Name: Antra koul

Seat no: 50002

Class : MCA-5

Set: 5

Subject: Web Technology

“index.html”

<html>

<head>

<title>

Vehicle Registration Form

</title>

</head>

<body>

<center><h2><u>Vehicle Registration form</u><h3>

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

<table height="30%" width="30%">

<tr>

<td><label>Enter registration number:</label></td>

<td><input type="text" name="registrationid"></td>

<tr>

<tr>

<td><label>Enter vehicle type:</label></td>

<td><input type="text" name="type"></td>

<tr>

<tr>

<td><label>Enter owner name:</label></td>

<td><input type="text" name="ownername"></td>

<tr>

<tr>

<td><input type="submit" value="Register vehicle"></td>

<td><input type="reset" value="reset"></td>

<tr>

</table>

</form>

</center>

</body>

</html>

“VehicleDetail.java”

package vehicle;

public class VehicleDetail{

int registrationid;

String type,ownername;

public void setRegistrationid(int registrationid){

this.registrationid=registrationid;

}

public void setType(String type){

this.type=type;

}

public void setOwnername(String ownername){

this.ownername=ownername;

}

public int getRegistrationid(){

return this.registrationid;

}

public String getType(){

return this.type;

}

public String getOwnername(){

return this.ownername;

}

}

“VehicleServlet.java”

package vehicle;

import java.io.\*;

import java.sql.\*;

import javax.servlet.ServletException;

import javax.servlet.RequestDispatcher;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

public class VehicleServlet extends HttpServlet{

protected void doPost(HttpServletRequest request,HttpServletResponse response)throws ServletException,IOException{

response.setContentType("text/html");

PrintWriter out = response.getWriter();

VehicleDetail v1 = new VehicleDetail();

try{

Class.forName("com.mysql.jdbc.Driver");

Connection connection = DriverManager.getConnection("jdbc:mysql://localhost/test","root","");

PreparedStatement statement = connection.prepareStatement("Insert into VehicleRecords values(?,?,?)");

v1.setRegistrationid(Integer.parseInt(request.getParameter("registrationid")));

v1.setType(request.getParameter("type"));

v1.setOwnername(request.getParameter("ownername"));

application.setAttribute("vehicle",v1);

statement.setInt(1,Integer.parseInt(request.getParameter("registrationid")));

statement.setString(2,request.getParameter("type"));

statement.setString(3,request.getParameter("ownername"));

int i = statement.executeUpdate();

RequestDispatcher rd = request.getRequestDispatcher("RegistrationSuccess.jsp");

rd.forward(request,response);

}

catch(Exception e){

System.out.print("Exception occured!");

}

}

protected void doGet(HttpServletRequest request,HttpServletResponse response)throws ServletException,IOException{

doPost(request,response);

}

}

“RegistrationSuccess.jsp”

e<h2>Vehicle registered successfully !</h2>

<center><h2><u>Vehicle search form</u><h3>

<form method="post" action="Search.jsp">

<table height="30%" width="30%">

<tr>

<td><label>Enter registration number to search:</label></td>

<td><input type="text" name="registrationid"></td>

<tr>

<td><input type="submit" value="Search vehicle"></td>

<td><input type="reset" value="reset"></td>

<tr>

</table>

</form>

</center>

“Search.jsp”

<%@ page import="java.util.\*,java.io.\*,java.dql.\*" %>

<%@ page import="javax.servlet.\*,javax.servlet.http.\*" %>

<%@ taglib uri="http://java.sun.com/jsp/jstl/sql" prefix="sql"%>

<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c"%>

<html>

<head>

<title>

Vehicle Registration Form

</title>

</head>

<body>

<center><h2><u>Vehicle Detail</u><h3>

<%

int id= Integer.parseInt(request.getParameter("registrationid"));

%>

<c:set var="id" value="<%= id %>" />

<sql:setDataSource var="db" driver="com.mysql.jdbc.Driver" url="jdbc:mysql://localhost/test" user="root" password="" />

<sql:query var="rs" dataSource="${db}">

Select \* from VehicleRecords

</sql:query>

<table>

<tr>

<th>Registration Id</th>

<th>Vehicle Type</th>

<th>Owner Name</th>

</tr>

<c:forEach var="table" items="${rs.rows}">

<c:set var="v" value="${table.Registrationid}" />

<c:if test ="${v==id}">

<tr>

<td><c:out value="${table.Registrationid}" /></td>

<td><c:out value="${table.Type}" /></td>

<td><c:out value="${table.Ownerrname}" /></td>

</tr>

</c:if>

</c:forEach>

<table>

</center>

</body>

</html>

“web.xml”

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

<!--

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-->

<web-app xmlns="http://java.sun.com/xml/ns/javaee"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:schemaLocation="http://java.sun.com/xml/ns/javaee

http://java.sun.com/xml/ns/javaee/web-app\_3\_0.xsd"

version="3.0"

metadata-complete="true">

<display-name>Welcome to Tomcat</display-name>

<description>

Welcome to Tomcat

</description>

<servlet>

<servlet-name>VehicleServlet</servlet-name>

<servlet-class>vehicle.VehicleServlet</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>VehicleServlet</servlet-name>

<url-pattern>/VehicleServlet</url-pattern>

</servlet-mapping>

</web-app>