**COURSE END PROJECT**

**REAL ESTATE MANAGEMENT SYSTEM**

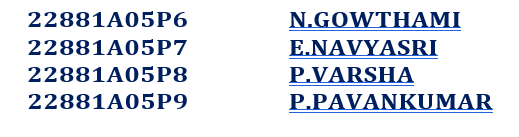
**WEB TECHNOLOGIES LABORATORY (A8605)**

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

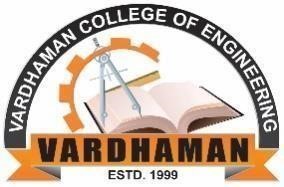
**SUBMITTED BY**



**UNDER THE GUIDANCE OF**

Mr.GANESH DESHMUKH

Assistant Professor,Dept of CSE



**DEPARTMENTOFCOMPUTERSCIENCEANDENGINEERING**

**VARDHAMANCOLLEGEOFENGINEERING**

(AUTONOMOUS)

AffiliatedtoJNTUH,ApprovedbyAICTE,AccreditedbyNAACwithA++Grade,UGC

“College with Potential for Excellence” and ISO 9001:2015 Certified**Shamshabad–501218,Hyderabad**

# DEC, ,2024



**VARDHAMANCOLLEGEOFENGINEERING**

(AUTONOMOUS)

AffiliatedtoJNTUH,ApprovedbyAICTE,AccreditedbyNAACwithA++Grade,UGC“

CollegewithPotentialforExcellence”andISO9001:2015 Certified

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**Course End Project**

**Web Technologies Laboratory (A8603)**

**CheckList**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No.** |  | **Content** | **Status (**✓**/×)** |
| 1 | Abstract |  | ✓ |
| 2 | Objectives |  | ✓ |
| 3 | ProblemStatement |  | ✓ |
| 4 | Algorithm |  | ✓ |
| 5 | FlowChart |  | ✓ |
| 6 | SourceCode |  | ✓ |
| 7 | Input |  | ✓ |
| 8 | Output |  | ✓ |
| 9 | Conclusion |  | ✓ |
| 10 | FutureScope |  | ✓ |
| 11 | References |  | ✓ |

**Signature of the**

**Guide**

Mr. Ganesh Deshmukh

AssistantProfessor

Dept.of CSE

**CourseEndProject**

**DataStructuresLaboratory (A8507)**

**TableofContent**

|  |  |  |
| --- | --- | --- |
| **S.No.** | **Content** | **Page.No.** |
| 1 | Abstract | 1 |
| 2 | ProblemStatement | 2 |
| 3 | Objectives | 3 |
| 4 | Algorithm | 4 |
| 5 | FlowChart | 5 |
| 6 | SourceCode | 6-8 |
| 7 | Input | 9-10 |
| 8 | Output | 11 |
| 9 | Conclusion | 12 |
| 10 | FutureScope | 12 |
| 11 | References | 13 |

# ABSTRACT

The Online Real Estate Management System is a web-based application designed to streamline property transactions between buyers, sellers, and agents. Built using JSP and Java, the system provides a secure and efficient platform for listing, searching, and managing real estate properties. It incorporates features like user authentication, property posting, profile management, and search functionalities. The backend utilizes MySQL for database management, while the frontend is designed for user-friendly navigation. Hosted on a Tomcat server, the application ensures scalability and robustness. This system aims to bridge the gap in the real estate market by offering an accessible and transparent digital solution.

# PROBLEM STATEMENT

Traditional real estate transactions are often cumbersome, time-consuming, and lack transparency. Buyers face challenges in finding properties that meet their requirements, while sellers struggle to connect with genuine buyers. Middlemen inflate costs, and there is limited access to detailed property information. Additionally, property management for agencies is tedious without centralized data. The absence of a digital platform integrating all stakeholders in the real estate ecosystem exacerbates these issues, creating a demand for an efficient, scalable, and user-friendly solution.

# OBJECTIVES

* Simplify property listing and search processes.
* Ensure secure user authentication and role-based access control.
* Provide a centralized database for property and user management.
* Enable users to post and edit property listings with ease.
* Facilitate seamless communication between buyers, sellers, and administrators.
* Ensure data integrity and secure transactions.
* Provide real-time property search with filters for user convenience.

# 4.ALGORITHM

**Prerequisites**

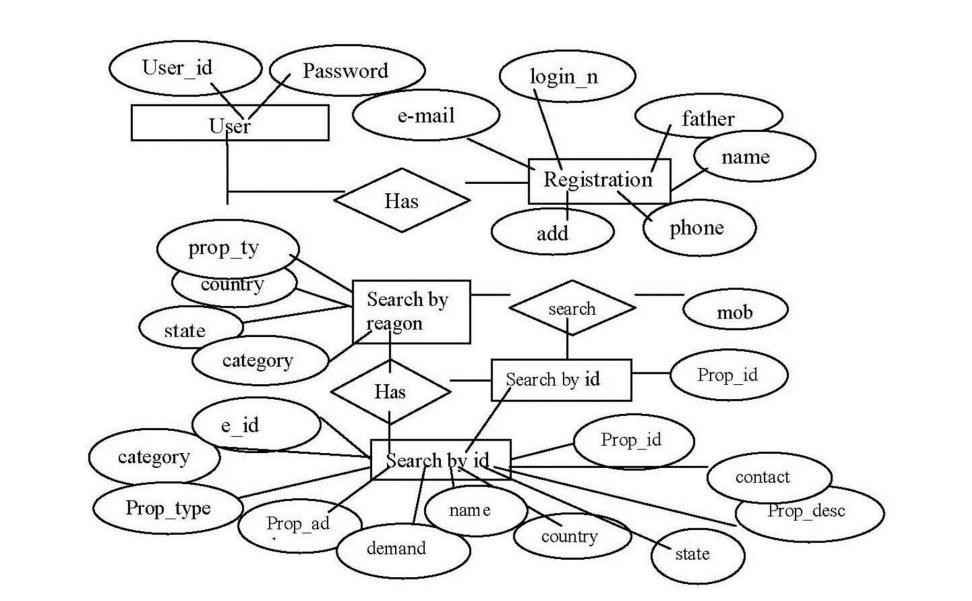
1. XAMPP: Installed XAMPP to set up Apache,Tomcat,JDK and MySQL on our local machine.

## Steps

1. Install and configure XAMPP, ensuring the MySQL and Tomcat servers are active.
2. Place the project folder in the webapps directory of the Tomcat server.
3. Import the ores.sql file into MySQL using phpMyAdmin to set up the database.
4. Configure database credentials in MyConnection.java.
5. Start the Tomcat server via the XAMPP control panel.
6. Access the application by navigating to http://localhost:8080/<project-folder-name>/index.jsp.
7. Test functionalities like user registration, property posting, and admin dashboard.

# FLOWCHART

A flowchart is a graphical representation of a process or system, showing the steps or actions in sequence. It helps visualize how a process works, identify potential issues, and communicate complex procedures clearly.



# SOURCECODE

## index.jsp

<%@page import="bags.property\_bag"%>

<%@page import="java.util.Iterator"%>

<%@page import="java.util.List"%>

<%@page import="DAO.Property\_DAO"%>

<%@page import="common.MyConnection"%>

<%@include file="admin/common/login\_check.jsp" %>

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8"> <title>Home</title>

<%@include file="common/cdn.jsp" %>

<link rel="stylesheet" href="css/common.css">

</head>

<body>

<%@include file="common/header.jsp" %>

<header class="masthead">

<div class="container">

<div class="intro-text">

<div class="intro-lead-in">WELCOME TO ORES ! !</div>

<div class="intro-heading text-uppercase">The Key To Your House<br></div>

</div>

</div>

</header>

<div class="container-fluid">

<!-----------property section------------>

<section class="property-section">

<h1 style="text-align: center">Latest Properties</h1> <div class="row">

<%

Property\_DAO pd=new Property\_DAO(MyConnection.connectTo());

List lia=pd.getAlldata(); Iterator iter1=lia.iterator(); while(iter1.hasNext()){

property\_bag pb=(property\_bag)iter1.next();

%>

<div class="col-sm-2" style="padding: 20px;">

<div class="property\_wrapper" style="text-align: center;">

<img src="<%= pb.getPath()%>" class="pimg" style="width: 185px; height: 185px; display: inline; border: 1px solid black; border-radius: 5px;"><br><br>

<div class="property\_pname">

<h5 style="font-weight: bold; display: inline;">Property Name: </h5> <h5 style="display: inline;"><%= pb.getPname() %></h5>

</div>

<div class="property\_price">

<h5 style="font-weight: bold; display: inline">Price: </h5>

<h5 style="display: inline;"><%= pb.getPrice() %> <span>&#8377;</span></h5>

</div>

<div class="property\_cityname">

<h5 style="font-weight: bold; display: inline">City name: </h5> <h5 style="display: inline;"><%= pb.getCityname() %></h5>

</div>

<div class="property\_srproperty">

<h5 style="font-weight: bold; display: inline">Property status: </h5> <h5 style="display: inline;"><%= pb.getSrproperty() %></h5>

</div>

<div class="property\_ptype">

<h5 style="font-weight: bold; display: inline">Type: </h5>

<h5 style="display: inline;"><%= pb.getPtype() %></h5>

</div>

<div class="property\_psubtype">

<h5 style="font-weight: bold; display: inline">Sub-Type: </h5>

<h5 style="display: inline;"><%= pb.getPsubtype() %></h5>

</div><br>

<a href="checkOut?pid=<%= pb.getPid()%>"><button class="userbutton">Check Out</button></a><br><br>

</div><br>

</div>

<%

}

%>

</div>

</section>

<!---------property section----------->

<!---------banner section---------->

<section class="banner-section">

<div class="row">

<div class="col-sm-12">

<img src="C:\Users\HP\OneDrive\Documents\NetBeansProjects\Project\web\img\banner\_1.png">

</div>

</div>

</section>

<!---------banner section---------->

<!-----------property section------------>

<section class="property-section">

<h1 style="text-align: center">Properties for Rent</h1> <div class="row">

<%

List lrent=pd.getAlldataRent(); Iterator irent=lrent.iterator(); while(irent.hasNext()){

property\_bag pb=(property\_bag) irent.next();

%>

<div class="col-sm-3" style="padding: 30px;">

<div class="property\_wrapper" style="text-align: center;">

<img src="<%= pb.getPath()%>" class="pimg" style="width: 300px; height: 260px; display: inline; border: 1px solid black; border-radius: 5px;"><br><br>

<div class="property\_pname">

<h4 style="font-weight: bold; display: inline;">Property Name: </h4> <h4 style="display: inline;"><%= pb.getPname() %></h4>

</div><br>

<div class="property\_price">

<h4 style="font-weight: bold; display: inline">Price: </h4>

<h4 style="display: inline;"><%= pb.getPrice() %> <span>&#8377;</span></h4>

</div><br>

<div class="property\_cityname">

<h4 style="font-weight: bold; display: inline">City name: </h4> <h4 style="display: inline;"><%= pb.getCityname() %></h4>

</div><br>

<div class="property\_srproperty">

<h4 style="font-weight: bold; display: inline">Property status: </h4> <h4 style="display: inline;"><%= pb.getSrproperty() %></h4> </div><br>

<div class="property\_ptype">

<h4 style="font-weight: bold; display: inline">Type: </h4>

<h4 style="display: inline;"><%= pb.getPtype() %></h4> </div><br>

<div class="property\_psubtype">

<h4 style="font-weight: bold; display: inline">Sub-Type: </h4>

<h4 style="display: inline;"><%= pb.getPsubtype() %></h4>

</div><br>

<a href="checkOut?pid=<%= pb.getPid()%>"><button class="userbutton">Check Out</button></a><br><br>

</div><br><br>

</div>

<%

}

%>

</div>

</section>

<!---------property section----------->

<!---------banner section---------->

<section class="banner-section">

<div class="row">

<div class="col-sm-12">

<img src="C:\Users\HP\OneDrive\Documents\NetBeansProjects\Project\web\img\banner\_2.png">

</div>

</div>

</section>

<!---------banner section---------->

<!-----------property section------------>

<section class="property-section">

<h1 style="text-align: center">Properties for Sale</h1>

<div class="row">

<% List lsell=pd.getAlldataSell(); Iterator isell=lsell.iterator(); while(isell.hasNext()){

property\_bag pb=(property\_bag) isell.next();

%>

<div class="col-sm-3" style="padding: 30px;">

<div class="property\_wrapper" style="text-align: center;">

<img src="<%= pb.getPath()%>" class="pimg" style="width: 300px; height: 260px; display: inline; border: 1px solid black; border-radius: 5px;"><br><br>

<div class="property\_pname">

<h4 style="font-weight: bold; display: inline;">Property Name: </h4> <h4 style="display: inline;"><%= pb.getPname() %></h4>

</div><br>

<div class="property\_price">

<h4 style="font-weight: bold; display: inline">Price: </h4>

<h4 style="display: inline;"><%= pb.getPrice() %> <span>&#8377;</span></h4>

</div><br>

<div class="property\_cityname">

<h4 style="font-weight: bold; display: inline">City name: </h4> <h4 style="display: inline;"><%= pb.getCityname() %></h4>

</div><br>

<div class="property\_srproperty">

<h4 style="font-weight: bold; display: inline">Property status: </h4> <h4 style="display: inline;"><%= pb.getSrproperty() %></h4> </div><br>

<div class="property\_ptype">

<h4 style="font-weight: bold; display: inline">Type: </h4>

<h4 style="display: inline;"><%= pb.getPtype() %></h4> </div><br>

<div class="property\_psubtype">

<h4 style="font-weight: bold; display: inline">Sub-Type: </h4>

<h4 style="display: inline;"><%= pb.getPsubtype() %></h4>

</div><br>

<a href="checkOut?pid=<%= pb.getPid()%>"><button class="userbutton">Check Out</button></a><br><br>

</div><br><br>

</div>

<%

}

%>

</div>

</section>

<!---------property section----------->

<!---------banner section---------->

<section class="banner-section">

<div class="row">

<div class="col-sm-12">

<img src="C:\Users\HP\OneDrive\Documents\NetBeansProjects\Project\web\img\banner\_3.png">

</div>

</div>

</section>

<!---------banner section---------->

</div>

<%@include file="common/footer.jsp" %>

</body>

</html>

## signin.jsp

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8"> <title>Sign in</title>

<%@include file="common/cdn.jsp" %>

<link rel="stylesheet" href="css/common.css">

</head>

<body>

<%@include file="common/header.jsp" %>

<div class="container signup">

<h1>SIGN IN</h1>

<%

if(request.getParameter("info")!=null){

out.print("<h4><b style='color: red'>Email</b> is invalid</h4>");

}

%>

<form method="post" action="Signin">

<div class="row">

<div class="col-sm-6">

<label>Email</label>

<input class="form-control" type="email" name="email" required="">

</div>

<div class="col-sm-6">

<label>Password</label>

<input class="form-control" type="password" name="password" required="">

</div>

</div>

<div class="row">

<div class="col-sm-12">

<button type="submit" class="btn btn-success">Login</button>

<b>Click on Sign up if not registered?</b>

<a href="signup.jsp">Sign up</a>

</div>

</div>

</form>

</div>

<%@include file="common/footer.jsp" %>

</body>

</html>

## signup.jsp

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

<title>Sign up</title>

<%@include file="common/cdn.jsp" %>

<link rel="stylesheet" href="css/common.css">

</head>

<body>

<%@include file="common/header.jsp" %>

<div class="container signup">

<h1>SIGN UP</h1>

<%

if(request.getParameter("info")!=null){

out.print("<h4>Check Contact and Email once again ! !</h4>");

}

%>

<form method="post" action="Signup" enctype="multipart/form-data">

<div class="row">

<div class="col-sm-6">

<label>Name</label>

<input class="form-control" type="text" name="name" required="">

</div>

<div class="col-sm-6">

<label>Contact</label>

<input class="form-control" type="text" name="contact" required="">

</div>

</div>

<div class="row">

<div class="col-sm-6">

<label>Email</label>

<input class="form-control" type="email" name="email" required="">

</div>

<div class="col-sm-6">

<label>Password</label>

<input class="form-control" type="password" name="password" required="">

</div>

</div>

<div class="row">

<div class="col-sm-6">

<label>Profile image</label>

<input class="upload-box" type="file" id="file" name="file" required="">

</div>

<div class="col-sm-6" style="margin-top: 30px;">

<button type="submit" class="btn btn-success">Submit</button>

<b style="margin-left: 40px;">Click on Sign in if already have an account?</b> <a href="signin.jsp">Sign In</a>

</div>

</div>

</form>

</div>

<%@include file="common/footer.jsp" %>

</body>

</html>

## updateprofile.jsp

<%@page import="bags.Signup"%>

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

<title>ORES</title>

<%@include file="common/cdn.jsp" %>

<link rel="stylesheet" href="css/common.css">

</head> <body>

<form method="post" action="updateProfile\_controller" enctype="multipart/form-data">

<div class="container" style="margin-top: 40px;margin-left: 50px;">

<div class="row">

<div class="col-sm-12" style="margin-left: 50px;">

<a href="profile.jsp"><input type="button" value="< BACK" class="btn btn-success" style="background-color: #404040; color: white; "></a>

</div>

</div><br><br><br><br>

<div class="row" style="align-content: center;">

<div class="col-sm-2"></div>

<div class="col-sm-8" style="box-shadow: 0 20px 50px 0 rgba(68, 88, 144, 1); text-align: center; marginleft: 130px; margin-top: -60px;"> <h1>Change Details</h1>

<div class="row">

</div>

<%

if(session.getAttribute("Signup")!=null){

Signup ub=(Signup)session.getAttribute("Signup");

%>

<br>

<div class="row">

<div class="col-sm-6" style="text-align: center;">

<img src="<%= ub.getPath() %>" class="profileimg" style="width: 150px; height: 150px; border: 1px solid #7952b3; border-radius: 180px;">

</div>

<div class="col-sm-6" style="padding: 15px;text-align: center;"> <div class="row">

<div class="col-sm-12" style="padding: 15px;">

Change profile image?<br>You can upload here &#x2193;

</div>

<div class="col-sm-12" style="padding: 15px;">

<input class="update-box" type="file" id="file" name="file" style="width: 260px; height:

35px;">

</div>

</div>

</div>

</div>

<div class="row">

<div class="col-sm-3"></div>

<div class="col-sm-6" style="padding: 15px;">

<input type="text" name="name" value="<%= ub.getName()%>" class="form-control" required="">

</div>

<div class="col-sm-3"></div>

</div>

<div class="row">

<div class="col-sm-3"></div>

<div class="col-sm-6" style="padding: 15px;">

<input type="text" name="contact" value="<%= ub.getContact() %>" class="form-control" required="">

</div>

<div class="col-sm-3"></div>

</div>

<div class="row">

<div class="col-sm-3"></div>

<div class="col-sm-6" style="padding: 15px;">

<input type="email" name="email" value="<%= ub.getEmail() %>" class="form-control" required="">

</div>

<div class="col-sm-3"></div>

</div>

<div class="row">

<div class="col-sm-3"></div>

<div class="col-sm-6" style="padding: 15px;">

Change <a href="changePassword.jsp">Password</a>

</div>

<div class="col-sm-3"></div>

</div><br>

<%

}

%>

<div class="row">

<div class="col-sm-12">

<button class="btn btn-success" type="submit">Update</button>

</div>

</div><br><br>

</div>

<div class="col-sm-2"></div>

</div>

</div>

</form>

</body>

</html>

## profile.jsp

<%@page import="bags.Signup"%>

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

<title>Profile</title>

<%@include file="common/cdn.jsp" %>

<link rel="stylesheet" href="css/common.css">

</head>

<body>

<%@include file="admin/common/header.jsp" %>

<div class="container">

<div class="row" style="padding-top: 20px;">

<div class="col-sm-3">&nbsp;</div>

<div class="col-sm-6" style="background-color: #cccccc; border: 1px solid black; border-radius: 20px; padding: 40px;">

<%

if(session.getAttribute("Signup") !=null){

Signup sb=(Signup) session.getAttribute("Signup");

%>

<div class="row">

<div class="col-sm-12" style="text-align: center;">

<img src="<%= sb.getPath() %>" class="pimg" style="width: 300px; height: 260px; border: 1px solid black; border-radius: 180px;">

</div>

</div><br><br>

<div class="row">

<div class="col-sm-12">

<h3 style="font-size: 20px; font-weight: bold; display: inline; margin-left: 95px;">Name:</h3><h3 style="text-transform: uppercase; font-size: 20px; display: inline; margin-left: 125px;"><%= sb.getName() %></h3><br><br>

<h3 style="font-size: 20px; font-weight: bold; display: inline; margin-left: 95px;">Email:</h3><h3 style=" font-size: 20px; display: inline; margin-left: 125px;"><%= sb.getEmail() %></h3><br><br>

<h3 style="font-size: 20px; font-weight: bold; display: inline; margin-left: 95px;">Contact:</h3><h3 style=" font-size: 20px; display: inline; margin-left: 105px;"><%= sb.getContact() %></h3><br><br>

<h3 style="font-size: 20px; font-weight: bold; display: inline; margin-left: 95px;">Role:</h3><h3 style="text-transform: uppercase; font-size: 20px; display: inline; margin-left: 135px;"><%= sb.getRole() %></h3><br><br>

</div>

<%

}

%>

</div>

<div class="row" style="padding-top: 25px;">

<div class="col-sm-12" style="text-align: center;">

<a href="updateProfile.jsp"><input type="button" class="upbtn" value="Update" style="backgroundcolor: #4CAF50; color: white; font-size: 20px;border: 2px solid #4CAF50;padding: 10px 25px;text-align: center;text-decoration:

none;

display: inline-block;border-radius: 25px;"></a> </div>

</div>

</div>

<div class="col-sm-3">&nbsp;</div>

</div>

</div>

<%@include file="common/footer.jsp" %>

</body>

</html>

## Property.jsp

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8"> <title>Property</title>

<%@include file="common/cdn.jsp" %>

<link rel="stylesheet" href="css/common.css">

</head>

<body>

<%@include file="common/header.jsp" %>

<div class="container">

<div class="row">

<div class="col-sm-7" style="background-color: greenyellow;">

</div>

<div class="col-sm-1"></div>

<div class="col-sm-4" style="background-color: grey;"> details

</div>

</div>

</div>

<%@include file="common/footer.jsp" %>

</body>

</html>

## web.xml

<?xml version="1.0" encoding="UTF-8"?>

<web-app version="3.1" xmlns="http://xmlns.jcp.org/xml/ns/javaee" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee http://xmlns.jcp.org/xml/ns/javaee/web-app\_3\_1.xsd">

<servlet>

<servlet-name>Signup\_controller</servlet-name>

<servlet-class>controller.Signup\_controller</servlet-class> </servlet>

<servlet>

<servlet-name>Signin\_controller</servlet-name>

<servlet-class>controller.Signin\_controller</servlet-class> </servlet>

<servlet>

<servlet-name>AdminSignin\_controller</servlet-name>

<servlet-class>controller.AdminSignin\_controller</servlet-class> </servlet>

<servlet>

<servlet-name>signupDelete</servlet-name>

<servlet-class>controller.signupDelete</servlet-class>

</servlet>

<servlet>

<servlet-name>logout</servlet-name>

<servlet-class>controller.logout</servlet-class>

</servlet>

<servlet>

<servlet-name>Signout\_controller</servlet-name>

<servlet-class>controller.Signout\_controller</servlet-class>

</servlet>

<servlet>

<servlet-name>AdminSignup\_controller</servlet-name>

<servlet-class>common.AdminSignup\_controller</servlet-class>

</servlet>

<servlet>

<servlet-name>AdminAdd\_controller</servlet-name>

<servlet-class>controller.AdminAdd\_controller</servlet-class>

</servlet>

<servlet>

<servlet-name>adminDelete</servlet-name>

<servlet-class>controller.adminDelete</servlet-class>

</servlet>

<servlet>

<servlet-name>adminUpdate</servlet-name>

<servlet-class>controller.adminUpdate</servlet-class>

</servlet>

<servlet>

<servlet-name>property\_insert\_controller</servlet-name>

<servlet-class>controller.property.property\_insert\_controller</servlet-class> </servlet>

<servlet>

<servlet-name>search\_controller</servlet-name>

<servlet-class>controller.search\_controller</servlet-class>

</servlet>

<servlet>

<servlet-name>Logout\_controller</servlet-name>

<servlet-class>controller.Logout\_controller</servlet-class>

</servlet>

<servlet>

<servlet-name>PropertySearch\_controller</servlet-name>

<servlet-class>controller.PropertySearch\_controller</servlet-class>

</servlet>

<servlet>

<servlet-name>AddAdmin\_controller</servlet-name>

<servlet-class>controller.AddAdmin\_controller</servlet-class>

</servlet>

<servlet>

<servlet-name>Property\_controller</servlet-name>

<servlet-class>controller.Property\_controller</servlet-class>

</servlet>

<servlet>

<servlet-name>updateProfile\_controller</servlet-name>

<servlet-class>controller.updateProfile\_controller</servlet-class>

</servlet>

<servlet>

<servlet-name>viewProfile</servlet-name>

<servlet-class>controller.viewProfile</servlet-class>

</servlet>

<servlet>

<servlet-name>contact</servlet-name>

<servlet-class>controller.contact</servlet-class>

</servlet>

<servlet>

<servlet-name>changePassword</servlet-name>

<servlet-class>controller.changePassword</servlet-class>

</servlet>

<servlet>

<servlet-name>checkOut</servlet-name>

<servlet-class>controller.checkOut</servlet-class>

</servlet>

<servlet>

<servlet-name>addFAQ\_controller</servlet-name>

<servlet-class>controller.addFAQ\_controller</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>Signup\_controller</servlet-name>

<url-pattern>/Signup</url-pattern>

</servlet-mapping>

<servlet-mapping>

<servlet-name>Signin\_controller</servlet-name>

<url-pattern>/Signin</url-pattern>

</servlet-mapping>

<servlet-mapping>

<servlet-name>AdminSignin\_controller</servlet-name>

<url-pattern>/AdminSignin</url-pattern>

</servlet-mapping>

<servlet-mapping>

<servlet-name>signupDelete</servlet-name>

<url-pattern>/signupDelete</url-pattern>

</servlet-mapping>

<servlet-mapping>

<servlet-name>logout</servlet-name>

<url-pattern>/logout</url-pattern>

</servlet-mapping>

<servlet-mapping>

<servlet-name>Signout\_controller</servlet-name>

<url-pattern>/Signout</url-pattern>

</servlet-mapping>

<servlet-mapping>

<servlet-name>AdminSignup\_controller</servlet-name>

<url-pattern>/AdminSignup</url-pattern>

</servlet-mapping>

<servlet-mapping>

<servlet-name>AdminAdd\_controller</servlet-name>

<url-pattern>/AdminAdd</url-pattern>

</servlet-mapping>

<servlet-mapping>

<servlet-name>adminDelete</servlet-name>

<url-pattern>/adminDelete</url-pattern>

</servlet-mapping>

<servlet-mapping>

<servlet-name>adminUpdate</servlet-name>

<url-pattern>/adminUpdate</url-pattern>

</servlet-mapping>

<servlet-mapping>

<servlet-name>property\_insert\_controller</servlet-name>

<url-pattern>/property\_insert\_controller</url-pattern>

</servlet-mapping>

<servlet-mapping>

<servlet-name>search\_controller</servlet-name>

<url-pattern>/search</url-pattern>

</servlet-mapping>

<servlet-mapping>

<servlet-name>Logout\_controller</servlet-name>

<url-pattern>/Logout\_controller</url-pattern>

</servlet-mapping>

<servlet-mapping>

<servlet-name>PropertySearch\_controller</servlet-name>

<url-pattern>/PropertySearch\_controller</url-pattern>

</servlet-mapping>

<servlet-mapping>

<servlet-name>AddAdmin\_controller</servlet-name>

<url-pattern>/AddAdmin\_controller</url-pattern>

</servlet-mapping>

<servlet-mapping>

<servlet-name>Property\_controller</servlet-name>

<url-pattern>/Property\_controller</url-pattern>

</servlet-mapping>

<servlet-mapping>

<servlet-name>updateProfile\_controller</servlet-name>

<url-pattern>/updateProfile\_controller</url-pattern>

</servlet-mapping>

<servlet-mapping>

<servlet-name>viewProfile</servlet-name>

<url-pattern>/viewProfile</url-pattern>

</servlet-mapping>

<servlet-mapping>

<servlet-name>contact</servlet-name>

<url-pattern>/contact</url-pattern>

</servlet-mapping>

<servlet-mapping>

<servlet-name>changePassword</servlet-name>

<url-pattern>/changePassword</url-pattern> </servlet-mapping>

<servlet-mapping>

<servlet-name>checkOut</servlet-name>

<url-pattern>/checkOut</url-pattern>

</servlet-mapping>

<servlet-mapping>

<servlet-name>addFAQ\_controller</servlet-name>

<url-pattern>/addFAQ\_controller</url-pattern>

</servlet-mapping>

<session-config>

<session-timeout>

30

</session-timeout>

</session-config>

</web-app>

# INPUT & OUTPUTS

* User Registration
* Input:
  + Name: John Doe o Contact: 1234567890 o Email: johndoe@example.com o Password: password123 o Profile Picture: profile.jpg
* Output:
  + Message: "Registration Successful! Please log in."

* User Login
* Input:
  + Email: johndoe@example.com o Password: password123
* Output:
  + Redirect to: User Dashboard (index.jsp)

* Post Property
* Input:
  + Property Name: Cozy Apartment o Price: 150000 o Property Type: Apartment o Subtype: For Sale o Bedrooms: 2 o Bathrooms: 1 o City: New York o Image: apartment.jpg
* Output:
  + Message: "Property posted successfully!"

* Search Property
* Input:
  + Property Type: Apartment o Min Price: 100000 o Max Price: 200000 o City: New York
* Output:
  + Display: List of properties matching the criteria

* Change Password
* Input:
  + Current Password: password123 o New Password: newpassword456
* Output:
  + Message: "Password changed successfully!"

* Update Profile
* Input:
  + Name: John Doe o Contact: 0987654321 o Email: johndoe@example.com o New Profile Picture: new\_profile.jpg
* Output:
  + Message: "Profile updated successfully!"

* Admin Login
* Input:
  + Username: admin o Password: adminpassword
* Output:
  + Redirect to: Admin Dashboard (admin/index.jsp)

* Add FAQ
* Input:
  + FAQ Title: "How to reset password?"
  + FAQ Solution: "Click on 'Forgot Password' on the login page."
* Output:
  + Message: "FAQ added successfully!"

* Contact Us Form
* Input:
  + Name: Jane Smith o Contact: 9876543210 o Email: janesmith@example.com o Intention: Inquiry about properties
  + Comment: "I would like to know more about available properties."
* Output:
  + Message: "Thank you for contacting us! We will get back to you soon."

* Logout
* Input: o Click on Logout button
* Output:

o Redirect to: Home Page (index.jsp) with message "You have been logged out."

# CONCLUSION

The Online Real Estate Management System successfully bridges the gap between property seekers and providers by offering an intuitive and efficient platform. It eliminates traditional challenges like lack of transparency and slow processes by digitizing transactions. The application’s secure and scalable architecture ensures reliability for users. With features like property search, user authentication, and admin management, the system has potential for widespread adoption in the real estate industry.

# FUTURESCOPE

* Integrate a payment gateway for online transactions.
* Develop a mobile application to enhance accessibility.
* Incorporate real-time chat functionality between buyers and sellers.
* Use AI algorithms for property recommendation based on user preferences.
* Add geo-location services to map properties on a virtual interface.
* Enhance security with multi-factor authentication.
* Enable property comparison for users to analyze multiple listings.
* Introduce analytics dashboards for administrators to monitor trends.

# REFERENCES

]Khairunnisa K., Ayob J., Mohd. Helmy A. Wahab, M. Erdi Ayob, M. Izwan Ayob, M. Afif Ayob

**“**TheApplicationofWirelessFoodOrderingSystem,”MASAUMJournalofComputing,Volume1Issue2,Septem ber

2009,pp178-183

[2]CaptainPad retrieved information from [http://www.captainpad.com/about-captainpad-pda.html o](http://www.captainpad.com/about-captainpad-pda.html)n 10September 2012.

1. J.Mustafa,R.Kothari,R.Naik,andA.Slatewala,”Touch&DineAMulti-TouchableRestaurantSystem,”in

UACEEInternationalJournalofComputerScienceanditsApplications-Volume1:Issue1[ISSN2250-3750].

1. Multi-Touch information retrieved from [http://www.scribd.com/doc/28414813/Multi-Touch](http://www.scribd.com/doc/28414813/Multi-Touch-)Technologies on10 September2012.
2. Android Wi-Fi Diagram Fig.[1] retrieved

from[http://www.innovantesindia.com/wordpress/2011/04/01/ wifi/on1](http://www.innovantesindia.com/wordpress/2011/04/01/wifi/on)0

September2012.

**10.GITHUB LINK’S:**

[**https://github.com/navyasri9052/Web-Technologies-Project.git**](https://github.com/navyasri9052/Web-Technologies-Project.git)