Report On

REAL ESTATE MANAGEMENT SYSTEM

Submitted in partial fulfillment of the requirements of the Mini project in
Semester IV of Second Year Computer Engineering

by
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Department of Computer Engineering

(A.Y. 2021-22)

Vidyavardhini's College of Engineering & Technology

Department of Computer Engineering

CERTIFICATE

This is to certify that the Mini Project entitled **"REAL ESTATE MANAGEMENT SYSTEM"** is a bonafide work of **Dream Patel (33)**, **Hardik Nikam (30)**, **Jay Prajapati (42), Pranav Maurya (26)** submitted to the University of Mumbai in partial fulfillment of the requirement for the award of the degree of **"Bachelor of Engineering"** in Semester IV of Second Year **"Computer Engineering".**

_____
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Mentor

_____   _____
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Department of Computer Engineering

Mini Project Approval

This Mini Project entitled "**REAL ESTATE MANAGEMENT SYSTEM**" by **Dream Patel (33)**, **Hardik Nikam (30)**, **Jay Prajapati (42)**, **Pranav Maurya (26)** is approved for the degree of **Bachelor of Engineering** in in Semester IV of Second Year **Computer Engineering.**

Examiners

1...
(Internal Examiner Name & Sign)

2...
(External Examiner name & Sign)

Date:

Place:

Contents

ABSTRACT

As the name suggests, real estate is the business that are done by the people dealing with the properties. Real Estate is one of the trending fields in today's world. Property is one of the essential factors that each and everyone want to own. The property may refer to the houses. It can be also given for rent or lease or kept for sale.

People in today's world will not be patient enough to go searching for properties. They prefer modern way of getting a good property. It can be achieved through the use of web enabled estate agent application. This web app can help in searching for the right property with great ease.

ACKNOWLEDGEMENT

We would like to express our special thanks and gratitude to our Institute, **Vidyavardhini's College of Engineering and Technology**, our principal **Dr. H.V. Vankundre** , our Head of Department **Dr. Megha Trivedi** and our Project Guide **Prof. Sunil Katkar** who gave us this valuable opportunity to develop this mini project on the topic : Real Estate Management System. This project has greatly helped us in expanding our core of knowledge in Web Development . It has provided us a precious opportunity to take a handson experience and showcase our Web Development Skills. We are also thankful to each of us because everyone of us aided to complete this project in a limited frame of time.

1 INTRODUCTION

1.1 INTRODUCTION

- Real Estate Management System is a fully fledged client end website where a client can rent/book a property.
- A new client will be able to register on this website but a user who has already registered cannot register again with the same email-id because the website also checks password while registering.
- Users can add their own property for selling/renting.
- Users can also search for any property as per their requirement.
- The website is a user friendly website.

1.2 PROBLEM STATEMENT AND OBJECTIVE

Problem Statement:

- In the recent days there has been observed a growth in Real Estate Sector due to lessening of Covid restrictions.
- Also many people are interested in purchasing or selling properties.
- But, finding a properly built and authentic real estate properties which are already well and fully furnished is quite tiresome and difficult these days.

Objectives :

- The objectives of the project include :
  1. To investigate user requirements for a real estate management system.
  2. To provide online platform via which investor can bid houses online .
  3. To provide management and administration of abc company to manage and monitor the entire business transactions process from a computer based interface .

1.3 SCOPE

- It provides a friendly GUI which proves to be best.

- It gives appropriate access to the authorized users.

- One can sell and buy property in the same website.

1.4 MINI PROJECT CONTRIBUTION

26_PRANAV MAURYA -

Collecting resource and information required for program & ppt.

Coding.

30_HARDIK NIKAM -

Arranging the allocated resources and providing finest idea for website.

Coding.

33_DREAM PATEL -

Analyzing, finding unique way for implementation & arrangement of resources in program.

Coding

42_JAY PRAJAPATI -

Designing the website according to Data.

Coding

2 PROPOSED STATEMENT

2.4 Introduction

- The main aim of this project is to provide an online platform that ensures investors and potential clients to trade their properties as they need. Thus, making business to be more faster and cheaper.
- The website also provides an information about the price range of the Flats/Apartments/Villas,etc.
- The online real estate will increase chances for one to find a suitable place for both work and residential.
- The system also contains an EMI calculator which can help in calculating the EMI of the client for a particular property.

2.5 ARCHITECTURE/FRAMEWORK/BLOCK DIAGRAM

```
                    ┌──────────┐
                    │  Start   │
                    └────┬─────┘
                         │
                    ┌────▼─────┐
                    │  Login   │
                    └────┬─────┘
                         │
                    ┌────▼─────┐
                    │    If    │────────────►  Home Page  ────────►  Inert
                    │Registerred│                                   property type
                    └────┬─────┘                                        │
                         │                                              ▼
                         ▼                                         Search city
                   Register new                                       name
                     Account                                           │
                         │                                              ▼
                         ▼                                          Choose
                    ┌──────────┐                                   Property
                    │  Login   │──────────┘                           │
                    └──────────┘                                      ▼
                                                                   Confirm
                                                                   booking
                                                                      │
                                                                      ▼
                                                                 ┌──────────┐
                                                                 │   End    │
                                                                 └──────────┘
```
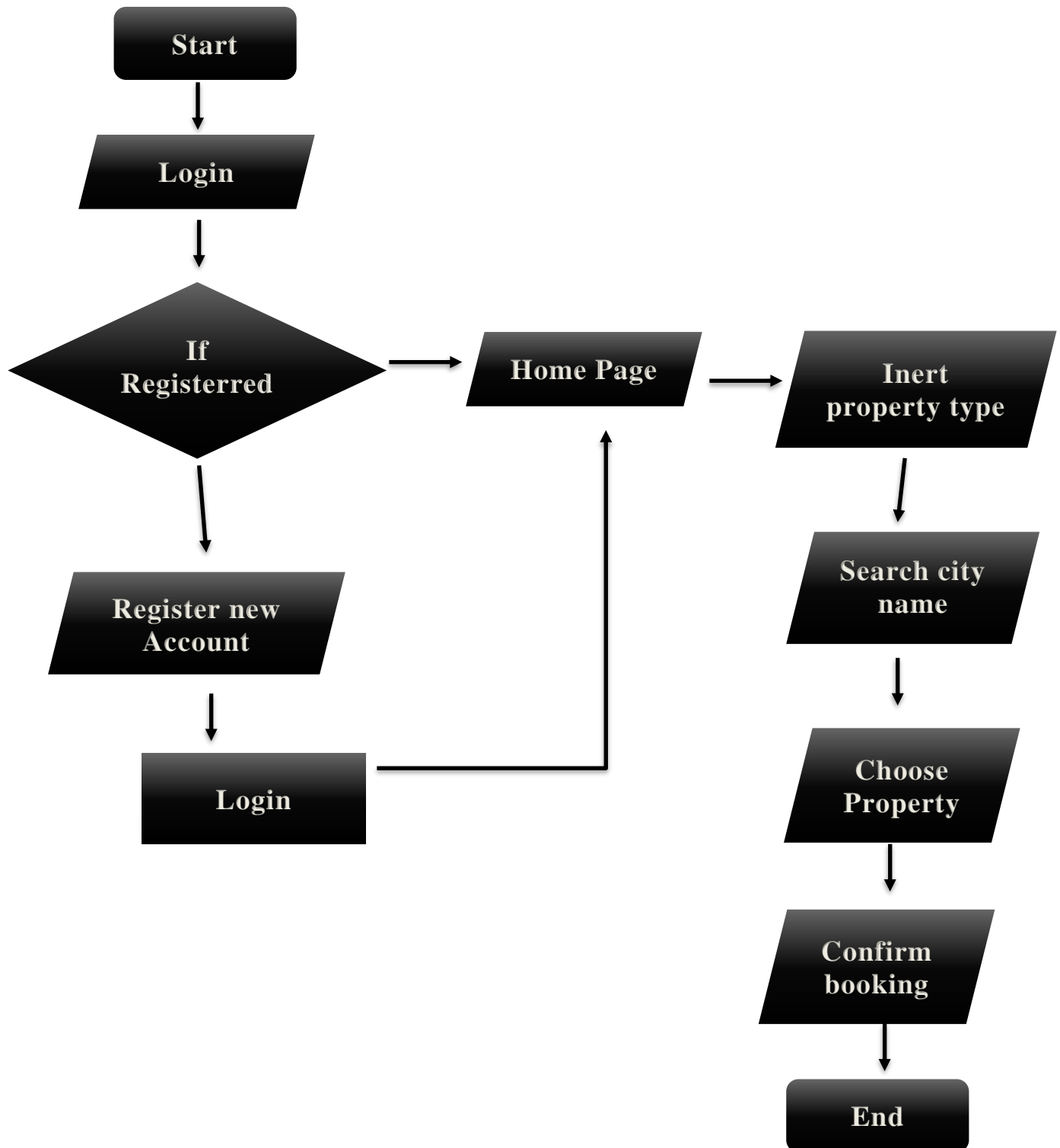
2.6   ALGORITHM AND PROCESS DESIGN

Login module: In login module user can login only if he or she is registered.

Register module: Here new user can registered with his credentials and his profile photo.

Search module: Here user can search city name and the code searches the same name in database and fetches information accordingly.

Display module: Here we fetch an display all property details and display them.
Inserting property module: Here user can insert new property for selling or buying purpose on the website

Delete property module: Here user can delete his or her property from the database and the information is deleted from the database.

Emi calculator module: EMI calculator module calculates the EMI of client as per the amount of the property.

Booking module: The Booking Module books a property as preferred by the client , fetches the login data of the client from the database and displays the booking details. Booking status is stored in the database.

2.7   DETAILS OF HARDWARE AND SOFTWARE

- Windows 7 or above.
- Processor should be i3 or above for better performance.
- Minimum 4gb ram required to ren this program
- Pre-Installed XAMMP OR WAMP

2.8 EXPERIMENTS AND RESULTS FOR VALIDATION AND VERIFICATION

Code:

```php
<?php
ini_set('session.cache_limiter','public');
session_cache_limiter(false);
session_start();
include("config.php");


?>
```

```html
<!DOCTYPE html>
<html lang="en">
<head>
<!-- Required meta tags -->
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
<!-- Meta Tags -->
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<link rel="shortcut icon" href="images/favicon.ico">


<!--              Fonts

                        ======================================-->
<link
href="https://fonts.googleapis.com/css?family=Muli:400,400i,500,600,700&amp;display=s
wap" rel="stylesheet">
<link href="https://fonts.googleapis.com/css?family=Comfortaa:400,700" rel="stylesheet">


<!--              Css Link

                        =================================================
=====-->
<link rel="stylesheet" type="text/css" href="css/bootstrap.min.css">
<link rel="stylesheet" type="text/css" href="css/bootstrap-slider.css">
<link rel="stylesheet" type="text/css" href="css/jquery-ui.css">
```

```html
<link rel="stylesheet" type="text/css" href="css/layerslider.css">
<link rel="stylesheet" type="text/css" href="css/color.css" id="color-change">
<link rel="stylesheet" type="text/css" href="css/owl.carousel.min.css">
<link rel="stylesheet" type="text/css" href="css/font-awesome.min.css">
<link rel="stylesheet" type="text/css" href="fonts/flaticon/flaticon.css">
<link rel="stylesheet" type="text/css" href="css/style.css">


<!--                    Title
                        ================================================-->
<title>Homex - Real Estate Template</title>
</head>
<body>
<!--                    Page Loader  -->
<!--<div class="page-loader position-fixed z-index-9999 w-100 bg-white vh-100">
                    <div class="d-flex justify-content-center y-middle position-relative">
                      <div class="spinner-border" role="status">
                      <span class="sr-only">Loading...</span>
                       </div>
                    </div>
</div>  -->
<!--                    Page Loader  -->
<div id="page-wrapper">
   <div class="row">
      <!--          Header start  -->
                        <?php include("include/header.php");?>
      <!--          Header end  -->
      <!--          Banner Start   -->
      <div class="overlay-black w-100 slider-banner1 position-relative" style="background-image: url('images/banner/04.jpg'); background-size: cover; background-position: center center; background-repeat: no-repeat;">
          <div class="container h-100">
             <div class="row h-100 align-items-center">
                <div class="col-lg-12">
                    <div class="text-white">
```

```html
<h1 class="mb-4"><span class="text-primary">Find</span><br>
  Your dream house</h1>
<form method="post" action="propertygrid.php">
  <div class="row">
    <div class="col-md-6 col-lg-2">
      <div class="form-group">
        <select class="form-control" name="type">
          <option value="">Select Type</option>

  <option value="appartment">Appartment</option>

  <option value="flat">Flat</option>

  <option value="bunglow">Bunglow</option>

  <option value="house">House</option>

  <option value="villa">Villa</option>

  <option value="office">Office</option>
        </select>
      </div>
    </div>
    <div class="col-md-6 col-lg-2">
      <div class="form-group">
        <select class="form-control" name="stype">
          <option value="">Select Status</option>

  <option value="rent">Rent</option>

  <option value="sale">Sale</option>
        </select>
      </div>
    </div>
    <div class="col-md-8 col-lg-6">
      <div class="form-group">
```

```html
                        <input type="text" class="form-control" name="city"
placeholder="Enter City or Enter State" required>
                    </div>
                </div>
                <div class="col-md-4 col-lg-2">
                    <div class="form-group">
                        <button type="submit" name="filter" class="btn btn-primary w-
100">Search Property</button>
                    </div>
                </div>
            </div>
        </form>
    </div>
</div>
</div>
</div>
<!--        Banner End  -->


<!--        Text Block One


                ====================================================
===-->
<div class="full-row bg-gray">
    <div class="container">
        <div class="row">
            <div class="col-lg-12">
                <h2 class="text-secondary double-down-line text-center mb-5">What We
Do</h2></div>
            </div>
            <div class="text-box-one">
                <div class="row">
                    <div class="col-lg-3 col-md-6">
                        <div class="p-4 text-center hover-bg-white hover-shadow rounded mb-4
transation-3s">
```

```html
                                                <i class="flaticon-rent text-
primary flat-medium" aria-hidden="true"></i>
                    <h5 class="text-secondary hover-text-primary py-3 m-0"><a
href="#">Selling Service</a></h5>
                    <p>Lacinia tempor tortor nibh. Et mattis cubilia suspendisse cras justo
potenti.</p>
                </div>
            </div>
            <div class="col-lg-3 col-md-6">
                <div class="p-4 text-center hover-bg-white hover-shadow rounded mb-4
transation-3s">
                                                <i class="flaticon-for-rent text-
primary flat-medium" aria-hidden="true"></i>
                    <h5 class="text-secondary hover-text-primary py-3 m-0"><a
href="#">Rental Service</a></h5>
                    <p>Lacinia tempor tortor nibh. Et mattis cubilia suspendisse cras justo
potenti.</p>
                </div>
            </div>
            <div class="col-lg-3 col-md-6">
                <div class="p-4 text-center hover-bg-white hover-shadow rounded mb-4
transation-3s">
                                                <i class="flaticon-list text-
primary flat-medium" aria-hidden="true"></i>
                    <h5 class="text-secondary hover-text-primary py-3 m-0"><a
href="#">Property Listing</a></h5>
                    <p>Lacinia tempor tortor nibh. Et mattis cubilia suspendisse cras justo
potenti.</p>
                </div>
            </div>
            <div class="col-lg-3 col-md-6">
                <div class="p-4 text-center hover-bg-white hover-shadow rounded mb-4
transation-3s">
                                                <i class="flaticon-diagram text-
primary flat-medium" aria-hidden="true"></i>
                    <h5 class="text-secondary hover-text-primary py-3 m-0"><a
href="#">Legal Investment</a></h5>
                    <p>Lacinia tempor tortor nibh. Et mattis cubilia suspendisse cras justo
```

potenti.</p>

                    </div>

                </div>

            </div>

        </div>

    </div>

                    <!----- Our Services ---->

        <!--   Recent Properties -->
        <div class="full-row">
            <div class="container">
                <div class="row">
                    <div class="col-md-12">
                        <h2 class="text-secondary double-down-line text-center mb-4">Recent
Property</h2>
                    </div>
                    <!--- <div class="col-md-6">
                        <ul class="nav property-btn float-right" id="pills-tab" role="tablist">
                            <li class="nav-item"> <a class="nav-link py-3 active" id="pills-home-tab"
data-toggle="pill" href="#pills-home" role="tab" aria-controls="pills-home" aria-
selected="true">New
                            <li class="nav-item"> <a class="nav-link py-3" id="pills-profile-tab" data-
toggle="pill" href="#pills-profile" role="tab" aria-controls="pills-profile" aria-
selected="false">Featured
                            <li class="nav-item"> <a class="nav-link py-3" id="pills-contact-tab2"
data-toggle="pill" href="#pills-contact" role="tab" aria-controls="pills-contact" aria-
selected="false">Top Sale
                            <li class="nav-item"> <a class="nav-link py-3" id="pills-contact-tab3"
data-toggle="pill" href="#pills-resturant" role="tab" aria-controls="pills-contact" aria-
selected="false">Best Sale

                    </div> --->
                    <div class="col-md-12">
                        <div class="tab-content mt-4" id="pills-tabContent">
                            <div class="tab-pane fade show active" id="pills-home" role="tabpanel"
aria-labelledby="pills-home">

```php
<div class="row">

                                            <?php
$query=mysqli_query($con,"SELECT property.*, user.uname,user.utype,user.uimage
FROM `property`,`user` WHERE property.uid=user.uid ORDER BY date DESC LIMIT 9");

                    while($row=mysqli_fetch_array($query))
                                                    {
                                                ?>
                <div class="col-md-6 col-lg-4">
                    <div class="featured-thumb hover-zoomer mb-4">
                        <div class="overlay-black overflow-hidden position-relative">
<img src="admin/property/<?php echo $row['18'];?>" alt="pimage">
                            <div class="featured bg-primary text-white">New</div>
                            <div class="sale bg-secondary text-white text-capitalize">For
<?php echo $row['5'];?></div>
                            <div class="price text-primary"><b>$<?php echo
$row['13'];?> </b><span class="text-white"><?php echo $row['12'];?> Sqft</span></div>
                        </div>
                        <div class="featured-thumb-data shadow-one">
                        <div class="p-3">
                            <h5 class="text-secondary hover-text-primary mb-2 text-
capitalize"><a href="propertydetail.php?pid=<?php echo $row['0'];?>"><?php echo
$row['1'];?></a></h5>
                            <span class="location text-capitalize"><i class="fas fa-
map-marker-alt text-primary"></i> <?php echo $row['14'];?></span> </div>
                            <div class="bg-gray quantity px-4 pt-4">
                            <ul>
                                <li><span><?php echo $row['12'];?></span> Sqft</li>
                                <li><span><?php echo $row['6'];?></span> Beds</li>
                                <li><span><?php echo $row['7'];?></span> Baths</li>
                                <li><span><?php echo $row['9'];?></span> Kitchen</li>
                                <li><span><?php echo $row['8'];?></span> Balcony</li>

                            </ul>
                            </div>
```

```html
                    <div class="p-4 d-inline-block w-100">

                        <div class="float-left text-capitalize"><i class="fas fa-user
text-primary mr-1"></i>By : <?php echo $row['uname'];?></div>

                        <div class="float-right"><i class="far fa-calendar-alt text-
primary mr-1"></i> 6 Months Ago</div>

                    </div>

                </div>

            </div>

        </div                                    <?php } ?>

                </div>

            </div>

        </div>

    </div>

</div>

                <!--        Recent Properties  -->


<!--           Why Choose Us -->
<div class="full-row living bg-one overlay-secondary-half" style="background-image:
url('images/haddyliving.jpg'); background-size: cover; background-position: center center;
background-repeat: no-repeat;">
    <div class="container">
        <div class="row">
            <div class="col-md-12 col-lg-6">
                <div class="living-list pr-4">
                    <h3 class="pb-4 mb-3 text-white">Why Choose Us</h3>
                    <ul>
                        <li class="mb-4 text-white d-flex">

                                                    <i class="flaticon-reward
flat-medium float-left d-table mr-4 text-primary" aria-hidden="true"></i>

                                                    <div class="pl-2">

                                                        <h5 class="mb-
3">Experience Quality</h5>

                                                        <p>Ad non
vivamus Elementum eget fringilla venenatis quisque, maecenas adipiscing aliquet justo.
```

Libero. Gravida. Sapien, dolor nostra sem. Rutrum conubia inceptos egestas dolor class.</p>
   </div>

                    <li class="mb-4 text-white d-flex">
<i class="flaticon-real-estate flat-medium float-left d-table mr-4 text-primary" aria-hidden="true"></i>
<div class="pl-2">
<h5 class="mb-3">Experience Quality</h5>
<p>Ad non vivamus Elementum eget fringilla venenatis quisque, maecenas adipiscing aliquet justo. Libero. Gravida. Sapien, dolor nostra sem. Rutrum conubia inceptos egestas dolor class.</p>
                    </div>

                    <li class="mb-4 text-white d-flex">
                                                    <i class="flaticon-seller flat-medium float-left d-table mr-4 text-primary" aria-hidden="true"></i>
                                                    <div class="pl-2">
                                                    <h5 class="mb-3">Experience Quality</h5>
                                                    <p>Ad non vivamus Elementum eget fringilla venenatis quisque, maecenas adipiscing aliquet justo. Libero. Gravida. Sapien, dolor nostra sem. Rutrum conubia inceptos egestas dolor class.</p>
                                                    </div>

            </div>
        </div>
    </div>
</div>
                    <?php include("include/footer.php");?>
                    <!--   Footer   start-->
        <!-- Scroll to top -->
        <i class="fas fa-angle-up"></i>
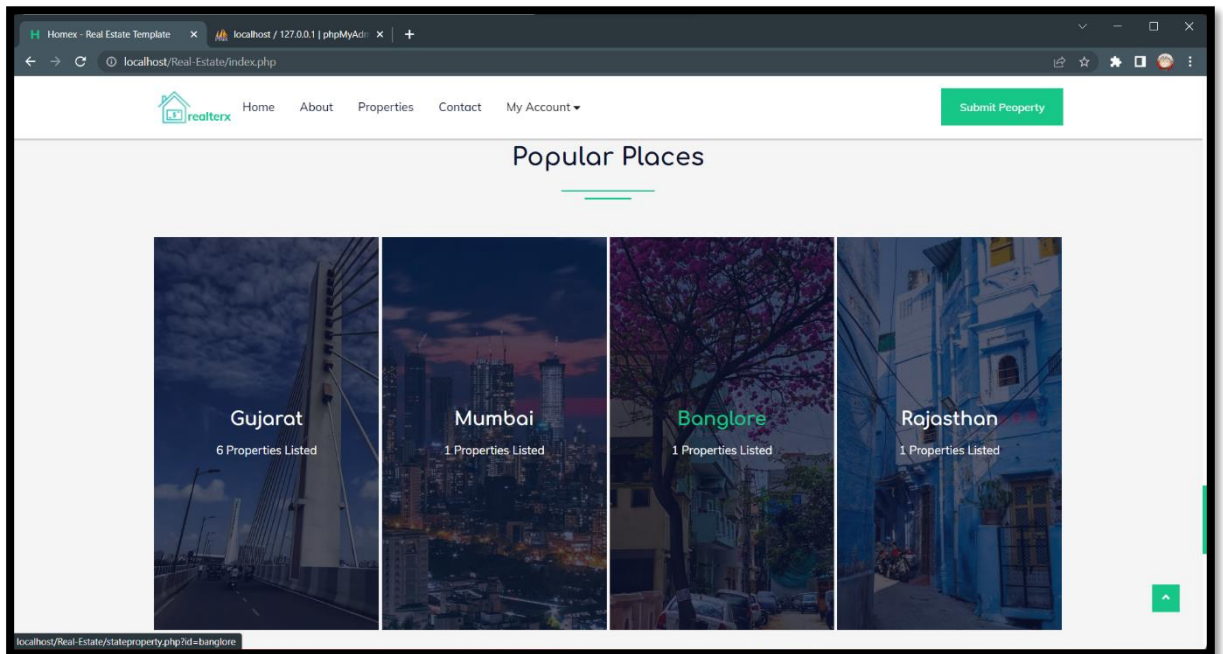   <!-- End Scroll To top -->

```
        </div>

    </div>

</body>

</html>
```
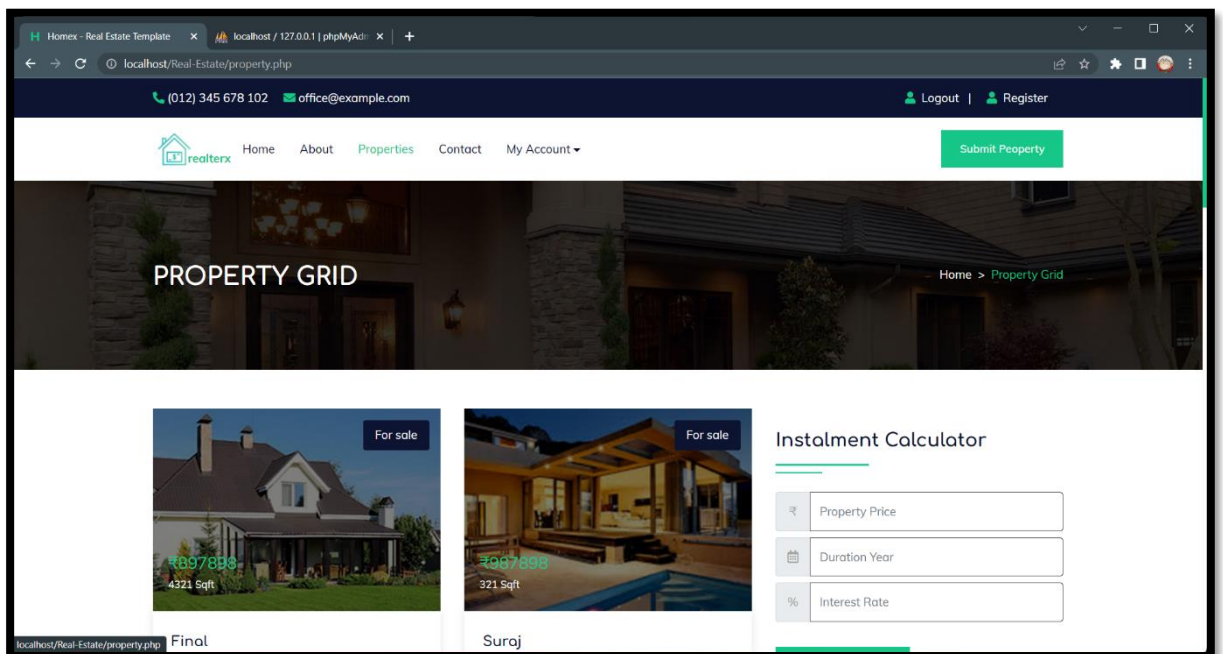
HOME PAGE
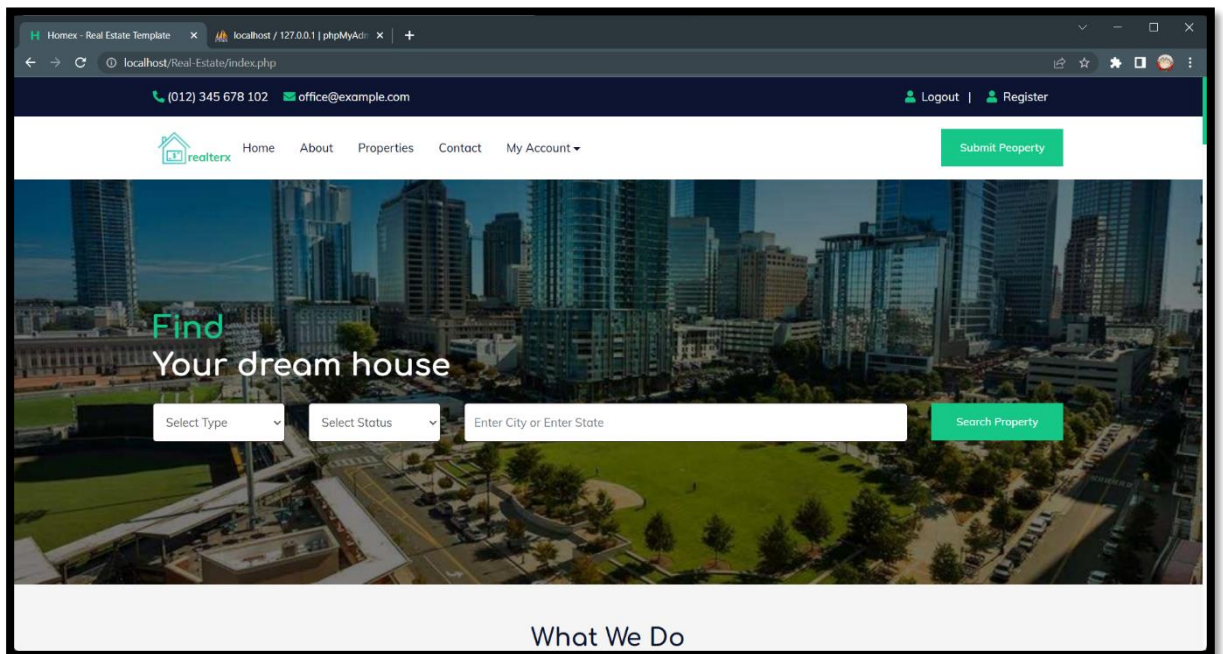
LOGIN
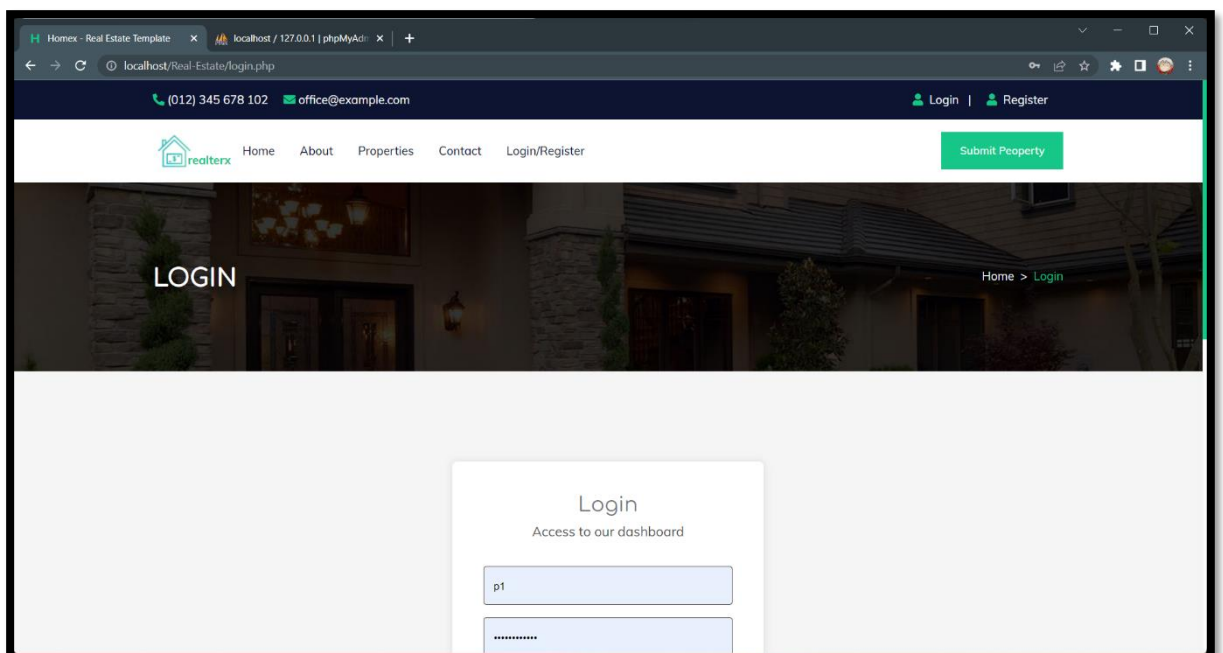
MANAGE ACCOUNTS
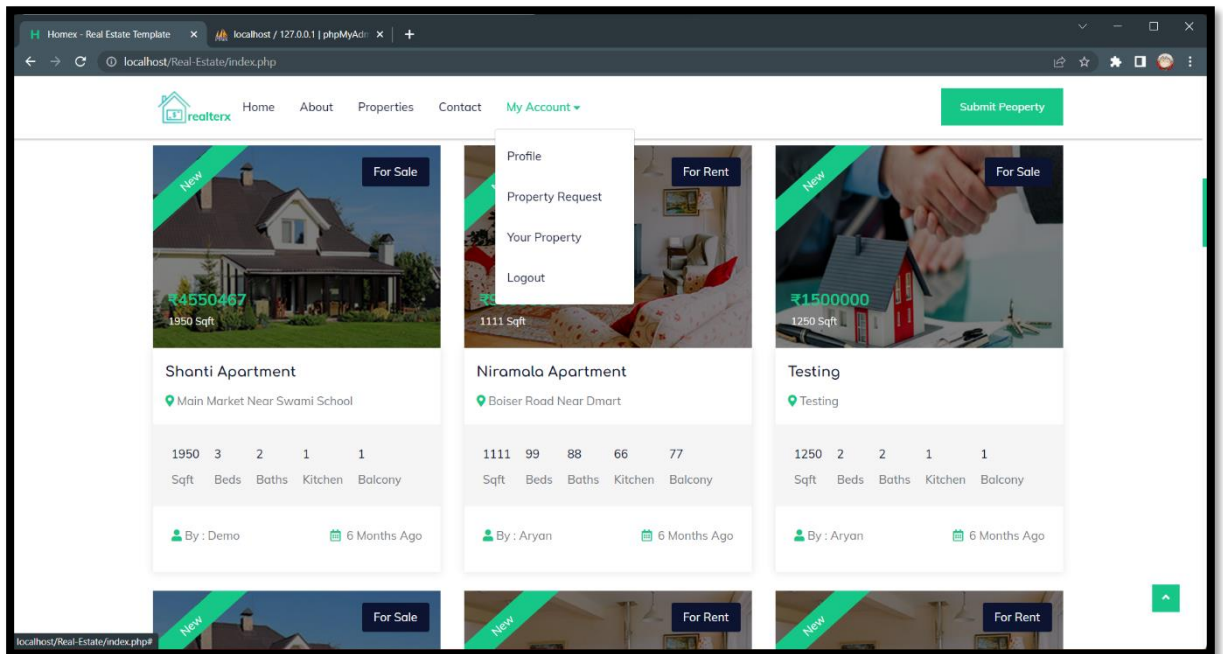
QUICK INFO.
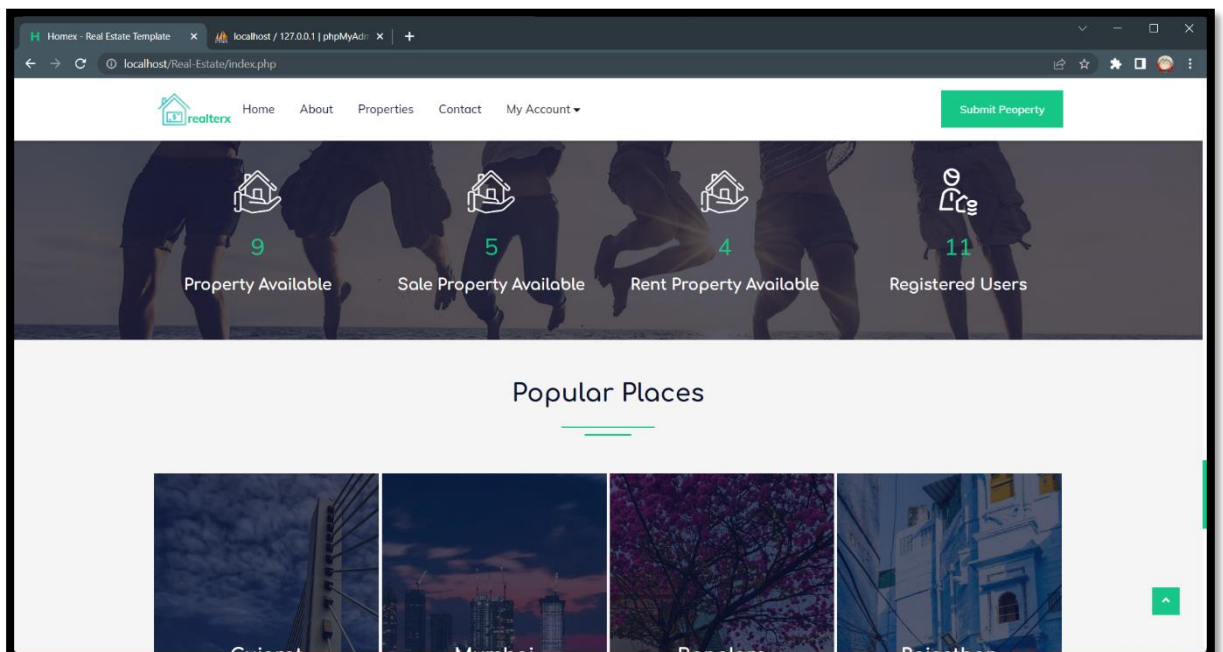
PLACES AVAILABLE

PROPERTY   GRID

EMI CALCULATOR

Price	Amount
Enter Amount	1000000
Enter Month	25
Enter Interest Rate	6
Total Interest	60000
Total Amount	1060000
Pay Per Month (EMI)	42400

SOME MORE SPECS

Property Summary

BHK :	3 BHK	Property Type :	Bunglow
Floor :	2nd Floor	Total Floor :	2 Floor
City :	Bhilad	State :	Rajasthan

Features

Property Age : 10 Years   **Type :** Appartment

Swiming Pool : Yes   **Security :** Yes

Parking : Yes   **Dining Capacity :** 10 People

GYM : Yes   **Temple :** Yes

3rd Party : No

Alivator : Yes

CCTV : Yes

Water Supply : Ground Water /

2.9 CONCLUSION AND FUTURE WORK

CONCLUSION

Our project Real Estate Management System intends to provide an online platform which involves buying, selling and renting of a property. When opened the website, the client can login to access the platform. Client can then search the property if wants to buy and can also upload the details of the property if wants to rent/sell a property. The project also involves feature in which a user can delete the property if required. The project also has an EMI calculator which calculates the EMI of the client according to the amount of the property.

FUTURE WORK

- Movers and Packers can be added.
- The website can be linked to Google Maps which will provide the direction of
- the location of the property searched.
- Integrating module for transaction of money.

REFERENCES

www.academia.edu

www.researchgate.net