REAL ESTATE TECH SYSTEM USING ANALYSING AND ESTIMATING PRICES TO BUY PROPERTIES

A MINI PROJECT REPORT

Submitted by

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Of

BACHELOR OF TECHNOLOGY

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ANNA UNIVERSITY: CHENNAI 600025

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BONAFIDE CERTIFICATE

Certified that this project report **"REAL ESTATE TECH SYSTEM USING ANALYSING AND ESTIMATING PRICES TO BUY PROPERTIES** "is the bonafide work of **ARUN PRASAD V (111919205003**), **VENKAT RAJ M (111919205048), SUBASH V (111919205039)** who carried out the mini project work under my supervision.

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INTERNAL EXAMINER

ACKNOWLEDGEMENT

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Finally, we express our thanks to our beloved Parents and Family Members for their moral support to make our project a grand success.

ABSTRACT

Learn how to buy the land with analyzing all details about the property. In this project, will build a website and app to finding the land in various location and various land types. This system provide free of cost facility to user to check the price of the house, land and apartment and it can view in both PC and mobile. Many function of information contains to view all details about that property. Provide security to both agent, admin and user. As now a days real estate become the number one untrusted to remove this we have developed a app with certified agents whom have. Great experience in real-estate will guide you about lands and house and if you are the seller your details are dead with privacy without your knowledge users can access your domain and Land is a good investment in future and house is the dream of many middle class people here we give accurance that your each 1 rupee is invested in a proper way. Each interface or module is visible to the users and client hence it's provide 100 percent safety A fully verified detailed analysis on price exact location and how the house condition is if you want to demolish all kind of information is provided.

LIST OF FIGURES

TABLE OF CONTENT

CHAPTER 1

INTRODUCTION

In our project, the website main role to attract the people who want to buy the land and provide many functional details about the land to analyze the prices of the property. It is also one of the main investment platform to be earn in our future life. In this website the function of modules contains like EMI, Price Estimation, Details of lands in various location and land categories wise also listed. In the land we also book the advance payment if you interested to buy the land earliest with other and to fill registration form after payment. We also provide all details about the land contains. Land price, patta number, owner name, total sq feet, place of land etc. EMI option to check the price to be paid within the particular years to be entered in the module. After any questions or feedback to give the rating about the website you used.

CHAPTER 2

SYSTEM REQUIREMENT

HARDWARE REQUIREMENTS

- PC AND MOBILE
- RAM: 8GB
- PROCESSOR: i5
- HARD DISK: 1 TB

SOFTWARE REQUIREMENTS

- OS: WINDOWS, ANDROID
- VISUAL STUDIO TOOL, NOTEPAD FOR CODING
- BROWSER - FIREFOX, CHROME
- LANGUAGE: HTML, CSS, JAVA SCRIPT

CHAPTER 3

SYSTEM ANALYSIS & DESIGN

3.1 EXISTING SYSTEM

OLX, NOBROKER LIMITATION:

- Documents verification are not available.
- Exact location and land details not known properly.
- High risks of frauds.
- This website cannot well communication clarified to customer.
- This website not provide much details about sales property.

3.2 PROPOSED SYSTEM

- Get verified documents and land detail:

In the current system the details provided by the customers are not verified by documents and land.

- Skilled Agents:

A training course will be conducted which was developed by the professionals

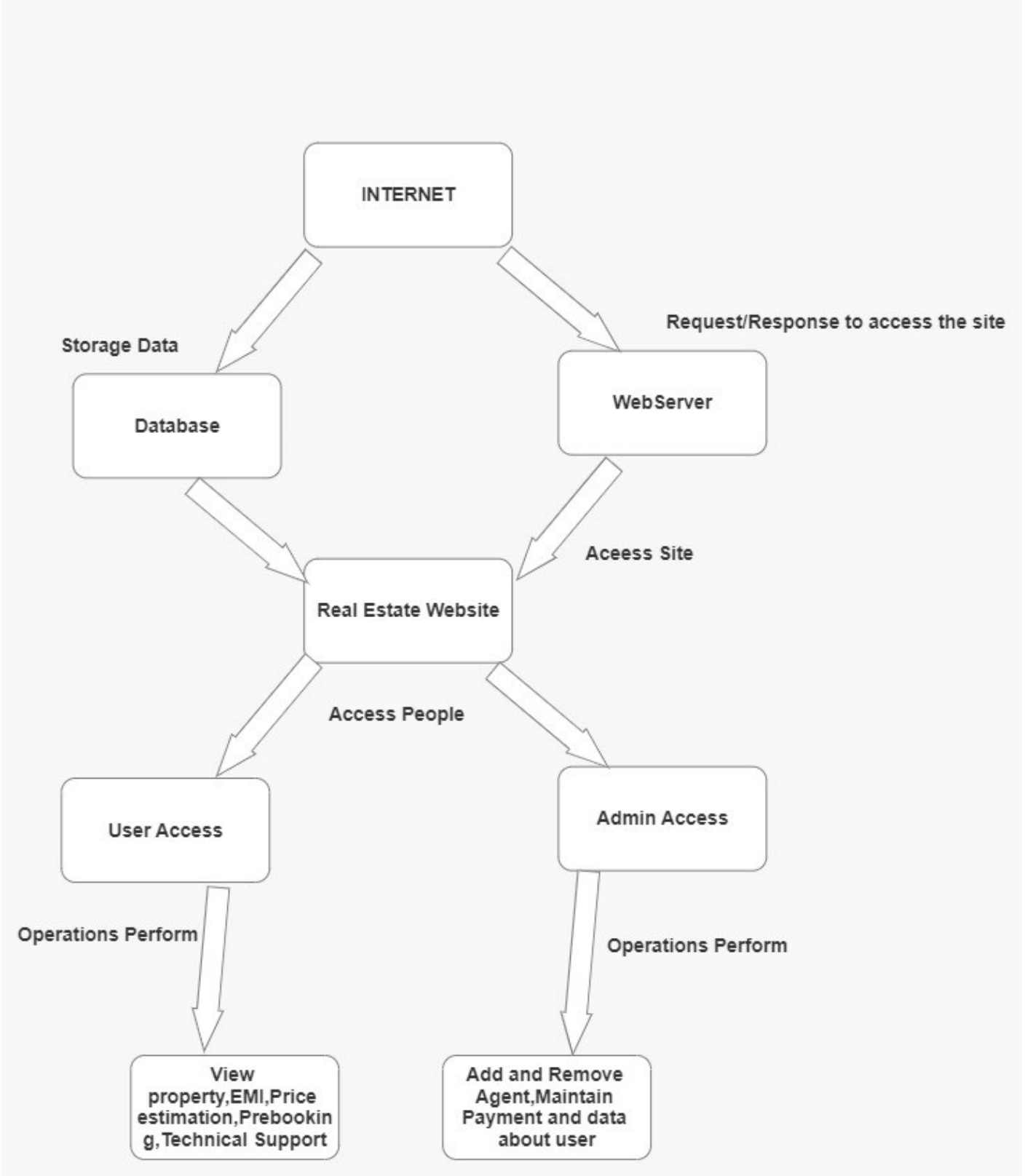
- Priority Search:

To give a 100% satisfaction that the client need is satisfied.

- User Friendly:

Admins will be available 24/7 to solve your queries.

3.3 System Architecture Diagram



CHAPTER 4

SYSTEM IMPLEMENTATION

4.1Module Description

4.1.1 Location Based Lands:

- In this module we provide the properties available for sale in that location wised been listed.
- Users can easily access to buy which type of property of land and willing location to buy.
- Finding the correct place where the house or land located places a major role by this module it saves the user time by placing the exact location of the house or land and time and travel expenses are saved.
- Each of them required different land such as business man need a company a middle class people need house and rich people need it for investments so land will be grouped according to access easily

4.1.2 EMI Calculator:

- we have a separate EMI calculation method which provide them a clear detail the bank loaning process.
- Also it shows the how much pay monthly wise to settled total amount.
- Equated monthly instalment (EMI) is defined by investing as "A fixed payment amount made by a borrower to a lender at a specified date each calendar month.
- Equated monthly instalments are used to pay off both interest and principal each month, so that over a specified number of years, the loan is fully paid off along with interest.

4.1.3 Price Estimation:

- In this module there was two categories listed which is helps us to calculate the land total price and also per sq. ft price as per details given by the land owner.

- A price estimate is the approximation of the price of a land, house or apartment. The price estimate is the source that predict the price of the land by the future growth. The price estimate will be changed accordingly to the customer wish.

- In this page we easily analyzing the given land price while compared to other property in the same location.

4.1.4 Technical Support:

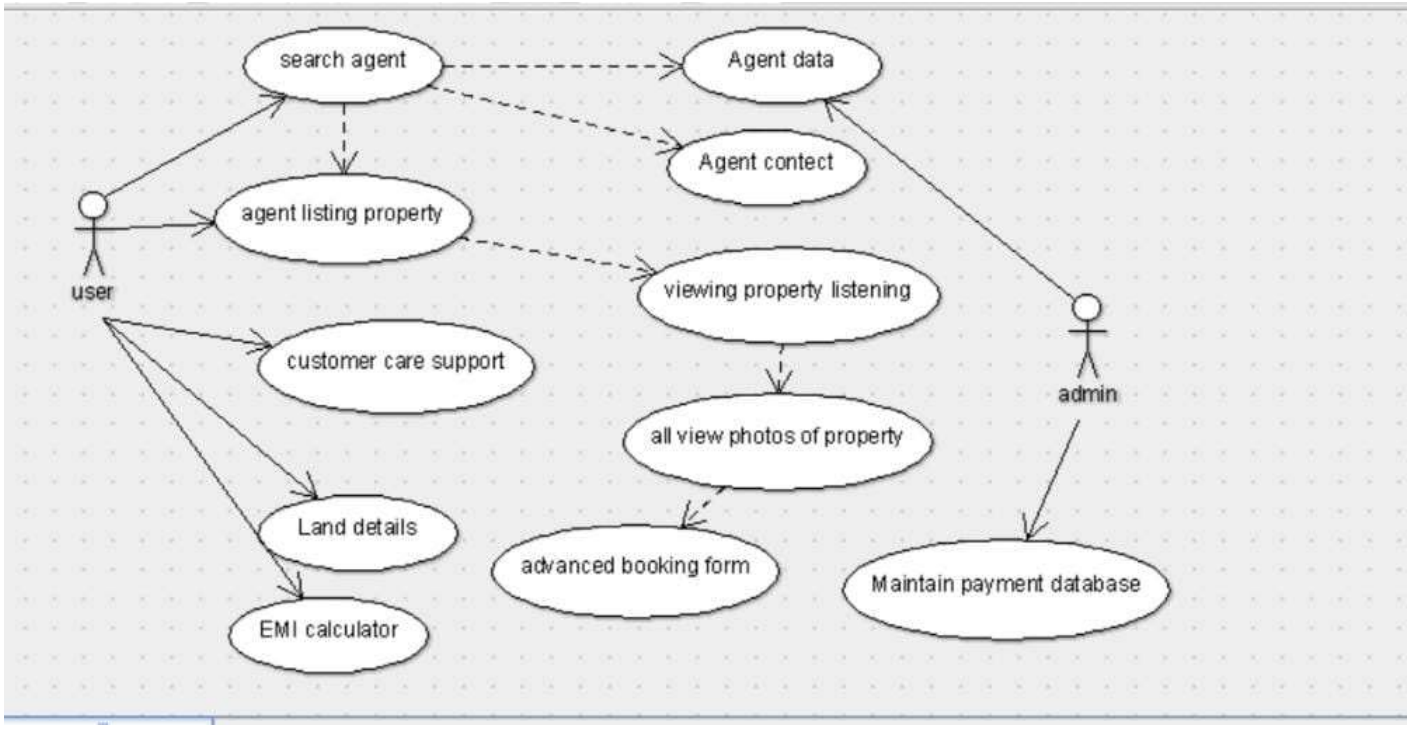
- In this module we provide the list of admin and agents contact details to contact any information regarding the location. Also we provide feedback form to fill customers.

- Technical support is an advice service provided, usually active 24/7 to help people who have problems using a RET APP or website your company provide discussion boards for users to interact; such forums allow user to get satisfaction and not to reduce customers and added benefits of customers feedback.

- We give best solution to our customer about their feedback to improve our website performance and reliability.

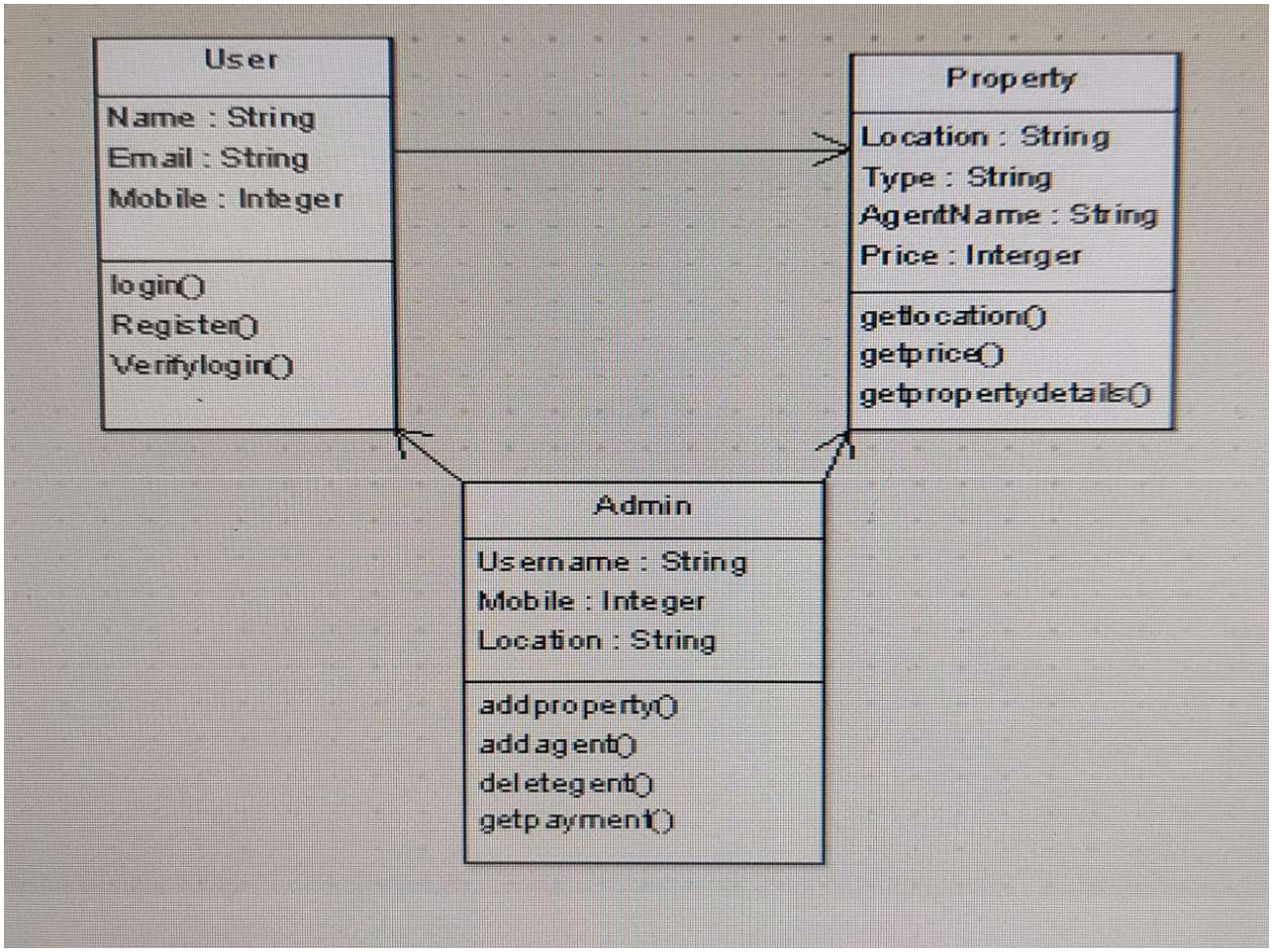
Use Case Diagram

A use case defines the interactions between external actors and the system under consideration to accomplish a goal. Actors must be able to make decisions, but need not be human: "An actor might be a person, a company or organization, a computer program or a computer system — hardware, software, or both.



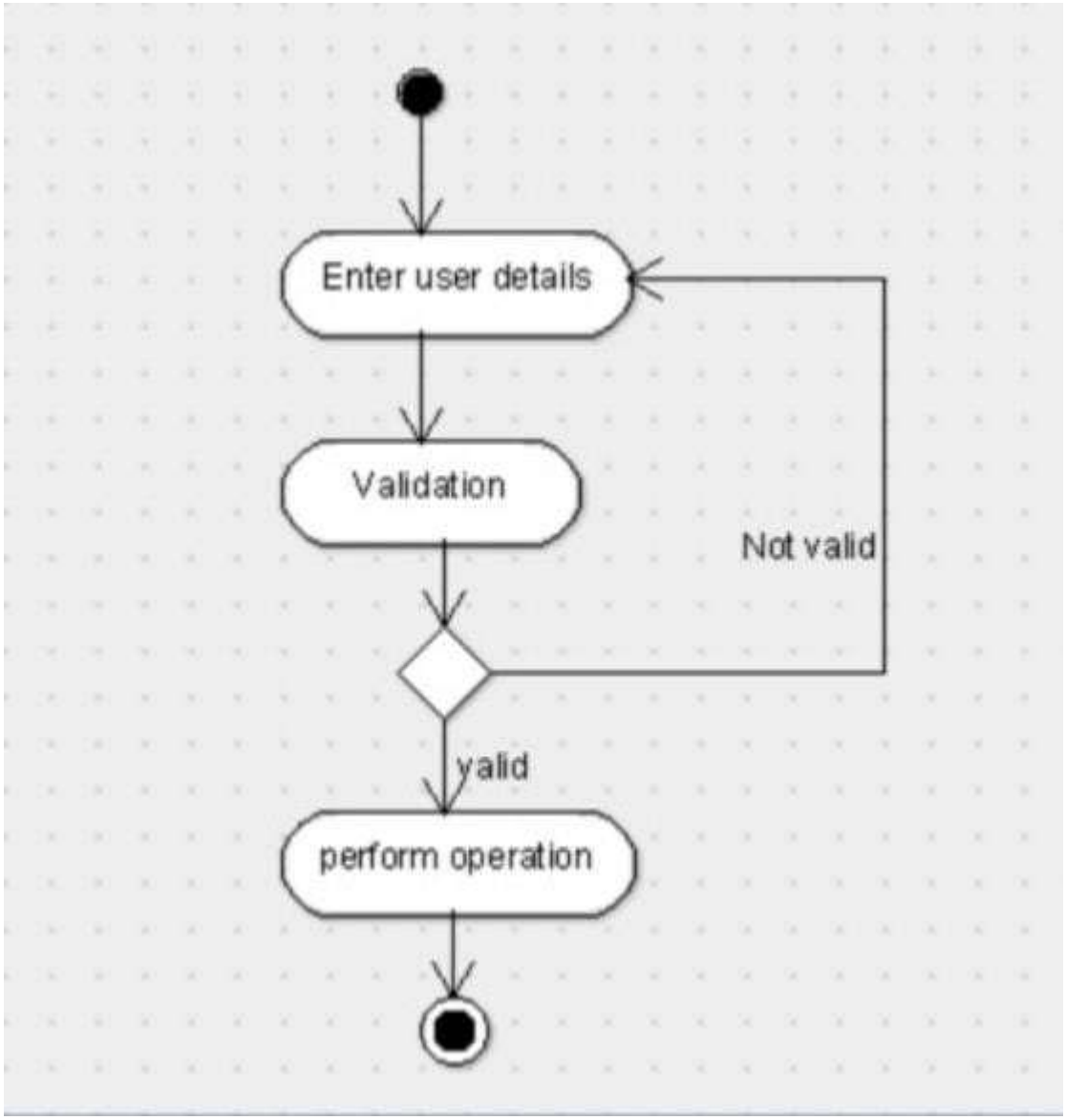
Class Diagram

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



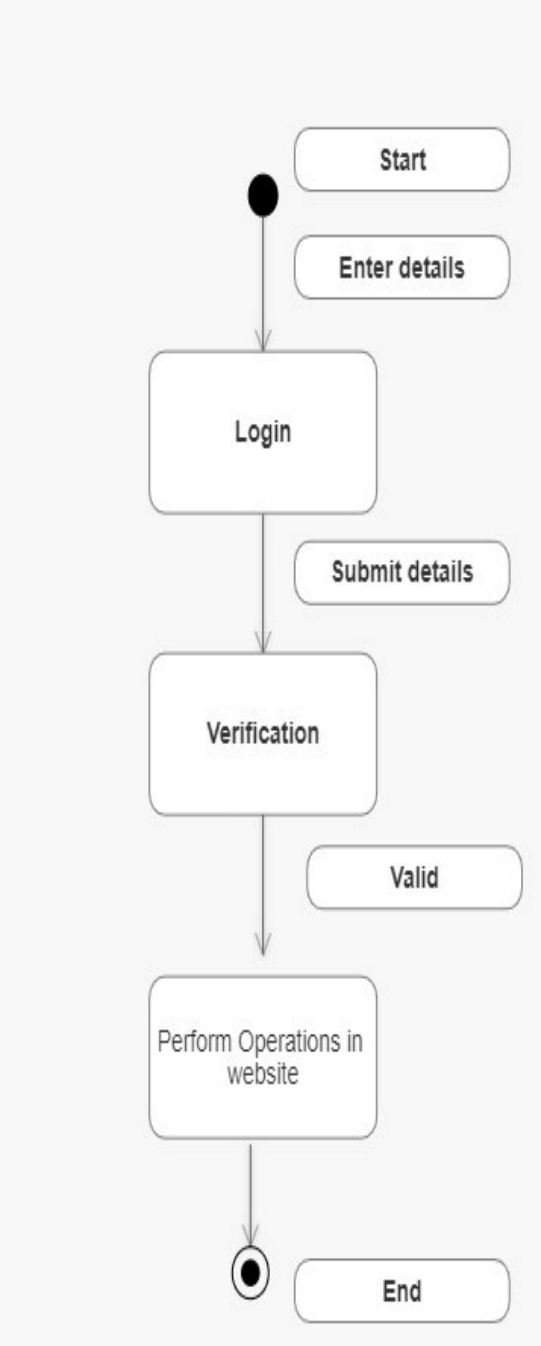
Activity Diagram

A diagram of the sequence of movements or actions of people or things involved in a complex system or activity and a graphical representation of a computer program in relation to its sequence of functions.



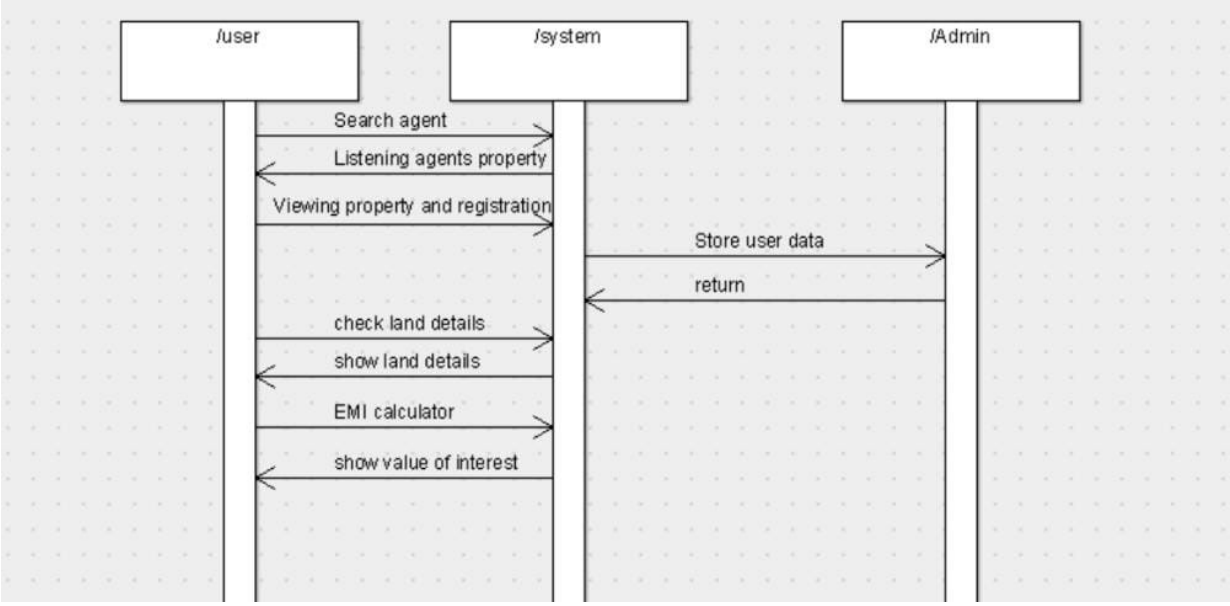
State Chart Diagram

State chart diagram describes the flow of control from one state to another state. States are defined as a condition in which an object exists and it changes when some event is triggered. The most important purpose of State chart diagram is to model lifetime of an object from creation to termination



Sequence Diagram

Sequence diagrams **describe interactions among classes in terms of an exchange of messages over time**. They're also called event diagrams. A sequence diagram is a good way to visualize and validate various runtime scenarios.



CHAPTER 5

CODING

Index.html

```
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>RET System</title>
<link href="https://fonts.googleapis.com/css?family=Quicksand|Russo+One&display=swap"
rel="stylesheet">
<link rel="stylesheet" href="index.css">
</head>
<body>
<div id="container">
<nav>
<ul>
<li><a href="#">Home</a></li>
<li><a href="#">Locations of Land</a>
<ul>
<li><a href="#">Avadi</a>
<ul>
<li><a href="avadi.html">Ganesh(Agent) Land Sale</a></li>
    </ul>
    </li>
     <li><a href="#">Poonamallee</a>
     <ul>
     <li><a href="poonamallee.html">Arumugam(Agent) Land Sale</a></li>
     </ul>
     </li>
     <li><a href="#">Ambattur</a>
     <ul>
     <li><a href="ambattur.html">Ramu(Agent) Land Sale</a></li>

      </ul>
        </li>
       </ul>
          </li>
```

```
        <li><a href="#">Land Catagories</a>

 <ul>
            <li><a href="house.html">House Villa</a></li>
            <li><a href="apartment.html">Apartment</a></li>
            <li><a href="empland.html">Empty Land</a><li></ul>


        <li><a href="#">Price Estimation</a>
 <ul>
            <li><a href="pr1.html">Total Price Calculator with Sq.feet price</a></li>
            <li><a href="pr2.html">Sq.feet Price calculator with Total Land price </a></li>

        </ul>
 </li>
        <li><a href="EMIcalc.html">EMI Calculator</a></li>
        <li>
        <li><a href="tech.html">Technical Support</a></li>
      </ul>
   </nav>
  <h1> <span>Real Estate Tech System Welcomes You</span></h1>
<img src="https://bit.ly/3POrZko" height=500 width=8000 class="center"></img>

</div>
 </body>
</html>
```

Index.css

```
body {
 background: yellow;
 font-size:22px;
 line-height: 32px;
 color: yellow;
 word-wrap:break-word !important;
 font-family: 'Quicksand', sans-serif;
 margin: 0;
 padding: 0;
}
 center {
```

```
  display: block;
  margin-left: auto;
  margin-right: auto;
  width: 50%;
}
h1 {
 font-size: 60px;
 text-align: center;
 color: #FFF;
 margin-top: 150px;
    font-family: 'Russo One', sans-serif;
 }
h1 span {
 color: #FF4649;
}
#container {
 margin: 0 auto;
}

nav {
 margin: 35px 0;
 background-color: #FF4649;
}
nav ul {
 padding: 0;
        margin: 0;
 list-style: none;
 position: relative;
 }
nav ul li {
 display:inline-block;
 background-color: #FF4649;
 }
nav a {
 display:block;
 padding:0 10px;
 color:white;
 font-size:20px;
 line-height: 60px;
 text-decoration:none;
}
```

```
nav a:hover {
 background-color: red;
}
nav ul ul {
 display: none;
 position: absolute;
 top: 60px;
}
nav ul li:hover > ul {
 display:inherit;
}
nav ul ul li {
 width:230px;
 float:none;
 display:list-item;
 position: relative;
}
nav ul ul ul li {
 position: relative;
 top:-60px;
 left:230px;
}
nav ul ul li {
 border: 1px solid white;
}
li > a: after { content:  ' ▼'; }
 li > a: only- child:after { content: ''; }
```

EMIcalc.html

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Emi Calculator</title>
    <script src="https://cdnjs.cloudflare.com/ajax/libs/canvasjs/1.7.0/canvasjs.min.js"
integrity="sha512-
```

```
FJ2OYvUIXUqCcPf1stu+oTBlhn54W0UisZB/TNrZaVMHHhYvLBV9jMbvJYtvDe5x/WV
aoXZ6KB+Uqe5hT2vlyA==" crossorigin="anonymous"></script>
   <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css"
integrity="sha384-
BVYiiSIFeK1dGmJRAkycuHAHRg32OmUcww7on3RYdg4Va+PmSTsz/K68vbdEjh4u"
crossorigin="anonymous">
   <link rel="stylesheet" href="EMICSS.css" type="text/css">
</head>
<body>
  <div class="container" style="display: flex;margin-top: 2%;">

  <div class="col-sm-6 col-12 card" >
       <H1>EMI Calculator</H1>
       <form name="loan-form">
       <div class='loanBlock'>
          <h3>Loan Amount</h3>
          <input type=number id="amount" style="border-radius:5px"><br>
       </div>
        <div class='aprBlock'>
          <h3>Interest Rate</h3>
          <input type="number" name="apr" id="apr" style="border-radius:5px"><br>
        </div>
         <div class='tenureBlock'>
         <h3>Time Periods(yrs)</h3>
        <input type=number name="tenure" id="tenure" style="border-radius:5px"><br>
        <br>
         </div>
         <div class="d-flex">
       <button style="border-radius:2px" id="find" class="btn-sub">Find Emi</button>
         </div>
       </form>
      <div>
 <div class="col-sm-5 col-12pl-3 card">
<h1>Results</h1><br/>
  <h3>Total EMI:          <span
    id="emi"></span></h3>
  <h3>Total Amount:     <span id="totalAmt"></span></h3>
  <div id="chartContainer" style="height: 300px; width: 100%;"></div>
 </div>
  </div>
```

```
  <script src='EMIJS.js'> </script>
  <script>
   </script>
  </body>
  </html>
```

EMICSS.css

```
body {
  display: grid;
  /* align-items: center;
  justify-content: center;
  align-content: center; */
  background-color: #FFBDA2;
}
input {
  width: 100%;
  height: 40px;
  color: black;

}
card {
  background-color: #0C0D29;
  box-shadow: -10px 10px 5px 5px #F0A384;
  padding: 20px;
   color: white;
}
h1{
  text-align: center;
}
option {
  display: flex;
  justify-content: space-between;
  margin-top: 5px;
}
label {
  color:  #F0A384;
}
password- result {
  display: flex;
  margin-bottom: 20px;
```

```
}
btn {
  background-color: #181934;
  color:  #fff;
  border: 0;

}
btn-sub {
  background-color: #181934;
  color:  #fff;
  border: 0;
  padding: 10px 30px;
  letter-spacing: 3px;
  text-transform: capitalize;
  margin-top: 10px;
  border: 1px solid white;
  display: flex;
  margin: auto;
  font-weight: bolder;

}
button {
  display: flex;
  justify-content: center;
  padding: 10px 20px;
  font-weight: bolder;
}
@media only screen and (min-width: 768px){
  card {
    width: 100%;
  }

}
```

Priceestimate1.html

```
<!doctype html>
<html>
<head>
<script>
function mul() {
```

```
var a, b, c;
a=Number(document.getElementById("first").value);
b=Number(document.getElementById("second").value);
c=a*b;
document.getElementById("answer").value=c;
}
</script>
</head>
<body>
   <body style="background-color:yellow;">
<br>
<br>
<br>
<br>
<center><h1><font color="blue">Total Sq.feet</font></h1><input id="first"><br></center>
<center><h1><font color="blue">Amount per Sq.feet<font></h1><input
id="second"><br><br></center>
<center><button onclick="mul()"><h1><font color="blue">Total Value of
land</font></h1></button></center>
<br>
<center><input id="answer"></center>
</body>
</html>
```

Priceestimate2.html

```
<!doctype html>
<html>
<head>
<script>
function div() {
var a, b, c;
a=Number(document.getElementById("first").value);
b=Number(document.getElementById("second").value);
c=a/b;
document.getElementById("answer").value=c;
}
</script>
</head>
<body>
   <body style="background-color:yellow;">
```

```
<br>
<br>
<br>
<br>
<center><h1><font color="blue">Total Sq.feet</font></h1><input id="first"><br></center>
<center><h1><font color="blue">Amount per Sq.feet<font></h1>
<input id="second"><br><br></center>
<center><button onclick="div()"><h1><font color="blue">Total Value of
land</font></h1></button></center>
<br>
<center><input id="answer"></center>
</body>
</html>
```

Feedback.html

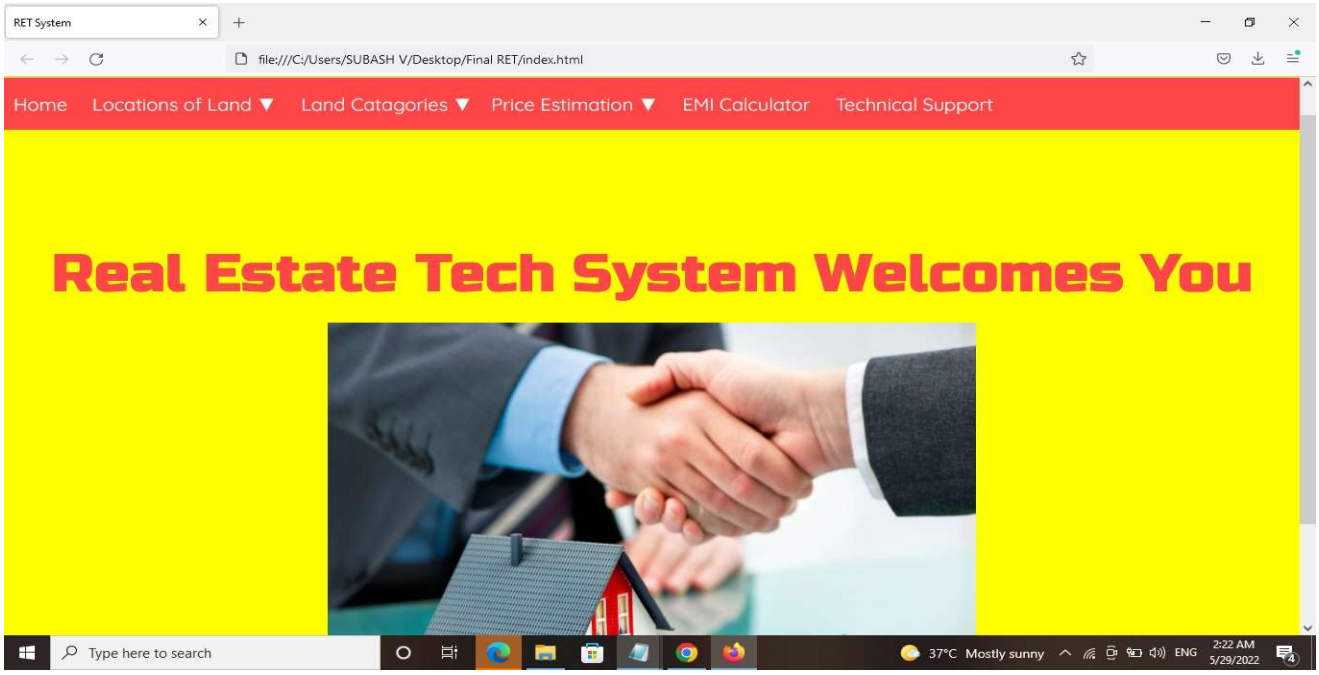
```
<html>
<head><title>Hello</title>
<body>
<body style="background-color:yellow;">
<p><ul><h3><b><font color="blue">Admin Contact Details</font><b></h3></ul></p>
<p><ul><h2><font color="red">-->Subash V      - 6380013456</h3></ul></p>
<p><ul><h2>-->Arun Prasad V - 8765807763</h3></ul></p>
<p><ul><h2>-->Venkat Raj M   - 7373664073</h3></ul></p>
<br>
<p><ul><h3><b><font color="blue">Email Support</font><b></h3></ul></p>
<p><ul><h2><b>realestatetechsystem@gmail.com<b></h3></ul></p>
<br>
<p><ul><h3><b><font color="blue">Please Fill Feedback and Queries in our Website in the
below Form</font><b></h3></ul></p>
<p><ul><h2><b><a
href="https://docs.google.com/forms/d/e/1FAIpQLScVLXD0A6yD1DvtuNkTixGvx4WY5
WHgUrbk4hXE_8-o0EHQng/viewform?usp=sf_link">CLICK MY FEEDBACK
FORM</a><b></h3></ul></p>
<br>
<p><marquee><h1><span>WELCOME!!! WELCOME!!!
WELCOME!!!</span></h1></marquee></p>
</body></html>
```

Avadi.html

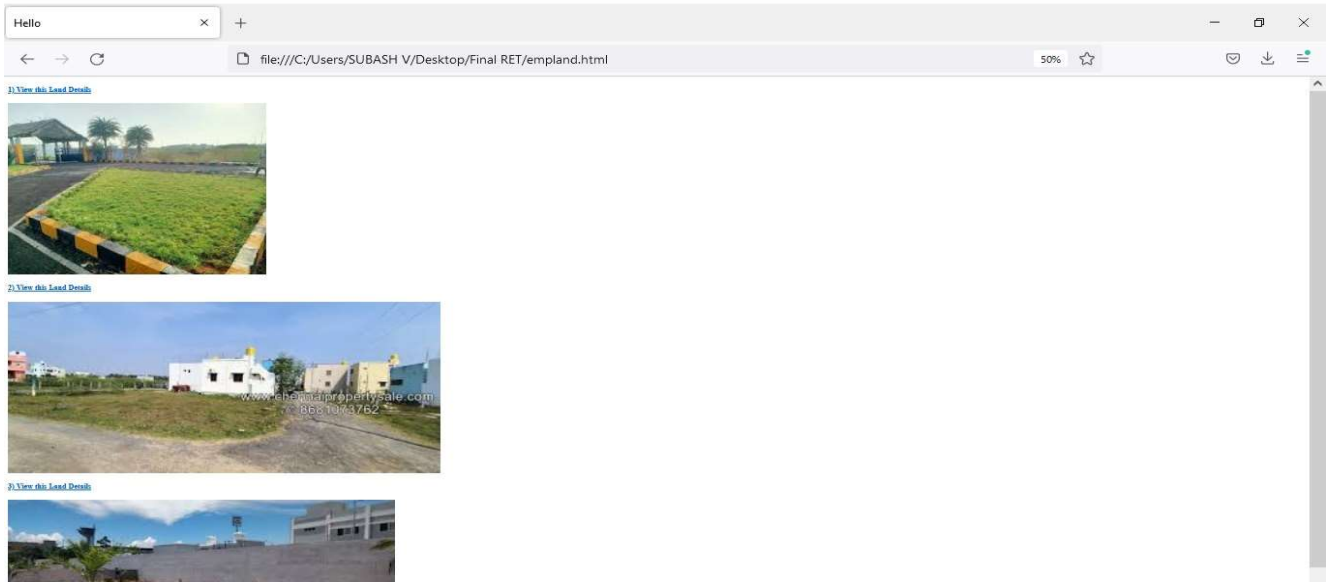
```
<html>
<head><title>Hello</title>
<body>
<body style="background- color:yellow;">
<center><p><h1>Details About the Land</h1></p></center>
<center><p><ul><h2><a href="https://bit.ly/3LKcGGg">Click the link to View land
location in Map</a></h2></ul></p></center>
<center><p><ul><h3> Land Type: House builted Land</h3></ul></p></center>
<center><p><ul><h3> Land Place: Avadi</h3></ul></p></center>
<center><p><ul><h3> Total price: Rs.15,67,000</h3></ul></p></center>
<center><p><ul><h3> Land Owner Name: Maaran</h3></ul></p></center>
<center><p><ul><h3> Owner contact Number: 9544583872 </h3></ul></p></center>
<center><p><ul><h3> Land Patta Number: 447 </h3></ul></p></center>
<center><p><ul><h3> Land Total sq feet: 1060 </h3></ul></p></center>
<center><img src="https://bit.ly/3t1TQ6G" height="200" width="400"></img></center>
<center><p><ul><h3><a href="https://bit.ly/3mazGnz">Click link to see Patta
Details</a></h3></ul></p></center>
<center><p><ul><h3><a href="payment.html">Pay Advance Amount for Pre Booking this
Property</a></h3></ul></p></center>
<center><p><ul><h2><b><a href="https://bit.ly/3GrCuWu">CLICK FORM TO Pre
Booking this Property</a><b></h3></ul></p></center>
</body>
</html>
```

CHAPTER 6
SCREEN SHOTS

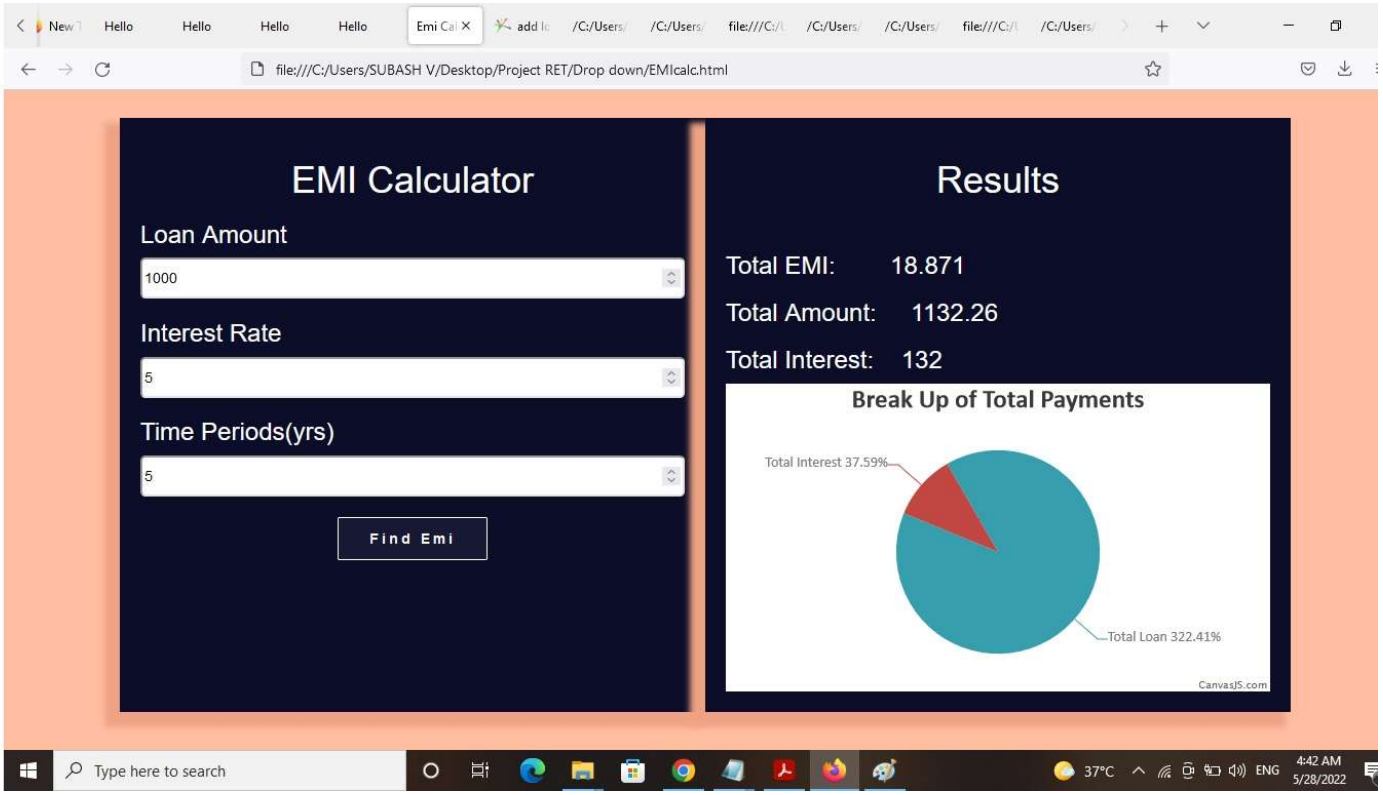
Home Page Screen



Location Screen

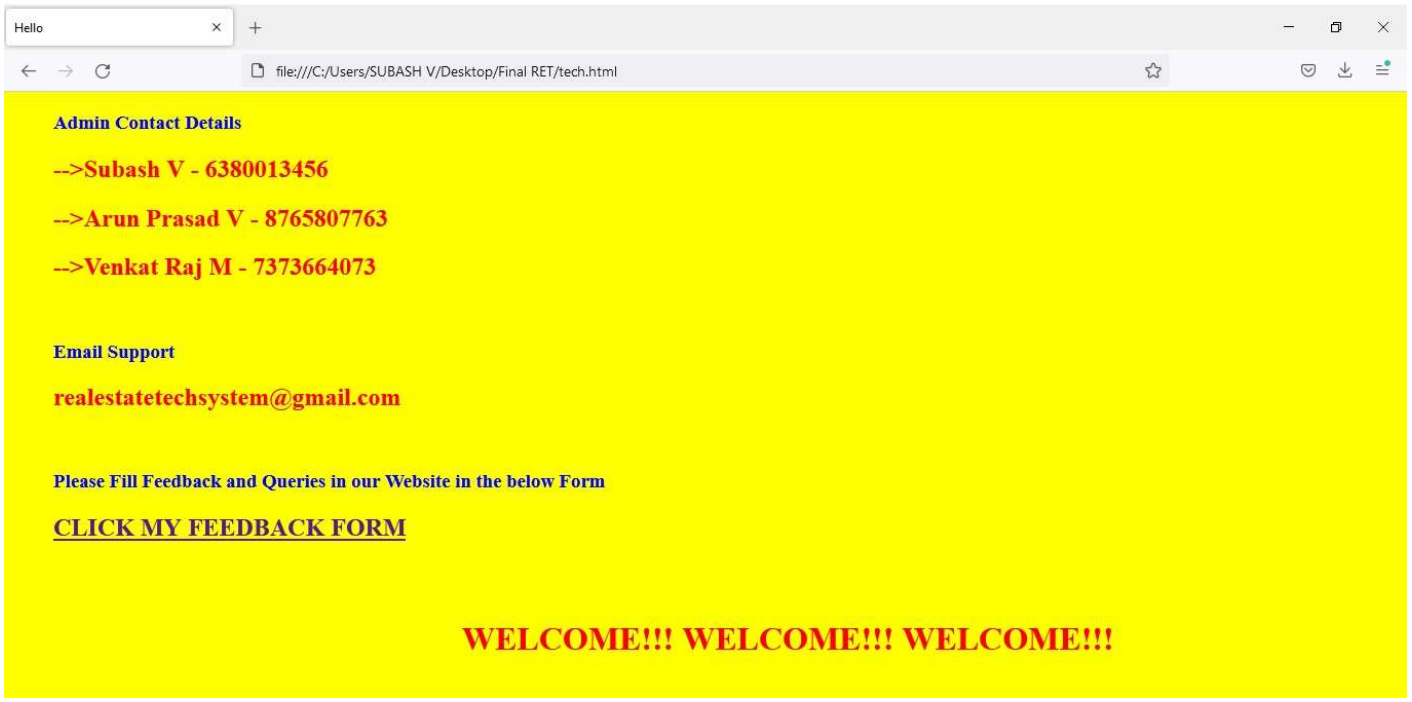


EMI Calculator Screen

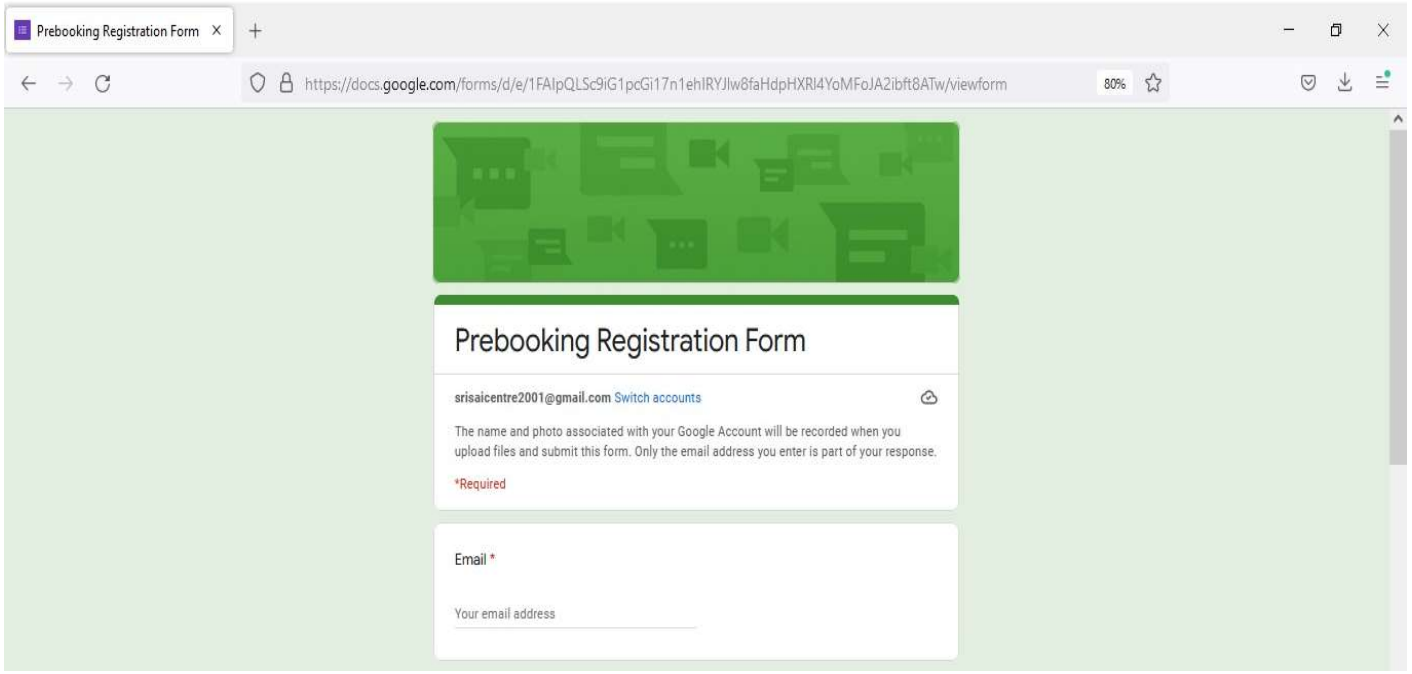


Price Estimation Screen

Technical Support Screen



Prebooking Registration Screen



CHAPTER 7

CONCLUSION

The main purpose to develop this real estate management system project to resolve the issue of both buyer and seller. The seller can submit the property what he wants to sale with a full house or flat detail such as location, area, hall, kitchen, furnished, semi-furnished, price, and all facilities can list in the form, Buyer can search the property according to their budget, location then direct contact to the seller. Provide easier access to our website.

FUTURE ENHANSEMENT

- VIP passes provided them all access to your plan hence fourth your team will deal with all access.
- Preparing to plan a team which helps to build house and demolish the old one to new.
- Renting facility will be provided for ware house and commercial areas.