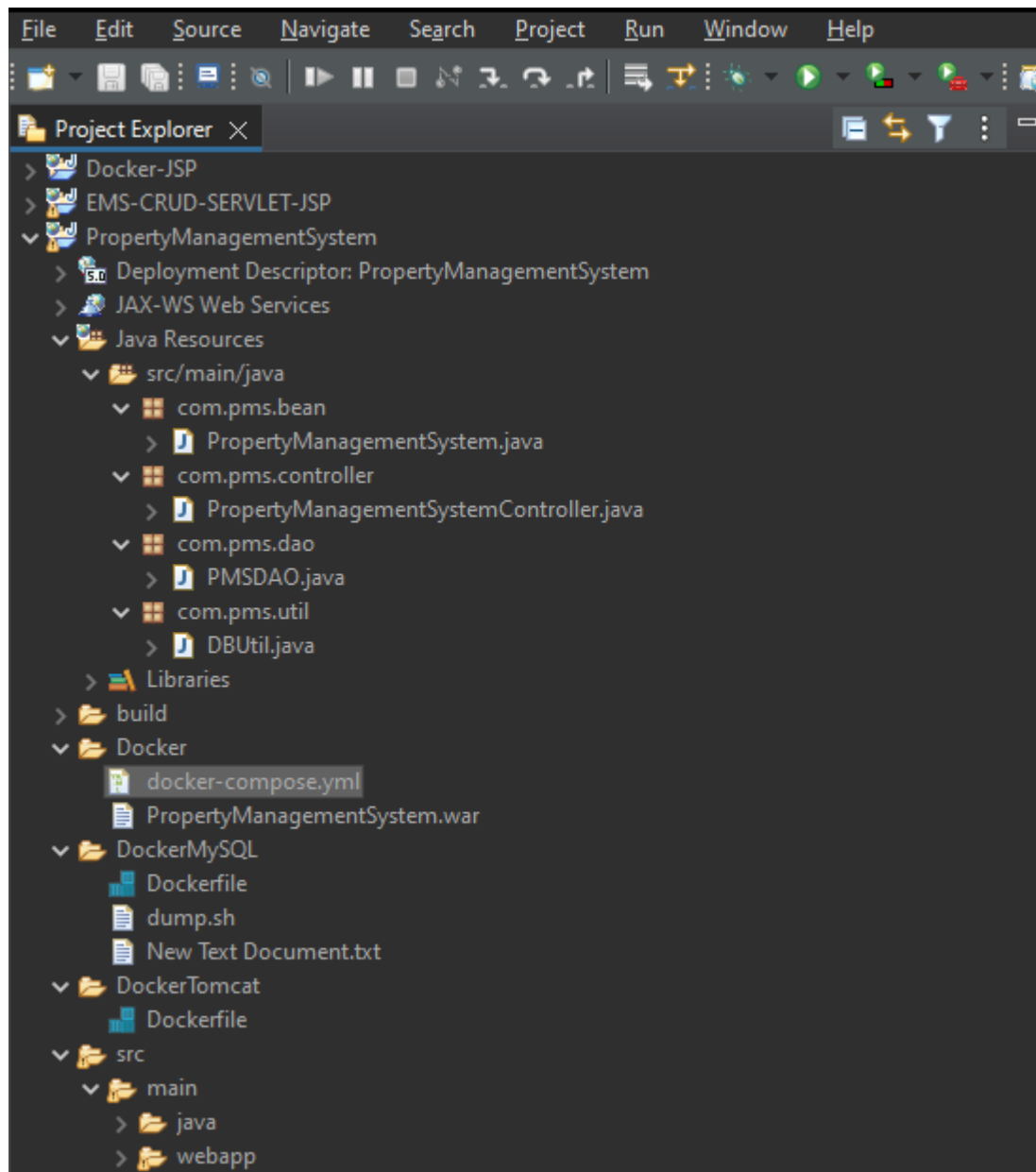# Balasubramanyam Babu –12117

Applications :

Servlet:

Com.pms.bean

```java
package com.pms.bean;

public class PropertyManagementSystem {
private int id;
private String name;
private int ownedBuy;
public PropertyManagementSystem() {
 super();
}
public PropertyManagementSystem(int id, String name, int ownedBuy) {
super();
this.id = id;
this.name = name;
this.ownedBuy = ownedBuy;
}
public int getId() {
return id;
}
public void setId(int id) {
this.id = id;
}
public String getName() {
return name;
}
public void setName(String name) {
this.name = name;
}
public int getOwnedBuy() {
return ownedBuy;
}
public void setOwnedBuy(int ownedBuy) {
this.ownedBuy = ownedBuy;
}
}
```

Com.pms.controller

```java
package com.pms.controller;

import jakarta.servlet.ServletException;

import jakarta.servlet.http.HttpServlet;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletResponse;
import java.io.IOException;
import java.util.List;

import com.pms.bean.PropertyManagementSystem;
import com.pms.dao.PMSDAO;


public class PropertyManagementSystemController extends HttpServlet {
private static final long serialVersionUID = 1L;

private static PMSDAO dao = new PMSDAO();
protected void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {

int n=0;
String action = request.getParameter("button");

if(action.equals("Insert")) {
if(request.getParameter("Id")=="" || request.getParameter("Name")=="" ||
request.getParameter("OwnedBuy")=="" ) {
response.sendRedirect("Empty.jsp?action=Insert");

}
else {
 PropertyManagementSystem pms = new
PropertyManagementSystem(Integer.parseInt(request.getParameter("Id")),
request.getParameter("Name"), Integer.parseInt(request.getParameter("OwnedBuy")));
n = dao.insertPropertyManagementSystem(pms);
if(n==1) {
response.sendRedirect("Success.jsp?action=Insert");

}else {
response.sendRedirect("Failure.jsp?action=Insert");
}
}
}

else if(action.equals("Delete")) {
```

```java
if(request.getParameter("Id")=="") {
response.sendRedirect("Empty.jsp?action=Delete");
}else {
int id = Integer.parseInt(request.getParameter("Id"));
n = dao.deletePropertyManagementSystem(id);
if(n==1) {
response.sendRedirect("Success.jsp?action=Delete");
}else {
response.sendRedirect("Failure.jsp?action=Delete");
}
}
}

else if(action.equals("Update")) {
if(request.getParameter("Id")=="" || request.getParameter("Name")=="" ||
request.getParameter("OwnedBuy")=="" ) {
response.sendRedirect("Empty.jsp?action=Update");

}
else {
PropertyManagementSystem pms = new
PropertyManagementSystem(Integer.parseInt(request.getParameter("Id")),
request.getParameter("Name"), Integer.parseInt(request.getParameter("OwnedBuy")));
n = dao.updatePropertyManagementSystem(pms);
if(n==1) {
response.sendRedirect("Success.jsp?action=Update");

}else {
response.sendRedirect("Failure.jsp?action=Update");
}
}
}

else if(action.equals("Search")) {
if(request.getParameter("Id")=="") {
response.sendRedirect("Empty.jsp?action=Search");
}else {
int id = Integer.parseInt(request.getParameter("Id"));
PropertyManagementSystem pms = dao.searchPropertyManagementSystem(id);
if(pms==null) {
response.sendRedirect("Failure.jsp?action=Search");
}else {
request.getSession().setAttribute("bean", pms);
response.sendRedirect("Success.jsp?action=Search");
}
}
}

else if(action.equals("View All")) {
List<PropertyManagementSystem> list = dao.viewAll();
```

```
if(list.isEmpty()) {
response.sendRedirect("Failure.jsp?action=View");
}else {
request.getSession().setAttribute("list", list);
response.sendRedirect("Success.jsp?action=View");
}
}
}


}
```

Com.pms.dao:

```java
package com.pms.dao;

import java.sql.*;
import java.util.ArrayList;
import java.util.List;

import com.pms.bean.PropertyManagementSystem;
import com.pms.util.DBUtil;
public class PMSDAO {
int n=0;
private List<PropertyManagementSystem> list ;
private Connection con = DBUtil.getDBConnection();

public int insertPropertyManagementSystem(PropertyManagementSystem pms) {

try {
String q = "insert into PropertyManagementSystem value(?,?,?)";
PreparedStatement ps = con.prepareStatement(q);
ps.setInt(1, pms.getId());
ps.setString(2, pms.getName());
ps.setInt(3, pms.getOwnedBuy());
n=ps.executeUpdate();
} catch (SQLException e) {
e.printStackTrace();
}
return n;
}
public int deletePropertyManagementSystem(int id) {

try {
String q = "delete from PropertyManagementSystem where id = ?";
PreparedStatement ps = con.prepareStatement(q);
ps.setInt(1, id);
n=ps.executeUpdate();
} catch (SQLException e) {
e.printStackTrace();
}

return n;
}

public int updatePropertyManagementSystem(PropertyManagementSystem pms) {

try {
String q = "update PropertyManagementSystem set name = ?, ownedBuy = ? where id =?";
PreparedStatement ps = con.prepareStatement(q);
ps.setString(1,pms.getName());
ps.setInt(2, pms.getOwnedBuy());
ps.setInt(3, pms.getId());
n=ps.executeUpdate();
```

```java
		} catch (SQLException e) {

			e.printStackTrace();
		}
		return n;
	}

	public PropertyManagementSystem searchPropertyManagementSystem(int id) {
		ResultSet rs;

		try {
			String q = "select * from PropertyManagementSystem where id = ?";
			PreparedStatement ps = con.prepareStatement(q);
			ps.setInt(1, id);
			rs = ps.executeQuery();
			if(rs.next())
				return new PropertyManagementSystem(rs.getInt(1),rs.getString(2),rs.getInt(3));
		} catch (SQLException e) {
			e.printStackTrace();
		}
		return null;
	}

	public List<PropertyManagementSystem> viewAll(){
		ResultSet rs;

		try {
			list = new ArrayList<PropertyManagementSystem>();
			String q = "select * from PropertyManagementSystem";
			PreparedStatement ps = con.prepareStatement(q);
			rs=ps.executeQuery();
			while(rs.next())
				list.add(new PropertyManagementSystem(rs.getInt(1), rs.getString(2), rs.getInt(3)));
		} catch (SQLException e) {
			e.printStackTrace();
		}
		return list;
	}
}
```

Com.pms.util

```java
package com.pms.util;

import java.sql.Connection;
import java.sql.DriverManager;

public class DBUtil {
```

```java
private static final String url = "jdbc:mysql://localhost:3306/pms";
private static final String user = "root";
private static final String password = "root";

public static Connection getDBConnection() {
Connection con = null;

try {
Class.forName("com.mysql.cj.jdbc.Driver");
con = DriverManager.getConnection(url,user,password);
} catch (Exception e) {
e.printStackTrace();
}

return con;
}
}
```

JSP:

Index.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Index page</title>
</head>
<body>
<iframe src="Banner.jsp" width="100%" height="70px" ></iframe>
<iframe src="Link.jsp" width="16%" height="547px" ></iframe>
<iframe src="Insert.jsp" width="83.1%" height="547px" name="operation" ></iframe>
</body>
```

```
</html>
```

Link.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Link Page</title>
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
T3c6CoIi6uLrA9TneNEoa7RxnatzjcDSCmG1MXxSR1GAsXEV/Dwwykc2MPK8M2HN"
crossorigin="anonymous">
<style>
body{
background-color: orange;
display: grid;
row-gap: 60px;
margin-top: 50px;
margin-left: 10px;
}

</style>
</head>
<body>
<div class="card card-body text-center " style="width:90%;" ><a href="Insert.jsp"
class="btn btn-success " name="button" target="operation">Insert</a></div>
<div class="card card-body text-center " style="width:90%;" ><a href="Delete.jsp"
class="btn btn-danger" name="button" target="operation">Delete</a></div>
<div class="card card-body text-center " style="width:90%;"><a href="Update.jsp"
class="btn btn-info " name="button" target="operation">Update</a></div>
<div class="card card-body text-center " style="width:90%;"><a href="Search.jsp"
class="btn btn-secondary" name="button" target="operation">Search</a></div>
</body>
</html>
```

Banner.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Banner page</title>
```

```html
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
T3c6CoIi6uLrA9TneNEoa7RxnatzjcDSCmG1MXxSR1GAsXEV/Dwwykc2MPK8M2HN"
crossorigin="anonymous">
<style>

#title{
margin-top:10px;
margin-left: 400px;
}
</style>
</head>
<body class="bg-secondary">
<div style="width: 50%" id="title"><h1>Property Management System</h1></div>
</body>
</html>
```

Insert.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert Page</title>
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
T3c6CoIi6uLrA9TneNEoa7RxnatzjcDSCmG1MXxSR1GAsXEV/Dwwykc2MPK8M2HN"
crossorigin="anonymous">
<style type="text/css">
body{

background-color: green;
font-size: 16px;
margin-left: 30%;
margin-top: 110px;
font-weight: bold;
}
td{
padding: 10px 14px;
}

</style>
</head>
<body>
<div class="card w-50 bg-danger ">
<div class="card-header text-center"><h5>Enter the Property Details to Insert :
</h5></div>
```

```html
<div class="card-body ">
<form action="PropertyManagementSystemController" method="post">
<table style="border:none;">
<tr><td>Enter Property Id </td><td>: <input type="text" name="Id" autocomplete="off"
placeholder="Enter id"/> </td></tr>
<tr><td>Enter Property Name </td><td>: <input type="text" name="Name"
autocomplete="off" placeholder="Enter name"/> </td></tr>
<tr><td>Enter Property OwnedBuy </td><td>: <input type="text" name="OwnedBuy"
autocomplete="off" placeholder="Enter Property Owned Buy"/></td></tr>
<tr><td colspan="2" style="text-align: right;"><input type="submit" class="btn btn-
success btn-md" name="button" value="Insert"/> </td></tr>
</table>
</form>
</div>
</div>
</body>
</html>
```

Delete.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Delete Page</title>
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
T3c6CoIi6uLrA9TneNEoa7RxnatzjcDSCmG1MXxSR1GAsXEV/Dwwykc2MPK8M2HN"
crossorigin="anonymous">
<style type="text/css">
body{

background-color: green;
font-size: 16px;
margin-left: 30%;
margin-top: 110px;
font-weight: bold;
}
td{
padding: 10px 14px;
}

</style>
</head>
<body>
<div class="card w-50 bg-danger">
```

```html
<div class="card-header text-center"><h5>Enter the Property Id to Delete :
</h5></div>
<div class="card-body ">
<form action="PropertyManagementSystemController" method="post">
<table style="border:none;">
<tr><td>Enter Property Id </td><td>: <input type="text" name="Id" autocomplete="off"
placeholder="Enter property id"/> </td></tr>
<tr><td colspan="2" style="text-align: right;"><input type="submit" class="btn btn-
warning btn-md" name="button" value="Delete"/> </td></tr>
</table>
</form>
</div>
</div>
</body>
</html>
```

Update.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Update Page</title>
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
T3c6CoIi6uLrA9TneNEoa7RxnatzjcDSCmG1MXxSR1GAsXEV/Dwwykc2MPK8M2HN"
crossorigin="anonymous">
<style type="text/css">
body{

background-color: green;
font-size: 16px;
margin-left: 30%;
margin-top: 110px;
font-weight: bold;
}
td{
padding: 10px 14px;
}

</style>
</head>
<body>
<div class="card w-50 bg-danger ">
<div class="card-header text-center"><h5>Enter the Property Details to Update :
</h5></div>
```

```
<div class="card-body ">
<form action="PropertyManagementSystemController" method="post">
<table style="border:none;">
<tr><td>Enter Property Id </td><td>: <input type="text" name="Id" autocomplete="off"
placeholder="Enter id"/> </td></tr>
<tr><td>Enter Property Name </td><td>: <input type="text" name="Name"
autocomplete="off" placeholder="Enter name"/> </td></tr>
<tr><td>Enter Property OwnedBuy </td><td>: <input type="text" name="OwnedBuy"
autocomplete="off" placeholder="Enter Property Owned Buy"/></td></tr>
<tr><td colspan="2" style="text-align: right;"><input type="submit" class="btn btn-
info btn-md" name="button" value="Update"/> </td></tr>
</table>
</form>
</div>
</div>
</body>
</html>
```

Search.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Search Page</title>
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
T3c6CoIi6uLrA9TneNEoa7RxnatzjcDSCmG1MXxSR1GAsXEV/Dwwykc2MPK8M2HN"
crossorigin="anonymous">
<style type="text/css">
body{

background-color:green;
font-size: 16px;
margin-left: 30%;
margin-top: 110px;
font-weight: bold;
}
td{
padding: 10px 14px;
}

</style>
</head>
<body>
<div class="card w-50 bg-danger ">
```

```html
<div class="card-header text-center"><h5>Enter the property Id to Search :
</h5></div>
<div class="card-body ">
<form action="PropertyManagementSystemController" method="post">
<table style="border:none;">
<tr><td>Enter Property Id </td><td>: <input type="text" name="Id" autocomplete="off"
placeholder="Enter property id"/> </td></tr>
<tr><td style="text-align: left;"><input type="submit" class="btn btn-primary btn-md"
name="button" value="View All"/> </td>
<td style="text-align: right;"><input type="submit" class="btn btn-secondary btn-md"
name="button" value="Search"/> </td>
</tr>
</table>
</form>
</div>
</div>
</body>
</html>
```

Success.jsp

```jsp
<%@page import="java.util.ArrayList"%>
<%@page import="java.util.List"%>
<%@page import="com.pms.bean.PropertyManagementSystem"%>
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html;charset=UTF-8">
<title>Success page</title>
</head>
<body>
<%
String action = request.getParameter("action");
if(action.equals("Insert")){
%>
<%@include file="Insert.jsp" %>
<%="<br><div class=\"card card-body w-50\"><h4>Record Inserted
Successfully</h4></div>"%>
<%
}else if(action.equals("Delete")){
%>
<%@include file="Delete.jsp" %>
<%="<br><div class=\"card card-body w-50\"><h4>Record Deleted
Successfully</h4></div>"%>
<%
}else if(action.equals("Update")){
%>
```

```jsp
<%@include file="Update.jsp" %>
<%="<br><div class=\"card card-body w-50\"><h4>Record Updated
Successfully</h4></div>"%>
<%
}else if(action.equals("Search")){
%>
<%@include file="Search.jsp" %>
<%
PropertyManagementSystem pms =
(PropertyManagementSystem)request.getSession().getAttribute("bean");
%>
<%="<br><div class=\"card card-body w-50\"><table><tr style=\"font-
weight:bold\"><td>Employee ID</td><td>Employee Name</td><td>Employee Age</td><tr>" %>
<%="<tr><td>"+pms.getId()+"</td><td>"+pms.getName()+"</td><td>"+pms.getOwnedBuy()+"</
td></tr></table></div>" %>
<%
}else if(action.equals("View")){
%>
<%@include file="Search.jsp" %>
<%
ArrayList<PropertyManagementSystem> list =
(ArrayList<PropertyManagementSystem>)request.getSession().getAttribute("list");
%>
<%="<br><div class=\"card card-body w-50\"><h4><center>No Of Record :
"+list.size()+"</center></h4>" %>
<%="<br><table><tr style=\"font-weight:bold\"><td>Employee ID</td><td>Employee
Name</td><td>Employee Age</td><tr>" %>
<%
for(PropertyManagementSystem pms : list){
%>
<%="<tr><td>"+pms.getId()+"</td><td>"+pms.getName()+"</td><td>"+pms.getOwnedBuy()+"</
td></tr>" %>
<%} %>
<%="</table></div>" %>
<%
}

%>

</body>
</html>
```

Failure.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
```

```jsp
<meta charset="ISO-8859-1">
<title>Failure Page</title>
</head>
<body>
<%
String action = request.getParameter("action");
if(action.equals("Insert")){
%>
<%@include file="Insert.jsp" %>
<%="<br><div class=\"card card-body w-50\"><h4>Insertion Failure</h4></div>"%>
<%
}else if(action.equals("Delete")){
%>
<%@include file="Delete.jsp" %>
<%="<br><div class=\"card card-body w-50\"><h4>Deletion Failure</h4></div>"%>
<%
}else if(action.equals("Update")){
%>
<%@include file="Update.jsp" %>
<%="<br><div class=\"card card-body w-50\"><h4>Updation Failure</h4></div>"%>
<%
}else if(action.equals("Search")){
%>
<%@include file="Search.jsp" %>
<%="<br><div class=\"card card-body w-50\"><h4>No Record Found</h4></div>" %>
<%
}else if(action.equals("Veiw ALL")){
%>
<%@include file="Search.jsp" %>
<%="<br><div class=\"card card-body w-50\"><h4>No Record Found</h4></div>" %>
<%
}

%>


</body>
</html>
```

Empty.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Empty Fields</title>
</head>
<body>
```

```jsp
<%
String action = request.getParameter("action");
if(action.equals("Insert")){
%>
<%@include file="Insert.jsp" %>
<%="<br><div class=\"card card-body w-50\"><h4>No Field Should be Empty</h4></div>"%>
<%
}else if(action.equals("Delete")){
%>
<%@include file="Delete.jsp" %>
<%="<br><div class=\"card card-body w-50\"><h4>No Field Should be Empty</h4></div>"%>
<%
}else if(action.equals("Update")){
%>
<%@include file="Update.jsp" %>
<%="<br><div class=\"card card-body w-50\"><h4>No Field Should be Empty</h4></div>"%>
<%
}else if(action.equals("Search")){
%>
<%@include file="Search.jsp" %>
<%="<br><div class=\"card card-body w-50\"><h4>No Field Should be Empty</h4></div>"%>
<%
}
%>
</body>
</html>
```

Database:

Docker:

Compose:

```
D:\MyJavaWorks\PropertyManagementSystem\Docker>docker compose up
[+] Running 1/1
 ✓ Container mywebapp  Recreated                                                    0.2s
Attaching to fbd5aec5d4db_jspmysql, mywebapp
fbd5aec5d4db_jspmysql  | 2024-02-21 11:31:04+00:00 [Note] [Entrypoint]: Entrypoint script for MySQL Server 8.3.0-1.el8 started.
fbd5aec5d4db_jspmysql  | 2024-02-21 11:31:04+00:00 [Note] [Entrypoint]: Switching to dedicated user 'mysql'
fbd5aec5d4db_jspmysql  | 2024-02-21 11:31:04+00:00 [Note] [Entrypoint]: Entrypoint script for MySQL Server 8.3.0-1.el8 started.
fbd5aec5d4db_jspmysql  | 2024-02-21 11:31:04+00:00 [Note] [Entrypoint]: Initializing database files
fbd5aec5d4db_jspmysql  | 2024-02-21T11:31:04.872169Z 0 [System] [MY-015017] [Server] MySQL Server Initialization - start.
fbd5aec5d4db_jspmysql  | 2024-02-21T11:31:04.875123Z 0 [System] [MY-013169] [Server] /usr/sbin/mysqld (mysqld 8.3.0) initializing of server in progress as process 80
fbd5aec5d4db_jspmysql  | 2024-02-21T11:31:04.885146Z 1 [System] [MY-013576] [InnoDB] InnoDB initialization has started.
mywebapp               | 21-Feb-2024 11:31:05.638 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Server version:        Apache Tomcat/8.0.53
mywebapp               | 21-Feb-2024 11:31:05.643 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Server built:          Jun 29 2018 14:42:45 UTC
mywebapp               | 21-Feb-2024 11:31:05.644 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Server number:         8.0.53.0
mywebapp               | 21-Feb-2024 11:31:05.644 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log OS Name:               Linux
mywebapp               | 21-Feb-2024 11:31:05.645 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log OS Version:            5.15.133.1-microsoft-standard
-WSL2
mywebapp               | 21-Feb-2024 11:31:05.645 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Architecture:          amd64
mywebapp               | 21-Feb-2024 11:31:05.645 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Java Home:             /usr/lib/jvm/java-1.7-openjdk
/jre
mywebapp               | 21-Feb-2024 11:31:05.645 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log JVM Version:           1.7.0_181-b01
mywebapp               | 21-Feb-2024 11:31:05.645 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log JVM Vendor:            Oracle Corporation
mywebapp               | 21-Feb-2024 11:31:05.646 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log CATALINA_BASE:         /usr/local/tomcat
mywebapp               | 21-Feb-2024 11:31:05.646 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log CATALINA_HOME:         /usr/local/tomcat
mywebapp               | 21-Feb-2024 11:31:05.647 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Command line argument: -Djava.util.logging.config.fi
le=/usr/local/tomcat/conf/logging.properties
mywebapp               | 21-Feb-2024 11:31:05.647 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Command line argument: -Djava.util.logging.manager=o
rg.apache.juli.ClassLoaderLogManager
mywebapp               | 21-Feb-2024 11:31:05.647 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Command line argument: -Djdk.tls.ephemeralDHKeySize=
2048
mywebapp               | 21-Feb-2024 11:31:05.647 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Command line argument: -Djava.protocol.handler.pkgs=
org.apache.catalina.webresources
mywebapp               | 21-Feb-2024 11:31:05.648 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Command line argument: -Dignore.endorsed.dirs=
mywebapp               | 21-Feb-2024 11:31:05.648 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Command line argument: -Dcatalina.base=/usr/local/to
mcat
mywebapp               | 21-Feb-2024 11:31:05.648 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Command line argument: -Dcatalina.home=/usr/local/to
mcat
mywebapp               | 21-Feb-2024 11:31:05.648 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Command line argument: -Djava.io.tmpdir=/usr/local/t
omcat/temp
mywebapp               | 21-Feb-2024 11:31:05.648 INFO [main] org.apache.catalina.core.AprLifecycleListener.lifecycleEvent Loaded APR based Apache Tomcat Native library
 1.2.17 using APR version 1.6.3.
```

Docker:

Docker Container:

Docker Images:

CRUD OPERATIONS

INSERT:

Delete

Update

Property Management System

Insert

Delete

Update

Search

Enter the Property Details to Update :

Enter Property Id : [Enter id]

Enter Property Name : [Enter name]

Enter Property OwnedBuy : [Enter Property Owned Buy]

[Update]

Record Updated Successfully

Show

Property Management System

Insert

Delete

Update

Search

Enter the property Id to Search :

Enter Property Id : [Enter property id]

[View All]   [Search]

Employee ID	Employee Name	Employee Age
1	Balu Land	456789

Show All

Property Management System

Insert

Delete

Update

Search

Enter the property Id to Search :

Enter Property Id   :   [Enter property id]

[View All]   [Search]

No Of Record : 3

Employee ID	Employee Name	Employee Age
1	Balu Land	456789
2	Lokesh Land	456789
3	Ganesh Land	11234567