AddToFavController.java

```java
 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.setcName(crossingName);
31 afc.setStatus(crossingStatus);
32 afc.setpName(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 }
```

DeleteCrossing.java

```java
 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 }
```

```java
 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
```

HomePage.java

```java
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
```

```java
 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
```

```java
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 }
```

RegisterNullFilter.java

```java
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
```

RemoveFromFavController.java

```java
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 =
   :crossingName");
28 q.setParameter("crossingName", crossingName);
29 q.executeUpdate();
30 session.getTransaction().commit();
31 session.close();
32 response.sendRedirect("FavCrossings.jsp");
33
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 }
```

SearchCrossingRetriever.java

```java
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
   like :searchName");
32 query.setParameter("searchName", "%" + sName + "%");
33 List<CrossingDetails> crossings = query.getResultList();
34
35 HttpSession httpsession = request.getSession();
36 httpsession.setAttribute("Crossings", crossings);
37 response.sendRedirect("SearchCrossing.jsp?prop=block");
38
39
40 }
41 protected void doPost(HttpServletRequest request, HttpServletResponse response)
42 throws ServletException, IOException {
43
44 doGet(request, response);
45 }
46
47 }
48
```

```java
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
```

AddFavCrossing.java

```java
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
```

```java
 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 }
```

```java
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
```

User.java

```java
package com.daoClasses;
import javax.persistence.Column;
import javax.persistence.Entity;
import javax.persistence.Id;

@Entity
public class User {

@Id
@Column(name="email")
private String email;
@Column(name="username")
private String uname;
@Column(name="password")
private String password;
public String getEmail() {
return email;
}
public void setEmail(String email) {
this.email = email;
}
public String getUname() {
return uname;
}
public void setUname(String uname) {
this.uname = uname;
}
public String getPassword() {
return password;
}
public void setPassword(String password) {
this.password = password;
}



}
```

hibernate.cfg.xml

```xml
 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>
```

AdminHomePage.jsp

```jsp
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
44 </head>
45 <body>
46 <div id="header">
47 <h3>Admi Home Page</h3>
48 <button id="logoutButton"><span>Logout</span></button>
49 </div>
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"
```

```jsp
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
```

FavCrossings.jsp

```jsp
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">
```

FavCrossings.jsp

```
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;
```

```jsp
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>
```

index.jsp

```
 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>
```

Loginpage.jsp

```jsp
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

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

LogoutPage.jsp

```jsp
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>
```

SearchCrossing.jsp

```jsp
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 11
12 #header{
13 display:flex;
14 justify-content:space-between;
15 align-items:center;
16 }
17 span{
18 font-size:10px;
19 }
20 button{
21 height:14px;
22 display:flex;
23 justify-content:center;
24 align-items:center;
25 text-align:center;
26 border:none;
27
28 }
29 .Controllers{
30
31 display:flex;
32 }
33 .Controllers button{
34 margin-right:15px;
35 }
36
37 #searchContainer p{
38 margin:0px;
39 font-size:12px;
40 padding-top:10px;
41 padding-bottom:8px;
42 }
43 #searchContainer input{
44 width:200px;
45 border:1px solid cyan;
46 margin-bottom:8px;
47 }
48 #searchContainer button{
49 width:200px;
50 height:20px;
51 }
52 #crossingDetails{
53 margin-top:20px;
54 }
55 #crossingDetails p{
56 margin:0px;
57 padding:8px;
58 color:gray;
59 font-size:small;
60 }
61 #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>
```