: [File input field] labeled 'Choose File' with the message 'No file chosen'

At the bottom right of the form is a red 'Add' button.

Figure 5.12 House booking

### 5.13 House feedbacks

The screenshot shows a table titled 'House feedbacks' within a web application. At the top, there is a navigation bar with links for 'Home', 'Houses', 'Owners', 'Tenants', and 'Booking'. On the right side of the navigation bar are 'Hi suraj' and 'Sign Out' buttons. The table has a dark header row and contains the following data:

House ID	Tenant ID	Rating	Comment
1	1	5	good
2	5	5	cool
3	1	5	good
3	6	5	nice view
4	4	3	ok ok
5	2	2	bad

Figure 5.13 House feedbacks

## CHAPTER6

### CONCLUSION

House Rental business has emerged with a new goodies compared to the past experience where every activity concerning House rental business is limited to a physical location only. Even though the physical location has not been totally eradicated; the nature of functions and how these functions are achieved has been reshaped by the power of internet. Nowadays, customers can reserve book/buy/sale House online, rent House online, and have the house contracted successfully without any sweat once the customer is a registered member of the House Rental Management System. The web based House rental system has offered an advantage to both Tenants as well as Landlords to efficiently and effectively manage the business and satisfies customers' need at the click of a button

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