

```
1
2
3 import java.io.IOException;
4
5 import javax.servlet.ServletException;
6 import javax.servlet.annotation.WebServlet;
7 import javax.servlet.http.HttpServlet;
8 import javax.servlet.http.HttpServletRequest;
9 import javax.servlet.http.HttpServletResponse;
10
11 import org.hibernate.Session;
12 import org.hibernate.SessionFactory;
13
14 @WebServlet("/AddToFavController")
15 public class AddToFavController extends HttpServlet {
16     private static final long serialVersionUID = 1L;
17
18
19     protected void doGet(HttpServletRequest request, HttpServletResponse response)
20     throws ServletException, IOException {
21
22         String crossingName = request.getParameter("crossingName");
23         String crossingStatus = request.getParameter("crossingStatus");
24         String personInCharge = request.getParameter("personInCharge");
25         String trainSchedule = request.getParameter("trainSchedule");
26         String landmark = request.getParameter("landmark");
27         String address = request.getParameter("address");
28
29         AddFavCrossing afc = new AddFavCrossing();
30         afc.setName(crossingName);
31         afc.setStatus(crossingStatus);
32         afc.setName(personInCharge);
33         afc.setTrainSchedule(trainSchedule);
34         afc.setLandmark(landmark);
35         afc.setAddress(address);
36
37
38         SessionFactory sf = HibDbCon.getSessionFactory();
39         Session session = sf.openSession();
40
41         session.beginTransaction();
42         session.save(afc);
43         session.getTransaction().commit();
44         session.close();
45
46         response.sendRedirect("Home.jsp");
47
48     }
49     protected void doPost(HttpServletRequest request, HttpServletResponse response)
50     throws ServletException, IOException {
51
52         doGet(request, response);
53     }
54
55 }
```

```
1
2
3 import java.io.IOException;
4 import javax.servlet.ServletException;
5 import javax.servlet.annotation.WebServlet;
6 import javax.servlet.http.HttpServlet;
7 import javax.servlet.http.HttpServletRequest;
8 import javax.servlet.http.HttpServletResponse;
9
10
11 import org.hibernate.Session;
12 import org.hibernate.SessionFactory;
13 import org.hibernate.query.Query;
14
15 @WebServlet("/deleteCrossing")
16 public class DeleteCrossing extends HttpServlet {
17
18
19     protected void doGet(HttpServletRequest request, HttpServletResponse response)
20     throws ServletException, IOException {
21
22         String cName = request.getParameter("crossingName");
23
24         SessionFactory sf = HibDbCon.getSessionFactory();
25         Session session = sf.openSession();
26         session.beginTransaction();
27         Query q = session.createQuery("delete from CrossingDetails where cName =:name");
28         q.setParameter("name", cName);
29         q.executeUpdate();
30         session.getTransaction().commit();
31         response.sendRedirect("AdminHomePage.jsp");
32
33     }
34     protected void doPost(HttpServletRequest request, HttpServletResponse response)
35     throws ServletException, IOException {
36
37         doGet(request, response);
38     }
39
40 }
```

```
1 import org.hibernate.SessionFactory;
2 import org.hibernate.boot.Metadata;
3 import org.hibernate.boot.MetadataSources;
4 import org.hibernate.boot.registry.StandardServiceRegistry;
5 import org.hibernate.boot.registry.StandardServiceRegistryBuilder;
6
7 public class HibDbCon {
8
9     private static SessionFactory sessionFactory;
10
11     static{
12
13         StandardServiceRegistry sr = new StandardServiceRegistryBuilder().configure
14         ("hibernate.cfg.xml").build();
15
16         Metadata mt = new MetadataSources(sr).getMetadataBuilder().build();
17
18         sessionFactory = mt.getSessionFactoryBuilder().build();
19
20     }
21
22     public static SessionFactory getSessionFactory() {
23         return sessionFactory;
24     }
25
26 }
27
28
```

```
1
2 import java.io.IOException;
3 import java.io.PrintWriter;
4
5 import javax.servlet.ServletException;
6 import javax.servlet.annotation.WebServlet;
7 import javax.servlet.http.HttpServlet;
8 import javax.servlet.http.HttpServletRequest;
9 import javax.servlet.http.HttpServletResponse;
10
11 @WebServlet("/HomePage")
12 public class HomePage extends HttpServlet {
13
14
15     protected void doGet(HttpServletRequest request, HttpServletResponse response)
16     throws ServletException, IOException {
17
18         PrintWriter out = response.getWriter();
19
20         out.println("Welcome to home page");
21         response.sendRedirect("Home.jsp");
22     }
23     protected void doPost(HttpServletRequest request, HttpServletResponse response)
24     throws ServletException, IOException {
25
26         doGet(request, response);
27     }
28
29 }
30
```

```
1
2
3 import java.io.IOException;
4 import java.util.List;
5
6 import javax.servlet.Filter;
7 import javax.servlet.FilterChain;
8 import javax.servlet.FilterConfig;
9 import javax.servlet.ServletException;
10 import javax.servlet.ServletRequest;
11 import javax.servlet.ServletResponse;
12 import javax.servlet.annotation.WebFilter;
13 import javax.servlet.annotation.WebServlet;
14 import javax.servlet.http.HttpFilter;
15 import javax.servlet.http.HttpServlet;
16 import javax.servlet.http.HttpServletRequest;
17 import javax.servlet.http.HttpServletResponse;
18
19 import org.hibernate.Query;
20 import org.hibernate.Session;
21 import org.hibernate.SessionFactory;
22
23 import java.io.IOException;
24
25 @WebFilter("/HomePage")
26 public class LoginToHomeFilter extends HttpFilter implements Filter {
27
28     public LoginToHomeFilter() {
29         super();
30     }
31 }
32
33
34 public void destroy() {
35 }
36
37 public void doFilter(ServletRequest request, ServletResponse response,
38 FilterChain chain) throws IOException, ServletException {
39
40     HttpServletRequest req = (HttpServletRequest) request;
41     HttpServletResponse res = (HttpServletResponse) response;
42
43     String name = req.getParameter("email");
44     String pwd = req.getParameter("password");
45
46     SessionFactory sf = HibDbCon.getSessionFactory();
47     Session session = sf.openSession();
48
49     Query<Object[]> q = session.createQuery("select email, password from User");
50     List<Object[]> resultList = q.getResultList();
51
52     boolean found = false;
53     for (Object[] userCredentials : resultList) {
54         String email = (String) userCredentials[0];
55         String password = (String) userCredentials[1];
56         if (email.equals(name) && password.equals(pwd)) {
57             found = true;
58             chain.doFilter(request, response);
59             break; // Exit the loop since we found a match
```

```
60 }
61 }
62
63 if (!found) {
64
65
66 if(name.equalsIgnoreCase("admin123@gmail.com") && pwd.contentEquals
67 ("admin123")) {
68 res.sendRedirect("AdminHomePage.jsp");
69 }else {
70 res.sendRedirect("index.jsp");
71 }
72
73 }
74
75 }
76
77 public void init(FilterConfig fConfig) throws ServletException {
78
79 }
80
81 }
```

```
1
2 import java.io.IOException;
3 import java.io.PrintWriter;
4 import javax.servlet.Filter;
5 import javax.servlet.FilterChain;
6 import javax.servlet.FilterConfig;
7 import javax.servlet.ServletException;
8 import javax.servlet.ServletRequest;
9 import javax.servlet.ServletResponse;
10 import javax.servlet.annotation.WebFilter;
11 import javax.servlet.http.HttpServletRequest;
12 import javax.servlet.http.HttpServletResponse;
13
14 @WebFilter("/URegister")
15 public class RegisterNullFilter implements Filter {
16
17     public void destroy() {
18     }
19
20     public void doFilter(ServletRequest request, ServletResponse response,
21 FilterChain chain)
22     throws IOException, ServletException {
23
24         HttpServletRequest Request = (HttpServletRequest) request;
25         HttpServletResponse Response = (HttpServletResponse) response;
26
27         PrintWriter out = Response.getWriter();
28
29         String username = Request.getParameter("username");
30         String password = Request.getParameter("password");
31         String email = Request.getParameter("email");
32
33
34         if (username == null || username.isEmpty() || password == null ||
35 password.isEmpty() || email == null
36 || email.isEmpty()) {
37
38
39             out.println("<html><body>");
40             out.println(username+", "+password+", "+email);
41             out.println("<h4>Fields cannot be empty..</h4>");
42             out.println("<a href='Register.jsp'>Click here to Register</a>");
43             out.println("</body></html>");
44         } else {
45             chain.doFilter(request, response);
46         }
47     }
48
49     public void init(FilterConfig fConfig) throws ServletException {
50     }
51 }
52
```

```
1
2
3 import java.io.IOException;
4 import javax.servlet.ServletException;
5 import javax.servlet.annotation.WebServlet;
6 import javax.servlet.http.HttpServlet;
7 import javax.servlet.http.HttpServletRequest;
8 import javax.servlet.http.HttpServletResponse;
9
10 import org.hibernate.Query;
11 import org.hibernate.Session;
12 import org.hibernate.SessionFactory;
13
14 @WebServlet("/RemoveFromFavController")
15 public class RemoveFromFavController extends HttpServlet {
16     private static final long serialVersionUID = 1L;
17
18
19     protected void doGet(HttpServletRequest request, HttpServletResponse response)
20     throws ServletException, IOException {
21
22         String crossingName = request.getParameter("crossingName");
23
24         SessionFactory sf = HibDbCon.getSessionFactory();
25         Session session = sf.openSession();
26         session.beginTransaction();
27         Query<?> q = session.createQuery("DELETE FROM AddFavCrossing WHERE cName =
28         :crossingName");
29         q.setParameter("crossingName", crossingName);
30         q.executeUpdate();
31         session.getTransaction().commit();
32         session.close();
33         response.sendRedirect("FavCrossings.jsp");
34
35     }
36     protected void doPost(HttpServletRequest request, HttpServletResponse response)
37     throws ServletException, IOException {
38         // TODO Auto-generated method stub
39         doGet(request, response);
40     }
41
42 }
```



```
1
2
3 import java.io.IOException;
4 import java.io.PrintWriter;
5 import java.util.List;
6
7 import javax.servlet.ServletException;
8 import javax.servlet.annotation.WebServlet;
9 import javax.servlet.http.HttpServlet;
10 import javax.servlet.http.HttpServletRequest;
11 import javax.servlet.http.HttpServletResponse;
12 import javax.servlet.http.HttpSession;
13
14 import org.hibernate.Query;
15 import org.hibernate.Session;
16 import org.hibernate.SessionFactory;
17
18 import com.daoClasses.CrossingDetails;
19
20 @WebServlet("/SearchCrossingRetriever")
21 public class SearchCrossingRetriever extends HttpServlet {
22     private static final long serialVersionUID = 1L;
23
24     protected void doGet(HttpServletRequest request, HttpServletResponse response)
25     throws ServletException, IOException {
26         PrintWriter out = response.getWriter();
27         String sName = request.getParameter("searchCrossing");
28
29         SessionFactory sf = HibDbCon.getSessionFactory();
30         Session session = sf.openSession();
31         Query<CrossingDetails> query = session.createQuery("from CrossingDetails where cName
32         like :searchName");
33         query.setParameter("searchName", "%" + sName + "%");
34         List<CrossingDetails> crossings = query.getResultList();
35
36         HttpSession httpsession = request.getSession();
37         httpsession.setAttribute("Crossings", crossings);
38         response.sendRedirect("SearchCrossing.jsp?prop=block");
39
40     }
41     protected void doPost(HttpServletRequest request, HttpServletResponse response)
42     throws ServletException, IOException {
43
44         doGet(request, response);
45     }
46
47 }
48
```

```
1
2 import java.io.IOException;
3 import javax.servlet.ServletException;
4 import javax.servlet.annotation.WebServlet;
5 import javax.servlet.http.HttpServlet;
6 import javax.servlet.http.HttpServletRequest;
7 import javax.servlet.http.HttpServletResponse;
8 import javax.servlet.http.HttpSession;
9
10 import com.daoClasses.User;
11
12 import org.hibernate.Session;
13 import org.hibernate.SessionFactory;
14
15 @WebServlet("/URegister")
16 public class UserRegister extends HttpServlet {
17     private static final long serialVersionUID = 1L;
18
19     protected void doGet(HttpServletRequest request, HttpServletResponse response)
20     throws ServletException, IOException {
21
22         String username = request.getParameter("username");
23         String password = request.getParameter("password");
24         String email = request.getParameter("email");
25
26         User userDetails = new User();
27
28         userDetails.setUname(username);
29         userDetails.setPassword(password);
30         userDetails.setEmail(email);
31         //System.out.println(username+" "+password+": "+email);
32
33         SessionFactory sf = HibDbCon.getSessionFactory();
34         Session session = sf.openSession();
35
36         session.beginTransaction();
37         session.save(userDetails);
38         session.getTransaction().commit();
39         session.close();
40         // HttpSession httpSession = request.getSession();
41         // httpSession.setAttribute("userdetails", userDetails);
42         response.sendRedirect("LoginPage.jsp");
43     }
44
45     protected void doPost(HttpServletRequest request, HttpServletResponse response)
46     throws ServletException, IOException {
47
48         doGet(request, response);
49     }
50
51 }
52
```

```
1 package com.daoClasses;
2 import javax.persistence.Column;
3 import javax.persistence.Entity;
4 import javax.persistence.Id;
5 import javax.persistence.Table;
6
7 @Entity
8 @Table(name="favcrossings")
9 public class AddFavCrossing {
10
11     @Id
12     @Column(name="crossing_name")
13     private String cName;
14     @Column(name="crossing_status")
15     private String status;
16     @Column(name="person_name")
17     private String pName;
18     @Column(name="train_schedule")
19     private String trainSchedule;
20     @Column(name="landmark")
21     private String landmark;
22     @Column(name="address")
23     private String address;
24
25     public String getcName() {
26         return cName;
27     }
28
29     public void setcName(String cName) {
30         this.cName = cName;
31     }
32
33     public String getpName() {
34         return pName;
35     }
36
37     public void setpName(String pName) {
38         this.pName = pName;
39     }
40
41     public String getTrainSchedule() {
42         return trainSchedule;
43     }
44
45     public void setTrainSchedule(String trainSchedule2) {
46         this.trainSchedule = trainSchedule2;
47     }
48
49     public String getLandmark() {
50         return landmark;
51     }
52
53     public void setLandmark(String landmark) {
54         this.landmark = landmark;
55     }
56
57     public String getAddress() {
58         return address;
59     }
```

```
60
61 public void setAddress(String address) {
62     this.address = address;
63 }
64
65 public String getStatus() {
66     return status;
67 }
68 }
69
70 public void setStatus(String status) {
71     this.status = status;
72 }
73 }
74
75
76
```

```
1 package com.daoClasses;
2
3
4 import javax.persistence.Column;
5 import javax.persistence.Entity;
6 import javax.persistence.Id;
7
8 @Entity
9 public class CrossingDetails {
10
11 @Id
12 @Column(name="crossing_name")
13 private String cName;
14 @Column(name="crossing_status")
15 private String status;
16 @Column(name="person_name")
17 private String pName;
18 @Column(name="train_schedule")
19 private String trainSchedule;
20 @Column(name="landmark")
21 private String landmark;
22 @Column(name="address")
23 private String address;
24
25 public String getcName() {
26 return cName;
27 }
28
29 public void setcName(String cName) {
30 this.cName = cName;
31 }
32
33 public String getpName() {
34 return pName;
35 }
36
37 public void setpName(String pName) {
38 this.pName = pName;
39 }
40
41 public String getTrainSchedule() {
42 return trainSchedule;
43 }
44
45 public void setTrainSchedule(String trainSchedule2) {
46 this.trainSchedule = trainSchedule2;
47 }
48
49 public String getLandmark() {
50 return landmark;
51 }
52
53 public void setLandmark(String landmark) {
54 this.landmark = landmark;
55 }
56
57 public String getAddress() {
58 return address;
59 }
```

```
60
61 public void setAddress(String address) {
62     this.address = address;
63 }
64
65 public String getStatus() {
66
67     return status;
68 }
69
70 public void setStatus(String status) {
71     this.status = status;
72 }
73 }
74
```

```
1 package com.daoClasses;
2 import javax.persistence.Column;
3 import javax.persistence.Entity;
4 import javax.persistence.Id;
5
6 @Entity
7 public class User {
8
9     @Id
10    @Column(name="email")
11    private String email;
12    @Column(name="username")
13    private String uname;
14    @Column(name="password")
15    private String password;
16    public String getEmail() {
17        return email;
18    }
19    public void setEmail(String email) {
20        this.email = email;
21    }
22    public String getUname() {
23        return uname;
24    }
25    public void setUname(String uname) {
26        this.uname = uname;
27    }
28    public String getPassword() {
29        return password;
30    }
31    public void setPassword(String password) {
32        this.password = password;
33    }
34
35
36
37 }
38
```

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <!DOCTYPE hibernate-configuration PUBLIC
3 "-//Hibernate/Hibernate Configuration DTD 3.0//EN"
4 "http://www.hibernate.org/dtd/hibernate-configuration-3.0.dtd">
5 <hibernate-configuration>
6 <session-factory>
7 <property
8 name="hibernate.connection.driver_class">com.mysql.cj.jdbc.Driver</property>
9 <property name="hibernate.connection.password">Nodan7253@?</property>
10 <property
11 name="hibernate.connection.url">jdbc:mysql://localhost:3306/railwaycrossingdb</prope
12 rty>
13 <property name="hibernate.connection.username">root</property>
14 <property
15 name="hibernate.dialect">org.hibernate.dialect.MySQL8Dialect</property>
16
17 <property name="hbm2ddl.auto">update</property>
18
19 <mapping class="com.daoClasses.User"/>
20 <mapping class="com.daoClasses.CrossingDetails"/>
21 <mapping class="com.daoClasses.AddFavCrossing"/>
22 </session-factory>
23 </hibernate-configuration>
```



```
1<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
2    pageEncoding="ISO-8859-1"%>
3<!DOCTYPE html>
4<html>
5<head>
6<meta charset="ISO-8859-1">
7<title>Insert title here</title>
8<style>
9    #header{
10 display:flex;
11 justify-content:space-between;
12 align-items:center;
13 }
14 span{
15 font-size:10px;
16 }
17 button{
18 height:14px;
19 display:flex;
20 justify-content:center;
21 align-items:center;
22 text-align:center;
23 border:none;
24 }
25 }
26 .AdminHomeControls{
27 }
28 display:flex;
29 }
30 .AdminHomeControls button{
31 margin-right:15px;
32 }
33 #tableContainer{
34 margin:10px;
35 }
36 th, td {
37 padding: 8px;
38 text-align: left;
39 border-bottom: 1px solid gray;
40 }
41 }
42 </style>
43 </head>
44 <body>
45 <div id="header">
46 <h3>Admin Home Page</h3>
47 <button id="logoutButton"><span>Logout</span></button>
48 </div>
49 }
50 }
51 <div class="AdminHomeControls">
52 <button id="adminHome"><span>Home</span></button>
53 <button id="addCrossing"><span>Add Railway Crossings</span></button>
54 </div>
55 }
56 <%@ taglib prefix="sql" uri="http://java.sun.com/jsp/jstl/sql" %>
57 <%@ page import="java.sql.*" %>
58 }
59<sql:setDataSource var="dataSource" driver="com.mysql.cj.jdbc.Driver"
```

```

60 url="jdbc:mysql://localhost:3306/railwaycrossingdb" user="root"
61 password="Ammanana@789" />
62
63 <sql:query dataSource="${dataSource}" var="result">
64
65
66 select * from crossingdetails
67 </sql:query>
68
69
70 <%int count=0; %>
71 <div id="tableContainer">
72 <table>
73 <tr>
74 <th>Sr.No</th>
75 <th>Name</th>
76 <th>Address</th>
77 <th>Landmark</th>
78 <th>Train Schedule</th>
79 <th>Person In Charge</th>
80 <th>Action</th>
81 </tr>
82 <c:forEach var="row" items="${result.rows}">
83 <tr>
84 <td><%=++count%></td>
85 <td>${row.crossing_name}</td>
86 <td>${row.address}</td>
87 <td>${row.landmark}</td>
88 <td>${row.train_schedule}</td>
89 <td>${row.person_name}</td>
90 <td>
91 <div style="display: flex; flex-direction: row">
92 <form action="" method="post">
93 <input type="hidden" name="crossingName"
94 value="${row.crossing_name}">
95 <input type="submit" value="Update" id="deleteCrossing">
96 </form>
97 <form action="deleteCrossing" method="post">
98 <input type="hidden" name="crossingName"
99 value="${row.crossing_name}">
100 <input type="submit" value="Delete" id="deleteCrossing">
101 </form>
102 </div>
103 </td>
104 </tr>
105 </c:forEach>
106 </table>
107 </div>
108 <script>
109
110 const logoutButton = document.getElementById('logoutButton');
111 logoutButton.addEventListener('click', function() {
112 window.location.href = 'LogoutPage.jsp';
113 });
114
115 const homeButton = document.getElementById("adminHome");
116 homeButton.addEventListener('click', function(e) {
117 window.location.href="AdminHomePage.jsp";
118

```

```
119 });  
120  
121 const acButton = document.getElementById("addCrossing");  
122 acButton.addEventListener('click', function(e) {  
123   window.location.href="AddRailwayCrossing.jsp";  
124 });  
125  
126 </script>  
127  
128 </body>  
129 </html>  
130
```

```
1<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
2    pageEncoding="ISO-8859-1"%>
3<!DOCTYPE html>
4<html>
5<head>
6<meta charset="ISO-8859-1">
7<title>Insert title here</title>
8<style>
9  #header{
10 display:flex;
11 justify-content:space-between;
12 align-items:center;
13 }
14 span{
15 font-size:10px;
16 }
17 button{
18 height:14px;
19 display:flex;
20 justify-content:center;
21 align-items:center;
22 text-align:center;
23 border:none;
24
25 }
26 .Controllers{
27
28 display:flex;
29 }
30 .Controllers button{
31 margin-right:15px;
32 }
33
34 #crossingDetails{
35 margin-top:20px;
36 }
37 #crossingDetails p{
38 margin:0px;
39 padding:8px;
40 color:gray;
41 font-size:small;
42 }
43 #crossingDetails h5{
44 margin:0px;
45 padding:8px;
46 font-size:medium;
47 }
48 #RemoveFav{
49 width:120px;
50 margin:8px;
51 margin-top:0px;
52 background-color:white;
53 color:gray;
54 font-size:8px;
55 font-weight:bold;
56 height:20px;
57 }
58 #crossingDetails span{
59 color:black;
```

```

60 font-size:15px;
61 font-weight:bold;
62
63 }
64 </style>
65
66 </head>
67 <body>
68
69 <div id="header">
70 <h3>Favourite Railway Crossing</h3>
71 <button id="logoutButton"><span>Logout</span></button>
72 </div>
73
74 <div class="Controllers">
75 <button id="Home"><span>Home</span></button>
76 <button id="SearchCrossing"><span>Search Crossings</span></button>
77 </div>
78
79 <script type="text/javascript">
80 const searchButton = document.getElementById("SearchCrossing");
81 searchButton.addEventListener('click', function() {
82 window.location.href = "SearchCrossing.jsp";
83 })
84 </script>
85
86 <%@ taglib prefix="sql" uri="http://java.sun.com/jsp/jstl/sql" %>
87 <%@ page import="java.sql.*" %>
88
89 <sql:setDataSource var="dataSource" driver="com.mysql.cj.jdbc.Driver"
90 url="jdbc:mysql://localhost:3306/railwaycrossingdb" user="root"
91 password="Ammanana@789" />
92
93 <sql:query dataSource="${dataSource}" var="result">
94 select * from favcrossings;
95 </sql:query>
96
97 <c:forEach items="${result.rows}" var="row">
98
99 <div id="crossingDetails" style="border: 1px solid gray;">
100 <h5>${row.crossing_name}</h5>
101 <p>Crossing status: <span style="color: white; background-color:
102 ${row.crossing_status == 'open' ? 'green' : 'red'}; padding:2px;
103 height:7px;">${row.crossing_status}</span></p>
104 <p>Person In Charge: <span>${row.person_name}</span></p>
105 <p>Train Schedule: <span>${row.train_schedule}</span></p>
106 <p>Landmark: <span>${row.landmark}</span></p>
107 <p>Address: <span>${row.address}</span></p>
108
109 <form action="RemoveFromFavController" method="post">
110 <input type="hidden" name="crossingName"
111 value="${row.crossing_name}">
112 <input type="submit" value="REMOVE FROM FAVOURITE" id="RemoveFav">
113 </form>
114 </div>
115
116 </c:forEach>
117
118 <script type="text/javascript">

```

```
119 const homeButton = document.getElementById("Home");
120 homeButton.addEventListener('click', function() {
121   window.location.href="Home.jsp";
122
123 });
124
125 const logoutButton = document.getElementById("logoutButton");
126 logoutButton.addEventListener('click', function() {
127
128   window.location.href="LogoutPage.jsp";
129 });
130 </script>
131
132 </body>
133 </html>
```

```
1<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
2    pageEncoding="ISO-8859-1"%>
3<!DOCTYPE html>
4<html>
5<head>
6<meta charset="ISO-8859-1">
7<title>Insert title here</title>
8<style>
9  #header{
10 display:flex;
11 justify-content:space-between;
12 align-items:center;
13 }
14 span{
15 font-size:10px;
16 }
17 button{
18 height:14px;
19 display:flex;
20 justify-content:center;
21 align-items:center;
22 text-align:center;
23 border:none;
24 }
25 }
26 .crossing{
27 }
28 display:flex;
29 }
30 .crossing button{
31 margin-right:15px;
32 }
33 #crossingDetails{
34 margin-top:20px;
35 }
36 #crossingDetails p{
37 margin:0px;
38 padding:8px;
39 color:gray;
40 font-size:small;
41 }
42 #crossingDetails h5{
43 margin:0px;
44 padding:8px;
45 font-size:medium;
46 }
47 #AddFav{
48 width:120px;
49 margin:8px;
50 margin-top:0px;
51 background-color:white;
52 color:gray;
53 font-size:8px;
54 font-weight:bold;
55 height:20px;
56 }
57 #crossingDetails span{
58 color:black;
59 font-size:15px;
```

```

60 font-weight:bold;
61 }
62 </style>
63
64 </head>
65 <body>
66 <div id="header">
67 <h3>User HomePage</h3>
68 <button id="logoutButton"><span>Logout</span></button>
69 </div>
70
71 <div class="crossing">
72 <button id="allCrosses"><span>All</span></button>
73 <button id="favCrosses"><span>Favourite Crossings</span></button>
74 </div>
75
76 <%@ taglib prefix="sql" uri="http://java.sun.com/jsp/jstl/sql" %>
77 <%@ page import="java.sql.*" %>
78
79 <sql:setDataSource var="dataSource" driver="com.mysql.cj.jdbc.Driver"
80 url="jdbc:mysql://localhost:3306/railwaycrossingdb" user="root"
81 password="Ammanana@789" />
82
83 <sql:query dataSource="${dataSource}" var="result">
84 select * from crossingdetails
85 </sql:query>
86
87
88
89 <c:forEach var="row" items="${result.rows}">
90 <div id="crossingDetails" style="border: 1px solid gray;">
91 <h5>${row.crossing_name}</h5>
92 <p>Crossing status: <span style="color: white; background-color:
93 ${row.crossing_status == 'open' ? 'green' : 'red'}; padding:2px;
94 height:7px;">${row.crossing_status}</span></p>
95 <p>Person In Charge: <span>${row.person_name}</span></p>
96 <p>Train Schedule: <span>${row.train_schedule}</span></p>
97 <p>Landmark: <span>${row.landmark}</span></p>
98 <p>Address: <span>${row.address}</span></p>
99
100 <form action="AddToFavController" method="post">
101 <input type="hidden" name="crossingName" value="${row.crossing_name}">
102 <input type="hidden" name="crossingStatus"
103 value="${row.crossing_status}">
104 <input type="hidden" name="personInCharge" value="${row.person_name}">
105 <input type="hidden" name="trainSchedule"
106 value="${row.train_schedule}">
107 <input type="hidden" name="landmark" value="${row.landmark}">
108 <input type="hidden" name="address" value="${row.address}">
109 <input type="submit" value="ADD TO FAVOURITE" id="AddFav">
110 </form>
111 </div>
112
113
114 </c:forEach>
115
116 <script>
117 // Get a reference to the submit button
118 const submitButton = document.getElementById('logoutButton');

```



```
119
120 // Add a click event listener to the submit button
121 submitButton.addEventListener('click', function() {
122 // Redirect to the specific page
123 window.location.href = 'LogoutPage.jsp';
124 });
125
126
127 const homeButton = document.getElementById("favCrosses");
128 homeButton.addEventListener('click', function(e) {
129 window.location.href="FavCrossings.jsp";
130
131 });
132 </script>
133
134 </body>
135 </html>
```

```
1<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
2    pageEncoding="ISO-8859-1"%>
3<!DOCTYPE html>
4<html>
5<head>
6<meta charset="ISO-8859-1">
7<title>Insert title here</title>
8</head>
9<body>
10<style>
11    body {
12        display: flex;
13        justify-content: center;
14        align-items: center;
15        height: 100vh;
16    }
17
18    div {
19        text-align: center;
20    }
21
22    table th {
23        text-align: left;
24    }
25
26    table td {
27        text-align: left;
28    }
29
30    table tr {
31        margin-bottom: 10px;
32    }
33    table td input {
34        margin-left: 40px;
35        width:150px
36    }
37    #register {
38        background-color: lime;
39        width:150px;
40        margin-top:10px;
41    }
42    table td span{
43        font-size:10px;
44        align-items:center;
45        justify-content:center;
46        display:flex;
47        margin-left:25px;
48    }
49 </style>
50 </head>
51 </body>
52 <div>
53 <form action="URegister" method="post">
54 <table>
55 <tr>
56 <th>Enter name:</th>
57 </tr>
58 <tr>
59 <td><input type="text" id="username" name="username"/></td>
```

```
60 </tr>
61 <tr>
62 <th>Enter Email:</th>
63 </tr>
64 <tr>
65 <td><input type="email" id="email" name="email"/></td>
66</tr>
67
68 <tr>
69 <th>Enter Password:</th>
70 </tr>
71 <tr>
72 <td><input type="password" id="password" name="password"/></td>
73 </tr>
74 <tr>
75 <td><input type="submit" value="Register" id="register"></td>
76 </tr>
77 <tr><td><span>Already have account?<a href="LoginPage.jsp">Sign in
78 here</a></span></td></tr>
79 </table>
80 </form>
81 </div>
82 </body>
83
84</html>
```

```
1 <%@ page language="java" contentType="text/html; charset=ISO-8859-1"
2   pageEncoding="ISO-8859-1"%>
3 <!DOCTYPE html>
4 <html>
5 <head>
6 <meta charset="ISO-8859-1">
7 <title>Insert title here</title>
8 <style>
9
10 body{
11 height:100vh;
12 text-align:center;
13 align-items:center;
14 justify-content:center;
15 display:flex;
16 }
17 table th{
18 text-align:left;
19 }
20 table td{
21 text-align:left;
22 }
23 table tr {
24 margin-bottom: 10px;
25 }
26 table td input {
27 margin-left: 20px;
28 width:150px
29 }
30 #login{
31 background-color: lime;
32 width:150px;
33 margin-top:10px;
34 }
35 table td span{
36 font-size:10px;
37 align-items:center;
38 justify-content:center;
39 display:flex;
40 margin-left:18px;
41 }
42 </style>
43
44 </head>
45 <body>
46
47 <form action="HomePage">
48 <table>
49 <tr><th>Enter Email: </th></tr>
50 <tr><td><input type="email" id="email" name="email"></td></tr>
51 <tr><th>Enter Password: </th></tr>
52 <tr><td><input type="password" id="password" name="password"></td></tr>
53 <tr><td><input type="submit" value="Login" name="login"
54 id="login"></td></tr>
55 <tr><td><span>Dont have account?<a href="index.jsp">Create new
56 account</a></span></td></tr>
57 </table>
58 </form>
59
```

Loginpage.jsp

Saturday, 3 June, 2023, 7:02 pm

```
60 </body>
61 </html>
62
```

```
1<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
2    pageEncoding="ISO-8859-1"%>
3<!DOCTYPE html>
4<html>
5<head>
6<meta charset="ISO-8859-1">
7<title>Insert title here</title>
8<style>
9    #logoutSec{
10 display:flex;
11 flex-direction:column;
12 align-items:center;
13 justify-content:center;
14 height: 100vh;
15 }
16 #logoutSec .linkText{
17 font-size:small;
18 font-weight:bold;
19 }
20 </style>
21
22</head>
23 <body>
24 <div id="logoutSec">
25 <h3>Logged Out Successfully.. </h3>
26 <a href="LoginPage.jsp"><span style="font-style: oblique;"
27 class="linkText">Click here to Login again</span></a>
28 </div>
29 </body>
30 </html>
```

```
1<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
2    pageEncoding="ISO-8859-1"%>
3<!DOCTYPE html>
4<html>
5<head>
6<meta charset="ISO-8859-1">
7<title>Insert title here</title>
8<style>
911
1012 #header{
1113 display:flex;
1214 justify-content:space-between;
1315 align-items:center;
1416 }
1517 span{
1618 font-size:10px;
1719 }
1820 button{
1921 height:14px;
2022 display:flex;
2123 justify-content:center;
2224 align-items:center;
2325 text-align:center;
2426 border:none;
2527
2628 }
2729 .Controllers{
2830
2931 display:flex;
3032 }
3133 .Controllers button{
3234 margin-right:15px;
3335 }
3436
3537 #searchContainer p{
3638 margin:0px;
3739 font-size:12px;
3840 padding-top:10px;
3941 padding-bottom:8px;
4042 }
4143 #searchContainer input{
4244 width:200px;
4345 border:1px solid cyan;
4446 margin-bottom:8px;
4547 }
4648 #searchContainer button{
4749 width:200px;
4850 height:20px;
4951 }
5052 #crossingDetails{
5153 margin-top:20px;
5254 }
5355 #crossingDetails p{
5456 margin:0px;
5557 padding:8px;
5658 color:gray;
5759 font-size:small;
5860 }
5961 #crossingDetails h5{
```

```

60 62 margin:0px;
61 63 padding:8px;
62 64 font-size:medium;
63
64 65 }
65 66 #AddFav{
66 67 width:120px;
67 68 margin:8px;
68 69 margin-top:0px;
69 70 background-color:white;
70 71 color:gray;
71 72 font-size:8px;
72 73 font-weight:bold;
73 74 height:20px;
74 75 }
75 76 #crossingDetails span{
76 77 color:black;
77 78 font-size:15px;
78 79 font-weight:bold;
79 80 }
80
81
82 </style>
83
84 </head>
85 <body>
86 87
87 88 <div id="header">
88 89 <h3>Search Railway Crossing</h3>
89 90 <button id="logoutButton"><span>Logout</span></button>
90 91 </div>
91 92
92 93 <div class="Controllers">
93 94 <button id="Home"><span>All</span></button>
94 95 <button id="favCrossing"><span>Favourite Crossings</span></button>
95 96 </div>
96 97
97 98 <div id="searchContainer">
98 99 <form action="SearchCrossingRetriever">
99 100 <p>Search Railway Crossing</p>
100 101 <input type="search" name="searchCrossing" id="searchCrossing">
101 102 <button id="searchButton">Search</button>
102 103 </form>
103 104 </div>
104 105
105 106 <%String prop = request.getParameter("prop");
106 if(prop==null){
107 prop="none";
108 }
109 %>
110 111
111 112 <div id="resultContainer" style="display:<%=prop%>">
112 113 <c:forEach var="crossing" items="{Crossings}">
113 114 <div id="crossingDetails" style="border: 1px solid gray;">
114 115 <h5>${crossing.cName}</h5>
115 116 <p>Crossing status: <span style="color: white; background-color:
116 ${crossing.status == 'open' ? 'green' : 'red'}"; padding:2px;
117 height:7px;">${crossing.status}</span></p>
118 117 <p>Person In Charge: <span>${crossing.pName}</span></p>

```



```
119118 <p>Train Schedule: <span>${crossing.trainSchedule}</span></p>
120119 <p>Landmark: <span>${crossing.landmark}</span></p>
121120 <p>Address: <span>${crossing.address}</span></p>
122121
123122 <form action="AddToFavController" method="post">
124123 <input type="hidden" name="crossingName" value="${crossing.cName}">
125124 <input type="hidden" name="crossingStatus" value="${crossing.status}">
126125 <input type="hidden" name="personInCharge" value="${crossing.pName}">
127126 <input type="hidden" name="trainSchedule"
128
129value="${crossing.trainSchedule}">
130127 <input type="hidden" name="landmark" value="${crossing.landmark}">
131128 <input type="hidden" name="address" value="${crossing.address}">
132129 <input type="submit" value="ADD TO FAVOURITE" id="AddFav">
133130 </form>
134131 </div>
135132 </c:forEach>
136133 </div>
137134
138135 <script>
139136 const logoutButton = document.getElementById('logoutButton');
140137 logoutButton.addEventListener('click', function() {
141138 window.location.href = 'LogoutPage.jsp';
142139 });
143140
144141 const homeButton = document.getElementById("Home");
145142 homeButton.addEventListener('click', function() {
146143 window.location.href = "Home.jsp";
147144 });
148145
149146 const favButton = document.getElementById("favCrossing");
150147 favButton.addEventListener('click', function() {
151148 window.location.href = "FavCrossings.jsp";
152149 });
153150
154151 </script>
155152 </body>
156153 </html>
```