

```

UserPage.jsp x UserRegistration.jsp
22<= <body align="center">
23 <br>
24 <h1> FLYAWAY</h1>
25
26 <br><br>
27 <h2>User Login</h2>
28<= <div align="center">
29<= <form action=UserLogin method=post >
30<= <table >
31<= <tr>
32 <td><label for=email>Email:</label><br></td>
33 <td><input type="email" name=email id=email /></td>
34 </tr>
35<= <tr>
36 <td><label for=pass>Password:</label><br></td>
37 <td><input type="password" name=password id=pass /></td>
38 </tr>
39
40<= <tr>
41 <td><input type="submit" value=submit /></td>
42 <td><input type=reset /></td>
43 </tr>
44 </table>
45 <a href=HomePage.jsp style="color:black;text-decoration:none ;font-size:35px;font-weight:bold;">BACK</a>
46 </form>
47 </div>
48
49 <br><br>
50 <i>New User-Create account</i>
51 <h4><a href=UserRegistration.jsp style="font-size:25;color:red;">Create Account</a></h4>
52
53<= <%
54     String message=(String)session.getAttribute("message");
55     if(message!=null){
56 >
57 <p style="color:green;"><%=message %></p>
58<= <%
59         session.setAttribute("message", null);
60     }
61 >
62
63
64

62
63
64
65
66
67 <!-- FOOTER -->
68<= <footer class="text-center" style="color:BLACK;background:url('');">
69 <h2>UMA Airlines 2022 &copy All Rights Reserved.</h2>
70 <h3><p><i>Web-site designed by UMA LAKSHMI</i></p></h3>
71
72 </footer>
73 </body>
74 </html>

```

```

UserPage.jsp  UserRegistration.jsp x
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  body{
10 background:url("AEO.jpg");
11 background-size:cover;
12 }
13 </style>
14 </head>
15 <body align="center">
16 <br>
17 <h1> FLYAWAY</h1>
18 <div align="center">
19 <h1> !.....user registration....!</h1>
20 <form action=UserRegistration method=post>
21 <table>
22 <tr>
23
24         <td><label for=email>Email :-</label> <input type="email" name=email id=email /><br><br></td>
25 </tr>
26 <tr>
27         <td><label for=pass>Password :-</label> <input type="password" name=password id=pass /><br><br></td>
28 </tr>
29 <tr>
30         <td><label for=name>Name :-</label> <input type="text" name=name id=name /><br><br></td>
31 </tr>
32 <tr>
33         <td><label for=phno>Phone No. :-</label> <input type="text" name=phno id=phno /><br><br></td>
34 </tr>
35 <tr>
36         <td><label for=adno>Aadhaar No. :-</label> <input type="text" name=adno id=adno /><br><br></td>
37 </tr>
38 <tr>
39         <td><input type=submit value=submit /> <input type=reset /></td>
40 </tr>
41 </table>
42 <a href=HomePage.jsp style="color:black;text-decoration:none ;font-size:35px;font-weight:bold;">BACK</a>
43 </form>
44 <br><br><br>
45 <footer class="text-center" style="color:cyan;background:url('');">
46     <h2>UMA Airlines 2022 &copy All Rights Reserved.</h2>
47     <h3><p><i>Web-site designed by  UMA LAKSHMI</i></p></h3>
48
49     </footer>
50 </div>
51 </body>
52 </html>

```

```

UserPage.jsp  UserRegistration.jsp  HomePage.jsp ×
1  <%@ page language="java" contentType="text/html; charset=ISO-8859-1"
2      pageEncoding="ISO-8859-1"%>
3  <%@ page import="java.util.*"%>
4  <!DOCTYPE html>
5  <html>
6  <head>
7      <meta charset="ISO-8859-1">
8      <title>FlyAway</title>
9  </head>
10 <body>
11     background:url("AEO.jpg");
12     background-size: cover;
13
14 </body>
15 </html>
16 </head>
17 <body align="center" >
18     <h1>FlyAway</h1>
19
20 <div align="center">
21     <a href="AdminPage.jsp" style="color:red">Admin Login</a>
22 </div>
23
24 <%
25     @SuppressWarnings("unchecked")
26     HashMap<String,String> user=(HashMap<String,String>)session.getAttribute("user");
27     if(user!=null){
28         %>
29         <p>Welcome <%=user.get("name") %></p>
30     }
31 <%
32     }else{
33         %>
34         <a href=".jsp" style="color:red">User Login</a>
35     }
36 %>
37
38 <br><br>
39 <div align="center">
40 <form action=FlightList method=post>
41 <table>
42     <tr>
43         <td><label for=from>From :-</label> <input type=text name=from id=from/><br><br></td>
44     </tr>
45     <tr>
46         <td><label for=to>To :-</label> <input type=text name=to id=to/><br><br></td>
47     </tr>
48     <tr>
49         <td><label for=departure>Departure :-</label> <input type=date name=departure id=departure/><br><br></td>
50     </tr>
51     <tr>
52         <td><label for=travellers>Travellers :-</label> <input type=number name=travellers id=travellers/><br><br></td>
53     </tr>
54     <tr>
55         <td><input type=submit value=Search />
56         <input type=reset /></td>
57     </tr>
58 </table>
59 <div align="bottom">
60     <h2><a href="Logout" style="color:red">Logout</a></h2>
61 </div>
62 <footer class="text-center" style="color:BLACK;background:url('');">
63     <h2>UMA Airlines 2022 &copy All Rights Reserved.</h2>
64     <h3><p><i>Web-site designed by UMA LAKSHMI</i></p></h3>
65 </footer>
66 </form>
67 </div>
68
69 </body>
70 </html>

```

```
UserPage.jsp  HomePage.jsp  FlightList.jsp x  payment.jsp  ForgotPasswo...  BookFlight.jsp  AdminPage.jsp  AdminHome.jsp  "1
1  <%@ page language="java" contentType="text/html; charset=ISO-8859-1"
2    pageEncoding="ISO-8859-1"%>
3  <!DOCTYPE html>
4  <%@ page import="java.util.*" %>
5  <html>
6  <head>
7    <meta charset="ISO-8859-1">
8    <title>Flight List</title>
9  </head>
10  <body>
11    background:url("AEO.jpg");
12    background-size:cover;
13
14  }
15  </body>
16  </html>
17  </head>
18  <body align="center">
19    <br>
20    <h1>FLYAWAY</h1>
21
22    <br><br>
23  <%
24    @SuppressWarnings("unchecked")
25    List<String[]> flights=(List<String[]>)session.getAttribute("flights");
26    if(flights!=null){
27  %>
28
29    <h1>Available Flights</h1>
30  <div align="center">
31
32  <table border="1">
33  <tr>
34    <th>Name</th>
35    <th>Time</th>
36    <th>Price</th>
37  </tr>
38
39
40
41  <%
42    for(String[] flight:flights){
43  %>
```

```
UserPage.jsp  HomePage.jsp  FlightList.jsp X  payment.jsp  ForgotPasswo...  BookFlight.jsp  AdminPage.jsp  AdminHome.jsp  »1
44<tr>
45  <td><%=flight[0]%></td>
46  <td><%=flight[1]%></td>
47  <td><%=flight[2]%></td>
48</tr>
49</table>
50
51<a href=payment.jsp style="color:blue">Book Now</a>
52<%
53  }
54  %>
55
56
57<%
58  }
59  else{
60  %>
61  <h1>There are no available flights</h1>
62<%
63  }
64  %>
65</div>
66<br>
67<br>
68<a href=HomePage.jsp style="color:black;text-decoration:none ;font-size:35px;font-weight:bold;">BACK</a>
69<br>
70<br>
71<br>
72<br>
73<br>
74<br>
75
76
77
78
79
80
81
82
83
84<!-- FOOTER -->
85<footer class="text-center" style="color:BLACK;background:url('');">
--
86  <h2>UMA Airlines 2022 &copy All Rights Reserved.</h2>
87  <h3><p><i>Web-site designed by  UMA LAKSHMI</i></p></h3>
88
89  </footer>
90</body>
91</html>
```

```
UserPage.jsp HomePage.jsp FlightList.jsp payment.jsp x ForgotPasswo... BookFlight.jsp AdminPage.jsp AdminHome.jsp »1
1 <%@ page language="java" contentType="text/html; charset=UTF-8"
2   pageEncoding="UTF-8"%>
3 <!DOCTYPE html>
4 <html>
5 <head>
6 <meta charset="UTF-8">
7 <title>Insert title here</title>
8 <style>
9   body{
10    background:url("AEO.jpg");
11    background-size:cover;
12  }
13 </style>
14 </head>
15 <body align="center">
16 <div align="center">
17   <h1>PAYMENT</h1>
18   <br><br>
19   <form action=FlightList method=post>
20   <div style="border:5px solid black;width:30%;border-radius:20px;padding:20px" align="center">
21   <table>
22   <tr>
23     <td><label for=name>NAME ON A CARD</label><br> <input type=text name=name id=name/><br><br></td>
24   </tr>
25   <tr>
26     <td><label for=no>Card Number</label><br> <input type=text name=no id=no/><br><br></td>
27   </tr>
28   <tr>
29     <td><label for=date>EXPERIDATE</label> <input type=year name=date id=date/><br><br></td><td><label for=cvv>CVV</label>
30   </tr>
31   </table>
32   <div align="bottom">
33     <a href="Conform" style="color:green;text-decoration:none ;font-size:35px;font-weight:bold;">PAY</a>
34   </div>
35   </div>
36   <br><br><br>
37   <footer class="text-center" style="color:BLACK;background:url('');">
38     <h2>UMA Airlines 2022 &copy All Rights Reserved.</h2>
39     <h3><p><i>Web-site designed by UMA LAKSHMI</i></p></h3>
40   </footer>
41
42
43   </footer>
44 </form>
45 </div>
46
47 </body>
48 </html>
```

```
UserPage.jsp  HomePage.jsp  FlightList.jsp  payment.jsp  ForgotPasswo... ×  BookFlight.jsp  AdminPage.jsp  AdminHome.jsp  »1
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>Inset title here</title>
8  <style >
9  body{
10 background:url("AEO.jpg");
11 background-size:cover;
12
13 }</style>
14 </head>
15 <body align="center">
16 <br>
17 <h1> FLYAWAY</h1>
18
19 <br><br>
20
21 <div align="center">
22 <form action=ForgotPassword method=post>
23 <table>
24 <tr>
25     <td><label for=email>Email :-</label> <input type="email" name=email id=email /><br><br></td>
26     </tr>
27     <tr>
28     <td><label for=pass>New Password :-</label> <input type="password" name=password id=pass /><br><br></td>
29     </tr>
30     <tr>
31     <td><input type=submit value=submit /> <input type=reset /></td>
32     </tr>
33 </table>
34 </form>
35 <a href=HomePage.jsp style="color:black;text-decoration:none ;font-size:35px;font-weight:bold;">BACK</a>
36 </div>
37 </body>
38 </html>
```

```

UserPage.jsp  HomePage.jsp  FlightList.jsp  payment.jsp  ForgotPasswo...  BookFlight.jsp X  AdminPage.jsp  AdminHome.jsp  "1
1  <%@ page language="java" contentType="text/html; charset=ISO-8859-1"
2    pageEncoding="ISO-8859-1"%>
3  <%@ page import="java.util.*" %>
4  <!DOCTYPE html>
5  <html>
6  <head>
7    <meta charset="ISO-8859-1">
8    <title>FlyAway</title>
9  <style >
10   body{
11     background:url("AEO.jpg");
12     background-size:cover;
13   }
14 }
15 </style>
16 </head>
17 <body align="center" >
18   <h1>FLYAWAY</h1>
19   <br>
20
21   <%
22     @SuppressWarnings("unchecked")
23     HashMap<String,String> user=(HashMap<String,String>)session.getAttribute("user");
24     if(user==null){
25       response.sendRedirect("UserPage.jsp");
26     }
27   %>
28   <br>
29   <p align="center" style="color:cyan;font-size:40px;font-weight:bold">PAYMENT SUCCESSFULLY DONE...!</p>
30   <p align="center" style="color:violet;font-size:40px;font-weight:bold">Flight Booked Successfully</p>
31   <br>
32   <br>
33   <br>
34   <br>
35
36   <a href=HomePage.jsp style="color:red;text-decoration:none ;font-size:35px;font-weight:bold;">BACK</a>
37   <br>
38   <br>
39   <br>
40   <br>
41
42 <footer>
43   <h2>UMA Airlines 2022 &copy All Rights Reserved.</h2>
44
45   <h3><p><i>Web-site designed by UMA LAKSHMI</i></p></h3>
46   </footer>
47 </body>
48 </html>

```



```

UserPage.jsp  HomePage.jsp  FlightList.jsp  payment.jsp  ForgotPasswo...  BookFlight.jsp  AdminPage.jsp  AdminHome.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>Admin Page</title>
8  <style>
9  body{
10 background:url("AEO.jpg");
11 background-size:cover;
12
13 }</style>
14 </head>
15 <body align="center" >
16 <br>
17 <h1>FLYAWAY</h1>
18
19 <br><br>
20 <h2>Admin Login</h2>
21 <div align="center">
22 <form action=AdminLogin method=post>
23 <table>
24 <tr>
25     <td><label for=email>Email :-</label> <input type="email" name=email id=email /><br><br></td>
26 </tr>
27 <tr>
28     <td><label for=pass>Password :-</label> <input type="password" name=password id=pass /><br><br></td>
29 </tr>
30 <tr>
31     <td><input type=submit value=submit /> <input type=reset /></td>
32 </tr>
33 </table>
34 <a href=ForgotPassword.jsp style="font-size:25;color:red;">Forgot Password</a>
35
36
37 </form>
38 </div>
39
40 <br>
41
42
43 <a href=HomePage.jsp style="color:magenta;text-decoration:none ;font-size:25px;font-weight:bold;">BACK</a>
44
45
46
47 <%
48     String message=(String)session.getAttribute("message");
49     if(message!=null){
50 %>
51 <p style="color:silver;"><%=message %></p>
52 <%
53     session.setAttribute("message", null);
54     }
55 %>
56 <br>
57 <br>
58 <br>
59 <br>
60 <br>
61 <footer class="text-center" style="color:BLACK;background:url('');">
62     <h2>UMA Airlines 2022 &copy All Rights Reserved.</h2>
63     <h3><p><i>Web-site designed by UMA LAKSHMI</i></p></h3>
64
65 </footer>
66 </body>
67 </html>

```

```

UserPage.jsp HomePage.jsp FlightList.jsp payment.jsp ForgotPasswo... BookFlight.jsp AdminPage.jsp AdminHome.jsp x »1
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>Admin Home</title>
8 <style >
9   body{
10    background:url("AEO.jpg");
11    background-size:cover;
12
13   }</style>
14 </head>
15 <body align="center">
16 <br>
17 <h1>FLYAWAY</h1>
18 <br>
19   <h1>Insert New Flight Details</h1>
20
21 <div align="center">
22 <form action=InsertFlight method=post>
23 <table>
24 <tr>
25   <td><label for=name style="color:cyan">Name :-</label> <input type="text" name=name id=name /><br><br></td>
26 </tr>
27 <tr>
28   <td><label for=from style="color:cyan">From :-</label> <input type="text" name=from id=from /><br><br></td>
29 </tr>
30 <tr>
31
32   <td><label for=to style="color:cyan">To :-</label> <input type="text" name=to id=to /><br><br></td>
33 </tr>
34 <tr>
35   <td><label for=departure style="color:cyan">Departure :-</label> <input type="date" name=departure id=departure /><
36 </tr>
37 <tr>
38   <td><label for=time style="color:cyan">Time :-</label> <input type="time" name=time id=time /><br><br></td>
39 </tr>
40 <tr>
41   <td><label for=price style="color:cyan">Price :-</label> <input type="text" name=price id=price /><br><br></td>
42 </tr>
43 <tr>
44   <td><input type=submit value=submit /> <input type=reset /></td>
45 </tr>
46 </table>
47 <a href=HomePage.jsp style="color:black;text-decoration:none ;font-size:35px;font-weight:bold;">BACK</a>
48 </form>
49 </div>
50
51 <%
52   String message=(String)session.getAttribute("message");
53   if(message!=null){
54     %>
55     <p style="color:green;"><%=message %></p>
56 <%
57     session.setAttribute("message", null);
58   }
59 %>
60
61
62
63
64
65
66 <footer class="text-center" style="color:BLACK;background:url('');">
67   <h2>UMA Airlines 2022 &copy All Rights Reserved.</h2>
68   <h3><p><i>Web-site designed by UMA LAKSHMI</i></p></h3>
69
70   </footer>
71 </body>
72 </html>

```

```

UserPage.jsp FlightList.jsp payment.jsp ForgotPasswo... BookFlight.jsp AdminPage.jsp AdminHome.jsp MainTest.java x 2
1 package com.simplilearn.db;
2 import java.sql.Connection;
14
15
16 public class MainTest {
17     public Connection con=null;
18     public Statement st=null;
19
20
21 public MainTest() throws ClassNotFoundException, SQLException{
22     Class.forName("com.mysql.cj.jdbc.Driver");
23     con=DriverManager.getConnection("jdbc:mysql://localhost:3306/flyaway","root","Uma@1472#1a");
24     System.out.println("connection established with database");
25     st=con.createStatement();
26 }
27 public List<String[]> getAvailableFlights(String f, String t, String d) {
28
29     List<String[]> flights=new ArrayList<>();
30     String query="SELECT * FROM flyaway.flights where fromf='"+f+"' and tof='"+t+"' and datef='"+d+"'";
31     try {
32         ResultSet rs=st.executeQuery(query);
33
34         if(rs.next()) {
35             String[] flight=new String[3];
36             flight[0]=rs.getString("name");
37             flight[1]=rs.getString("timef");
38             flight[2]=rs.getString("price");
39             flights.add(flight);
40             return flights;
41         }
42
43     } catch (SQLException e) {
44         e.printStackTrace();
45     }
46
47     return null;
48 }
49
50
51 public HashMap<String, String> checkUser(String email, String password) {
52
53     HashMap<String,String> user=null;
54     String query="select * from user where email='"+email+"' and password='"+password+"'";

```

```
UserPage.jsp FlightList.jsp payment.jsp ForgotPasswo... BookFlight.jsp AdminPage.jsp AdminHome.jsp MainTest.java × 2
55     try {
56         ResultSet rs=st.executeQuery(query);
57         if(rs.next()) {
58             user=new HashMap<>();
59             user.put("name", rs.getString("name"));
60             user.put("email", rs.getString("email"));
61             user.put("phno", rs.getString("phno"));
62             user.put("adno", rs.getString("adno"));
63         }
64         return user;
65     } catch (SQLException e) {
66         e.printStackTrace();
67     }
68
69     return user;
70 }
71
72=public boolean insertUser(HashMap<String, String> user) {
73
74     String query="INSERT INTO user (email, password, name, phno, adno) values ('"+user.get("email")+"','"+user.get("pas
75         +user.get("name")+"','"+user.get("phno")+"','"+user.get("adno")+"')";
76
77     try {
78         st.execute(query);
79         return true;
80     } catch (SQLException e) {
81         e.printStackTrace();
82     }
83     return false;
84 }
85
86=public boolean checkAdmin(String email, String password) {
87
88     try {
89         ResultSet rs=st.executeQuery("select * from admin where email='"+email+"' and password='"+password+"'");
90         if(rs.next())
91             return true;
92     } catch (SQLException e) {
93         e.printStackTrace();
94     }
95     return false;
96 }
97
```

```

UserPage.jsp FlightList.jsp payment.jsp ForgotPasswo... BookFlight.jsp AdminPage.jsp AdminHome.jsp MainTest.java × 2
98 public boolean changeAdminPassword(String email, String password) {
99
100     try {
101         ResultSet rs=st.executeQuery("select * from admin where email='"+email+"'");
102         if(!rs.next()) {
103             return false;
104         }
105         st.executeUpdate("update admin set password='"+password+"' where email='"+email+"'");
106         return true;
107     } catch (SQLException e) {
108         e.printStackTrace();
109     }
110     return false;
111 }
112
113 public boolean insertFlight(HashMap<String, String> flight) throws SQLException {
114     String query1 = "INSERT INTO flights (name, fromf, tof, datef, timef, price) VALUES" + " ('"
115         + FlyAwayUtil.fixSqlFieldValue(flight.get("name")) + "','" + FlyAwayUtil.fixSqlFieldValue(flight.get("
116         + FlyAwayUtil.fixSqlFieldValue(flight.get("to")) + "','" + FlyAwayUtil.fixSqlFieldValue(flight.get("
117         + FlyAwayUtil.fixSqlFieldValue(flight.get("time")) + "','" + FlyAwayUtil.fixSqlFieldValue(flight.get("
118
119     System.out.println(flight.get("date"));
120
121     System.out.println(flight.get("time"));
122
123     try {
124         //stm.execute();
125         st.execute(query1);
126         return true;
127     } catch (SQLException e) {
128         System.out.print("error");
129         e.printStackTrace();
130     }
131 }
132
133     return false;
134 }
135 public List<String[]> getAvailableFlights(String name, String no, String exp, String cvv) {
136
137     List<String[]> flights=new ArrayList<>();
138     String query="SELECT * FROM flyaway.card where name='"+name+"' and no='"+no+"' and exp='"+exp+"'and cvv='"+cvv+"'";
139     try {
140
141         ResultSet rs=st.executeQuery(query);
142
143         if(rs.next()) {
144             String[] flight=new String[4];
145             flight[0]=rs.getString("name");
146             flight[1]=rs.getString("no");
147             flight[2]=rs.getString("date");
148             flight[3]=rs.getString("cvv");
149             flights.add(flight);
150             return flights;
151         }
152
153     } catch (SQLException e) {
154         e.printStackTrace();
155     }
156
157     return null;
158 }
159
160 }

```

```

paymentjsp ForgotPasswo... BookFlightjsp AdminPagejsp AdminHomejsp MainTestjava AdminLoginjava × Conformjava »4
1 package com.simplilearn.servlets;
2
3 import java.io.IOException;
4 import java.sql.SQLException;
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 import javax.servlet.http.HttpSession;
11
12 import com.simplilearn.db.MainTest;
13
14
15
16 @WebServlet("/AdminLogin")
17 public class AdminLogin extends HttpServlet {}
18     private static final long serialVersionUID = 1L;
19
20 protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
21
22     String email=request.getParameter("email");
23     String password=request.getParameter("password");
24
25     try {
26         MainTest dao=new MainTest();
27
28         if(dao.checkAdmin(email,password)) {
29             response.sendRedirect("AdminHome.jsp");
30         }
31         else {
32             HttpSession session=request.getSession();
33             session.setAttribute("message", "Invalid Details");
34             response.sendRedirect("AdminPage.jsp");
35         }
36     } catch (ClassNotFoundException | SQLException e) {
37         // TODO Auto-generated catch block
38         e.printStackTrace();
39     }
40
41 }
42
43 }

```

```

paymentjsp ForgotPasswo... BookFlightjsp AdminPagejsp AdminHomejsp MainTestjava AdminLoginjava Conformjava × »4
1 package com.simplilearn.servlets;
2
3 import javax.servlet.annotation.WebServlet;
4 import java.io.IOException;
5
6 import javax.servlet.ServletException;
7 import javax.servlet.http.HttpServlet;
8 import javax.servlet.http.HttpServletRequest;
9 import javax.servlet.http.HttpServletResponse;
10
11
12 @WebServlet("/Conform")
13 public class Conform extends HttpServlet {}
14     private static final long serialVersionUID = 1L;
15 protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
16
17     //HttpSession session=request.getSession();
18     //session.setAttribute("user", null);
19     response.sendRedirect("BookFlight.jsp");
20 }
21
22 }

```

```
ForgotPasswo... BookFlightjsp AdminPage.jsp AdminHome.jsp MainTest.java AdminLogin.java Conform.java DCardPay.java ×
1 package com.simplilearn.servlets;
2
3 import java.io.IOException;
4 import java.sql.SQLException;
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 com.simplilearn.db.MainTest;
15
16 @WebServlet("/dcard")
17 public class DCardPay extends HttpServlet {
18     private static final long serialVersionUID = 1L;
19
20     protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
21
22         String from=request.getParameter("name");
23         String to=request.getParameter("to");
24         String departure=request.getParameter("date");
25         String cvv=request.getParameter("cvv");
26
27         try {
28             MainTest dao = new MainTest();
29             List<String[]> flights=dao.getAvailableFlights(from, to, departure, cvv);
30             HttpSession session=request.getSession();
31             session.setAttribute("flights", flights);
32
33         } catch (ClassNotFoundException | SQLException e) {
34
35             e.printStackTrace();
36         }
37         response.sendRedirect("FlightList.jsp");
38     }
39 }
```

```
BookFlightjsp AdminPagejsp AdminHomejsp MainTest.java AdminLogin.java Conform.java DCardPay.java FlightList.java x »
1 package com.simplilearn.servlets;
2
3 import java.io.IOException;
4 import java.sql.SQLException;
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 com.simplilearn.db.MainTest;
15
16 @WebServlet("/FlightList")
17 public class FlightList extends HttpServlet {}
18     private static final long serialVersionUID = 1L;
19
20     protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
21
22         String from=request.getParameter("from");
23         String to=request.getParameter("to");
24         String departure=request.getParameter("departure");
25
26         try {
27             MainTest dao = new MainTest();
28             List<String[]> flights=dao.getAvailableFlights(from, to, departure);
29             HttpSession session=request.getSession();
30             session.setAttribute("flights", flights);
31
32         } catch (ClassNotFoundException | SQLException e) {
33
34             e.printStackTrace();
35         }
36         response.sendRedirect("FlightList.jsp");
37     }
38 }
```



```
AdminHome.jsp  MainTest.java  AdminLogin.java  Conform.java  DCardPay.java  FlightList.java  ForgotPasswo... X  InsertFligh...
1 package com.simplilearn.servlets;
2
3 import javax.servlet.annotation.WebServlet;
4 import java.io.IOException;
5 import java.sql.SQLException;
6
7 import javax.servlet.ServletException;
8 import javax.servlet.http.HttpServlet;
9 import javax.servlet.http.HttpServletRequest;
10 import javax.servlet.http.HttpServletResponse;
11 import javax.servlet.http.HttpSession;
12
13 import com.simplilearn.db.MainTest;
14 @WebServlet("/ForgotPassword")
15 public class ForgotPassword extends HttpServlet {
16     private static final long serialVersionUID = 1L;
17     protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
18
19         String email=request.getParameter("email");
20         String password=request.getParameter("password");
21
22         try {
23             MainTest dao=new MainTest();
24             HttpSession session=request.getSession();
25             if(dao.changeAdminPassword(email,password)) {
26                 session.setAttribute("message", "Password Changed Successfully");
27             }
28             else {
29                 session.setAttribute("message", "Invalid Details");
30             }
31         } catch (ClassNotFoundException | SQLException e) {
32             // TODO Auto-generated catch block
33             e.printStackTrace();
34         }
35         response.sendRedirect("AdminPage.jsp");
36     }
37
38
39 }
```

```
AdminHome.jsp  MainTest.java  AdminLogin.java  Conform.java  DCardPay.java  FlightList.java  ForgotPasswo...  InsertFligh...
1 package com.simplilearn.servlets;
2
3 import javax.servlet.annotation.WebServlet;
4 import java.io.IOException;
5 import java.sql.SQLException;
6
7 import javax.servlet.ServletException;
8 import javax.servlet.http.HttpServlet;
9 import javax.servlet.http.HttpServletRequest;
10 import javax.servlet.http.HttpServletResponse;
11 import javax.servlet.http.HttpSession;
12
13 import com.simplilearn.db.MainTest;
14 @WebServlet("/ForgotPassword")
15 public class ForgotPassword extends HttpServlet {
16     private static final long serialVersionUID = 1L;
17     protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
18
19         String email=request.getParameter("email");
20         String password=request.getParameter("password");
21
22         try {
23             MainTest dao=new MainTest();
24             HttpSession session=request.getSession();
25             if(dao.changeAdminPassword(email,password)) {
26                 session.setAttribute("message", "Password Changed Successfully");
27             }
28             else {
29                 session.setAttribute("message", "Invalid Details");
30             }
31         } catch (ClassNotFoundException | SQLException e) {
32             // TODO Auto-generated catch block
33             e.printStackTrace();
34         }
35         response.sendRedirect("AdminPage.jsp");
36     }
37 }
38
39 }
```

```

MainTest.java AdminLogin.java Conform.java DCardPay.java FlightList.java ForgotPasswo... InsertFligh... Logout.java
1 package com.simplilearn.servlets;
2
3 import javax.servlet.annotation.WebServlet;
4 import javax.servlet.http.HttpServlet;
5 import java.io.IOException;
6 import java.sql.SQLException;
7 import java.util.HashMap;
8
9 import javax.servlet.ServletException;
10 import javax.servlet.http.HttpServletRequest;
11 import javax.servlet.http.HttpServletResponse;
12 import javax.servlet.http.HttpSession;
13
14 import com.simplilearn.db.MainTest;
15
16
17 @WebServlet("/InsertFlight")
18 public class InsertFlight extends HttpServlet {
19     private static final long serialVersionUID = 1L;
20     protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
21         String name=request.getParameter("name");
22         String from=request.getParameter("from");
23         String to=request.getParameter("to");
24         String departure=request.getParameter("departure");
25         String time=request.getParameter("time");
26         String price=request.getParameter("price");
27
28         HashMap<String,String> flight=new HashMap<>();
29         flight.put("name", name);
30         flight.put("from", from);
31         flight.put("to", to);
32         flight.put("date", departure);
33         flight.put("time", time);
34         flight.put("price", price);
35
36         try {
37             MainTest dao=new MainTest();
38             HttpSession session=request.getSession();
39             if(dao.insertFlight(flight)) {
40                 session.setAttribute("message", "Flight Added Successfully");
41             }
42         }
43     }
44     else {
45         session.setAttribute("message", "Invalid Details");
46     }
47 } catch (ClassNotFoundException | SQLException e) {
48     // TODO Auto-generated catch block
49     System.out.print("error");
50     e.printStackTrace();
51 }
52 response.sendRedirect("AdminHome.jsp");
53
54 }
55
56 }

```

```
MainTest.java AdminLogin.java Conform.java DCardPay.java FlightList.java ForgotPasswo... InsertFligh... Logout.java × »9
1 package com.simplilearn.servlets;
2
3 import javax.servlet.annotation.WebServlet;
4 import java.io.IOException;
5
6 import javax.servlet.ServletException;
7 import javax.servlet.http.HttpServlet;
8 import javax.servlet.http.HttpServletRequest;
9 import javax.servlet.http.HttpServletResponse;
10 import javax.servlet.http.HttpSession;
11
12
13 @WebServlet("/Logout")
14 public class Logout extends HttpServlet {
15     private static final long serialVersionUID = 1L;
16     protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
17
18         HttpSession session=request.getSession();
19         session.setAttribute("user", null);
20         response.sendRedirect("HomePage.jsp");
21     }
22
23 }
```

```
AdminLogin.java Conform.java DCardPay.java FlightList.java ForgotPasswo... InsertFligh... Logout.java UserLogin.java × »10
1 package com.simplilearn.servlets;
2
3
4 import javax.servlet.annotation.WebServlet;
5 import java.io.IOException;
6 import java.sql.SQLException;
7 import java.util.HashMap;
8
9 import javax.servlet.ServletException;
10 import javax.servlet.http.HttpServlet;
11 import javax.servlet.http.HttpServletRequest;
12 import javax.servlet.http.HttpServletResponse;
13 import javax.servlet.http.HttpSession;
14
15 import com.simplilearn.db.MainTest;
16 @WebServlet("/UserLogin")
17 public class UserLogin extends HttpServlet {
18     private static final long serialVersionUID = 1L;
19     protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
20
21         String email=request.getParameter("email");
22         String password=request.getParameter("password");
23
24         try {
25             MainTest dao=new MainTest();
26             HashMap<String,String> user=dao.checkUser(email,password);
27             HttpSession session=request.getSession();
28             if(user!=null) {
29                 session.setAttribute("user", user);
30                 response.sendRedirect("HomePage.jsp");
31             }
32             else {
33                 session.setAttribute("message", "Invalid Details");
34                 response.sendRedirect("UserPage.jsp");
35             }
36         } catch (ClassNotFoundException | SQLException e) {
37             // TODO Auto-generated catch block
38             e.printStackTrace();
39         }
40
41     }
42 }
```

```

AdminLogin.java  DCardPay.java  FlightList.java  ForgotPasswo...  InsertFlight...  Logout.java  UserLogin.java  UserRegistra...  » 11
1  package com.simplilearn.servlets;
2
3  import javax.servlet.annotation.WebServlet;
4  import java.io.IOException;
5  import java.sql.SQLException;
6  import java.util.HashMap;
7
8  import javax.servlet.ServletException;
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 com.simplilearn.db.MainTest;
15
16 @WebServlet("/UserRegistration")
17 public class UserRegistration extends HttpServlet {
18     private static final long serialVersionUID = 1L;
19     protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
20         String email=request.getParameter("email");
21         String password=request.getParameter("password");
22         String name=request.getParameter("name");
23         String phno=request.getParameter("phno");
24         String adno=request.getParameter("adno");
25
26         HashMap<String,String> user=new HashMap<>();
27         user.put("email", email);
28         user.put("password", password);
29         user.put("name", name);
30         user.put("phno", phno);
31         user.put("adno", adno);
32
33         try {
34             MainTest dao=new MainTest();
35             boolean result=dao.insertUser(user);
36             HttpSession session=request.getSession();
37             if(result) {
38                 session.setAttribute("message", "User Added Successfully");
39             }
40             else {
41                 session.setAttribute("message", "Invalid Details");
42             }
43         } catch (ClassNotFoundException | SQLException e) {
44             // TODO Auto-generated catch block
45             e.printStackTrace();
46         }
47         response.sendRedirect("UserPage.jsp");
48     }
49
50 }
51

```

```

1 package org.simplilearn.frontEnd;
2
3 public class FlyAwayUtil {
4     public static String fixSqlFieldValue(String value) {
5         if (value == null) {
6             return null;
7         }
8         int length = value.length();
9         StringBuffer fixedValue = new StringBuffer((int) (length*1.1));
10        for(int i = 0 ; i < length ;i++) {
11            char c = value.charAt(i);
12            if ( c == '\'' ) {
13                fixedValue.append("''");
14            }else {
15                fixedValue.append(c);
16            }
17        }
18        return fixedValue.toString();
19    }
20
21    public static String encodeHtmlTag(String tag) {
22        if (tag==null)
23            return null;
24        int length = tag.length();
25        StringBuffer encodedTag = new StringBuffer(2 * length);
26        for(int i = 0 ; i < length;i++) {
27            char c = tag.charAt(i);
28            if(c=='<')
29                encodedTag.append("<");
30            else if(c=='>')
31                encodedTag.append(">");
32            else if(c=='&')
33                encodedTag.append("&");
34            else if(c=='"')
35                encodedTag.append(""");
36            else if(c==' ')
37                encodedTag.append(" ");
38            else
39                encodedTag.append(c);
40        }
41        return encodedTag.toString();
42    }
43 }

```

OUTPUT:

localhost:8080/flyaway/UserPage.jsp

FLYAWAY

User Login

Email:

Password:

BACK

[Forgot your password?](#)

[Create Account](#)

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localhost:8080/flyaway/UserRegistration.jsp

FLYAWAY

!.....user registration....!

Email :-

Password :-

Name :-

Phone No. :-

Aadhaar No. :-

BACK

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localhost:8080/flyaway/AdminPage.jsp

FLYAWAY

Admin Login

Email :-

Password :-

[Forgot Password](#)

[BACK](#)

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localhost:8080/flyaway/AdminHome.jsp

FLWAWAY

Insert New Flight Details

From :

To :

Departure :

Time :

Price :

[BACK](#)

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localhost:8080/flyaway/AdminHome.jsp

FLWAWAY

Insert New Flight Details

Name :-

From :-

To :-

Departure :-

Time :-

Price :-

BACK

Flight Added Successfully

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localhost:8080/flyaway/HomePage.jsp

FlyAway

[Admin Login](#)

Welcome uma

From :-

To :-

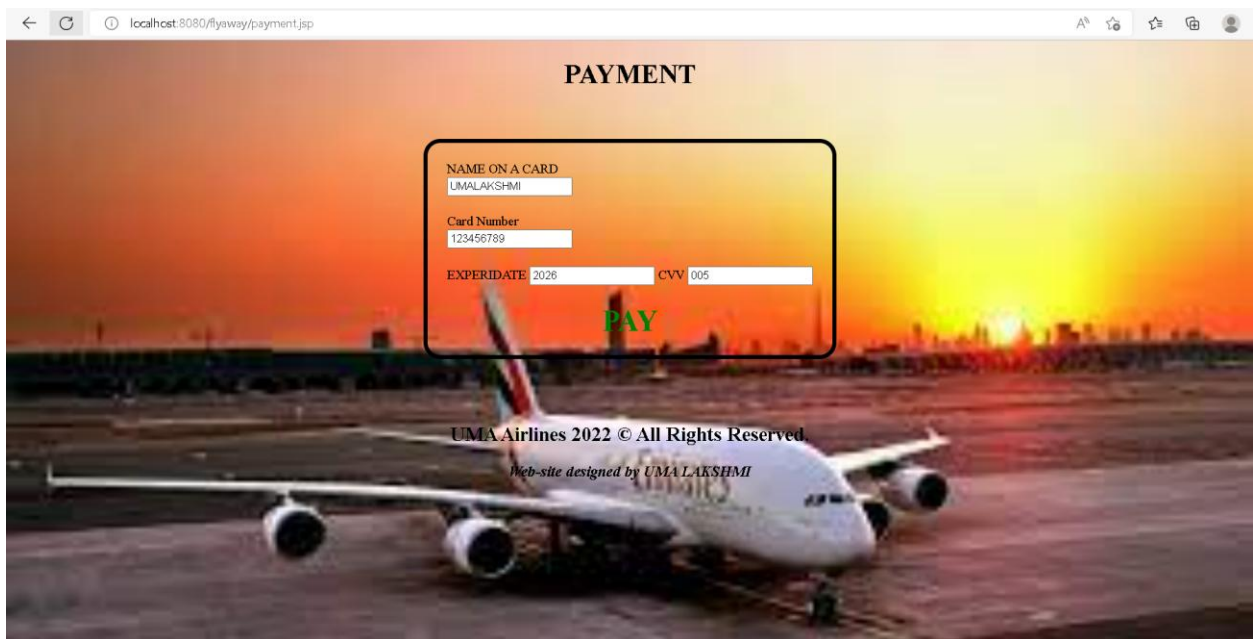
Departure :-

Travellers :-

Logout

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Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- abc
- flyaway**
 - admin
 - card
 - flights
 - user
 - Views
 - Stored Procedures
 - Functions
- javatraining
- javatrainingdb
- sys
- uma
- umadb

Administration Schemas

Information

Table: card

Columns:

name	varchar(250)
no	varchar(250)
exp	varchar(250)
cvv	varchar(250)

Query 1

```
1 use flyaway;
2 select * from card;
```

Limit to 1000 rows

Result Grid

	name	no	exp	cvv
▶	UNIALAKSHMI	123456789	2026	005

card 4 x

Output

#	Time	Action	Message	Duration / Fetch
3	09:26:44	use flyaway	0 row(s) affected	0.000 sec
4	09:26:44	select * from card LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
5	09:56:22	use flyaway	0 row(s) affected	0.000 sec
6	09:56:22	select * from admin LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
7	14:06:23	use flyaway	0 row(s) affected	0.172 sec
8	14:06:23	select * from card LIMIT 0, 1000	1 row(s) returned	0.047 sec / 0.000 sec

Read Only Context Help Snippets

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

abc

flyaway

Tables

admin

Columns

Indexes

Foreign Keys

Triggers

card

flights

user

Views

Stored Procedures

Functions

javatraining

javatrainingdb

sys

una

unadb

Administration Schemas

Information

Table: admin

Columns:

email varchar(250)

password varchar(250)

Query 1

```
1 use flyaway;
2 select * from admin;
```

Result Grid

email password

unakshma@gmail.com unak@123

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	09:22:48	use flyaway	0 row(s) affected	0.000 sec
2	09:22:48	select * from admin LIMIT 0, 1000	1 row(s) returned	0.032 sec / 0.000 sec
3	09:26:44	use flyaway	0 row(s) affected	0.000 sec
4	09:26:44	select * from card LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
5	09:56:22	use flyaway	0 row(s) affected	0.000 sec
6	09:56:22	select * from admin LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

abc

flyaway

Tables

admin

card

flights

user

Views

Stored Procedures

Functions

javatraining

javatrainingdb

sys

una

unadb

Administration Schemas

Information

Table: card

Columns:

name varchar(250)

no varchar(250)

exp varchar(250)

cvv varchar(250)

Query 1

```
1 use flyaway;
2 select * from flights;
```

Result Grid

name	from	to	date	time	price
IndiGo	DELHI	HYDERABAD	2022-08-16	09:00:00	5000
spicejet	DELHI	HYDERABAD	2022-08-16	10:57:00	690000
spicejet	DELHI	HYDERABAD	2022-08-16	10:57:00	690000
spicejet	DELHI	HYDERABAD	2022-08-16	10:57:00	690000

Output

Action Output

#	Time	Action	Message	Duration / Fetch
5	09:56:22	use flyaway	0 row(s) affected	0.000 sec
6	09:56:22	select * from admin LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
7	14:06:23	use flyaway	0 row(s) affected	0.172 sec
8	14:06:23	select * from card LIMIT 0, 1000	1 row(s) returned	0.047 sec / 0.000 sec
9	14:08:05	use flyaway	0 row(s) affected	0.000 sec
10	14:08:05	select * from flights LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

File Edit View Query Database Server Tools Scripting Help

Navigator

Filter objects

SCHEMAS

- abc
- flyaway
 - Tables
 - admin
 - card
 - flights
 - user
 - Views
 - Stored Procedures
 - Functions
- javatraining
 - javatrainingdb
 - sys
 - uma
 - umadb

Administration Schemas

Information

Table: user

Columns:

- email varchar(250)
- password varchar(250)
- name varchar(250)
- phno varchar(15)
- adno PK, varchar(12)

Object Info Session

Query 1

Limit to 1000 rows

```
1 use flyaway;
2 select * from user;
```

Result Grid

email	password	name	phno	adno
umalakshmi@gmail.com	uma1234	uma	9133425622	4356783498
uma@gmail.com	uma1234	uma	9505662233	667523456

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Form Editor

Field Types

Apply Context Help Snippets

user 6

Output

#	Time	Action	Message	Duration / Fetch
7	14:06:23	use flyaway	0 row(s) affected	0.172 sec
8	14:06:23	select * from card LIMIT 0, 1000	1 row(s) returned	0.047 sec / 0.000 sec
9	14:08:05	use flyaway	0 row(s) affected	0.000 sec
10	14:08:05	select * from flights LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
11	14:08:49	use flyaway	0 row(s) affected	0.047 sec
12	14:08:49	select * from user LIMIT 0, 1000	2 row(s) returned	0.032 sec / 0.000 sec