

workspace-spring-tool-suite-4-4.16.1.RELEASE - Copy - FlyAway/src/main/java/com/database/Dao.java - Spring Tool Suite 4

```
1 package com.database;
2
3 import java.sql.Connection;
4
5 public class Dao {
6     public Connection con = null;
7     public Statement st = null;
8
9     public Dao() throws ClassNotFoundException, SQLException{
10         Class.forName("com.mysql.cj.jdbc.Driver");
11         con=DriverManager.getConnection("jdbc:mysql://localhost:3306/admin","root","root");
12         System.out.println("connection established with database");
13         st=con.createStatement();
14     }
15
16     public void init() {
17         try {
18             Class.forName("com.mysql.cj.jdbc.Driver");
19             con = DriverManager.getConnection("jdbc:mysql://hostname:port/flyaway/", "root", "root");
20         } catch (ClassNotFoundException | SQLException e) {
21             e.printStackTrace();
22         }
23     }
24
25     public void void init() {
26         try {
27             Class.forName("com.mysql.cj.jdbc.Driver");
28             con = DriverManager.getConnection("jdbc:mysql://localhost:3306/admin","root","root");
29         } catch (ClassNotFoundException | SQLException e) {
30             e.printStackTrace();
31         }
32     }
33 }
34
35 public List<String> getAvailableFlights(String f, String t, String d) {
36
37     List<String> flights = new ArrayList<>();
38     String query = "SELECT * FROM flyaway.flights where fromf='"+ f + "' and tof='"+ t + "' and datef='"+ d
39             + "'";
40     try {
41         ResultSet rs = st.executeQuery(query);
42
43         while(rs.next()){
44             String[] flight = new String[3];
45             flight[0] = rs.getString("name");
46             flight[1] = rs.getString("timef");
47             flight[2] = rs.getString("price");
48             flights.add(flight);
49         }
50     } catch (SQLException e) {
51         e.printStackTrace();
52     }
53
54     return flights;
55 }
56
57
58 public String checkUsers(String email, String password) {
59
60     HashMap<String, String> user = null;
61     String query = "select * from user where email='"+ email + "' and password='"+ password + "'";
62     try {
63         ResultSet rs = st.executeQuery(query);
64         if (rs.next()) {
65             user = new HashMap<>();
66             user.put("name", rs.getString("name"));
67             user.put("email", rs.getString("email"));
68             user.put("phno", rs.getString("phno"));
69             user.put("adno", rs.getString("adno"));
70         }
71     } catch (SQLException e) {
72     }
73
74     return user;
75 }
76
77
78 public HashMap<String, String> checkUser(String email, String password) {
79
80     HashMap<String, String> user = null;
81     String query = "select * from user where email='"+ email + "' and password='"+ password + "'";
82     try {
83         ResultSet rs = st.executeQuery(query);
84         if (rs.next()) {
85             user = new HashMap<>();
86             user.put("name", rs.getString("name"));
87             user.put("email", rs.getString("email"));
88             user.put("phno", rs.getString("phno"));
89             user.put("adno", rs.getString("adno"));
90         }
91     } catch (SQLException e) {
92     }
93
94     return user;
95 }
```

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16     public void init() {
17         try {
18             Class.forName("com.mysql.cj.jdbc.Driver");
19             con = DriverManager.getConnection("jdbc:mysql://hostname:port/flyaway/", "root", "root");
20         } catch (ClassNotFoundException | SQLException e) {
21             e.printStackTrace();
22         }
23     }
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25     public void void init() {
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28             con = DriverManager.getConnection("jdbc:mysql://localhost:3306/admin","root","root");
29         } catch (ClassNotFoundException | SQLException e) {
30             e.printStackTrace();
31         }
32     }
33 }
34
35 public List<String> getAvailableFlights(String f, String t, String d) {
36
37     List<String> flights = new ArrayList<>();
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39             + "'";
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43         while(rs.next()){
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47             flight[2] = rs.getString("price");
48             flights.add(flight);
49         }
50     } catch (SQLException e) {
51         e.printStackTrace();
52     }
53
54     return flights;
55 }
56
57
58 public String checkUsers(String email, String password) {
59
60     HashMap<String, String> user = null;
61     String query = "select * from user where email='"+ email + "' and password='"+ password + "'";
62     try {
63         ResultSet rs = st.executeQuery(query);
64         if (rs.next()) {
65             user = new HashMap<>();
66             user.put("name", rs.getString("name"));
67             user.put("email", rs.getString("email"));
68             user.put("phno", rs.getString("phno"));
69             user.put("adno", rs.getString("adno"));
70         }
71     } catch (SQLException e) {
72     }
73
74     return user;
75 }
76
77
78 public HashMap<String, String> checkUser(String email, String password) {
79
80     HashMap<String, String> user = null;
81     String query = "select * from user where email='"+ email + "' and password='"+ password + "'";
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84         if (rs.next()) {
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86             user.put("name", rs.getString("name"));
87             user.put("email", rs.getString("email"));
88             user.put("phno", rs.getString("phno"));
89             user.put("adno", rs.getString("adno"));
90         }
91     } catch (SQLException e) {
92     }
93
94     return user;
95 }
```

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Project Explorer

- com.database
- Dao.java
- Dao

- com.servlets
- AdminLogin.java
 - AdminLogin
- FlightList.java
 - ForgotPassword.java
 - InsertFlight.java
 - Logout.java
 - UserLogin.java
 - UserRegistration.java
- org.simplelearn.workshop.util
 - StringUtil.java

- target/generated-sources/annotations
- Libraries
- JavaScript Resources
- Deployed Resources
- screenshots

src

- main
- java
- webapp
 - WEB-INF
 - AdminHome.jsp
 - AdminPage.jsp
 - BookFlight.jsp
 - FlightList.jsp
 - ForgotPassword.jsp
 - HomePage.jsp
 - UserPage.jsp
 - UserRegistration.jsp

- target
- pom.xml
- Hashset
- Hashup
- Hibernate

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Dao.java

```
71      }
72      return user;
73    } catch (SQLException e) {
74      e.printStackTrace();
75    }
76    return user;
77  }
78
79  public boolean insertUser(HashMap<String, String> user) {
80
81    String query = "INSERT INTO user (email, password, name, phno, adno) values('" + user.get("email") + "','" +
82                  + user.get("password") + "','" + user.get("name") + "','" + user.get("phno") + "','" + user.get("adno") +
83                  + "')";
84
85
86    try {
87      st.executeUpdate(query);
88      return true;
89    } catch (SQLException e) {
90      e.printStackTrace();
91    }
92    return false;
93  }
94
95  public boolean checkAdmin(String email, String password) {
96
97    try {
98      ResultSet rs = st
99                  .executeQuery("select * from admin where email='" + email + "' and password='" + password + "'");
100     if (rs.next())
101       return true;
102    } catch (SQLException e) {
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```

workspace-spring-tool-suite-4-4.16.1.RELEASE - Copy - FlyAway/src/main/java/com/database/Dao.java - Spring Tool Suite 4

```
100     return true;
101    } catch (SQLException e) {
102        e.printStackTrace();
103    }
104    return false;
105 }
106 }
107 public boolean changeAdminPassword(String email, String password) {
108 try {
109     ResultSet rs = st.executeQuery("select * from admin where email='"+email+"'");
110     if (!rs.next()) {
111         return false;
112     }
113     st.executeUpdate("update admin set password='"+password+"' where email='"+email+"'");
114     return true;
115 } catch (SQLException e) {
116     e.printStackTrace();
117 }
118 }
119 }
120 return false;
121 }
122 }
123 public boolean insertFlight(HashMap<String, String> flight) throws SQLException {
124 // PreparedStatement stmt=con.prepareStatement("INSERT INTO flyaway.flights"
125 // ('name','from', 'to', 'date', 'time', 'price') values(?, ?, ?, ?, ?, ?)");
126 // String sql="INSERT INTO flights ('name','from', 'to', 'date', 'time', 'price')"
127 // values('"+flight.get("name")+"','"+flight.get("from")+"','"+flight.get("to")+"','"+flight.get("date")+"','"+flight.get("time")+
128 String query = "INSERT INTO flights ('name', 'from', 'to', 'date', 'time', 'price') VALUES " + "("
129     + StringUtil.fixSqlFieldValue(flight.get("name")) + ", " + " "
130     + StringUtil.fixSqlFieldValue(flight.get("from")) + ", " + " "
131     + StringUtil.fixSqlFieldValue(flight.get("to")) + ", " + " "
132     + StringUtil.fixSqlFieldValue(flight.get("date")) + ", " + " "
133     + StringUtil.fixSqlFieldValue(flight.get("time")) + ", " + " "
134     + StringUtil.fixSqlFieldValue(flight.get("price")) + ")";
135
136 // String sql="INSERT INTO flyaway.flights ('name', 'from', 'to', 'date', 'time', 'price',
137 // 'timef', 'price') VALUES ('indigo', 'hyd', 'viz', '2021-04-08', '10:00',
138 // '2000')";
139 System.out.println(flight.get("date"));
140 System.out.println(flight.get("time"));
141 // String query="INSERT into flyaway.flights (name,from,to,date,time,price)
142 // values('indigo','hyd','viz','24-02-2022','10:30','2000')";
143 try {
144     st.execute(query);
145     return true;
146 } catch (SQLException e) {
147     System.out.print("error");
148     e.printStackTrace();
149 }
150 }
151 }
152 }
153 }
154 }
```

workspace-spring-tool-suite-4-4.16.1.RELEASE - Copy - FlyAway/src/main/java/com/database/Dao.java - Spring Tool Suite 4

```
124 // PreparedStatement stmt=con.prepareStatement("INSERT INTO flyaway.flights"
125 // ('name','from', 'to', 'date', 'time', 'price') values(?, ?, ?, ?, ?, ?)");
126 // String sql="INSERT INTO flights ('name','from', 'to', 'date', 'time', 'price')"
127 // values('"+flight.get("name")+"','"+flight.get("from")+"','"+flight.get("to")+"','"+flight.get("date")+"','"+flight.get("time")+
128 String query = "INSERT INTO flights ('name', 'from', 'to', 'date', 'time', 'price') VALUES " + "("
129     + StringUtil.fixSqlFieldValue(flight.get("name")) + ", " + " "
130     + StringUtil.fixSqlFieldValue(flight.get("from")) + ", " + " "
131     + StringUtil.fixSqlFieldValue(flight.get("to")) + ", " + " "
132     + StringUtil.fixSqlFieldValue(flight.get("date")) + ", " + " "
133     + StringUtil.fixSqlFieldValue(flight.get("time")) + ", " + " "
134     + StringUtil.fixSqlFieldValue(flight.get("price")) + ")";
135
136 // String sql="INSERT INTO flyaway.flights ('name', 'from', 'to', 'date', 'time', 'price',
137 // 'timef', 'price') VALUES ('indigo', 'hyd', 'viz', '2021-04-08', '10:00',
138 // '2000')";
139 System.out.println(flight.get("date"));
140 System.out.println(flight.get("time"));
141 // String query="INSERT into flyaway.flights (name,from,to,date,time,price)
142 // values('indigo','hyd','viz','24-02-2022','10:30','2000')";
143 try {
144     st.execute(query);
145     return true;
146 } catch (SQLException e) {
147     System.out.print("error");
148     e.printStackTrace();
149 }
150 }
151 }
152 }
153 }
154 }
```

workspace-spring-tool-suite-4-4.16.1.RELEASE - Copy - FlyAway/src/main/java/com/servlets/AdminLogin.java - Spring Tool Suite 4

```
File Edit Source Refactor Navigate Search Project Tomcat Run Window Help
```

Project Explorer

```
com.database
  DaoJava
    Dao
com.servlets
  AdminLogin.java
  FlightList.java
  ForgotPassword.java
  InsertFlight.java
  Logout.java
  UserLogin.java
  UserRegistration.java
  org.simpleteam.workshop.util
    StringUtil.java
target/generated-sources/annotations
Libraries
JavaScript Resources
Deployed Resources
screenshots
src
  main
    java
      AdminLogin.java
      BookFlight.java
      FlightList.java
      ForgotPassword.java
      HomePage.java
      LoginPage.java
      UserPage.java
      UserRegistration.java
  webapp
    WEB-INF
      AdminHome.jsp
      AdminPage.jsp
      BookFlight.jsp
      FlightList.jsp
      ForgotPassword.jsp
      HomePage.jsp
      LoginPage.jsp
      UserPage.jsp
      UserRegistration.jsp
target
pom.xml
Hashset
Hashup
hibernate
```

AdminLogin.java

```
package com.servlets;
import java.io.IOException;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import com.database.Dao;
import com.database.DaoException;
import com.servlets.AdminLogin;
import com.servlets.ForgotPassword;
import com.servlets.InsertFlight;
import com.servlets.Logout;
import com.servlets.UserLogin;
import com.servlets.UserRegistration;
import org.simpleteam.workshop.util.StringUtil;
@WebServlet("/AdminLogin")
public class AdminLogin extends HttpServlet {
    private static final long serialVersionUID = 1L;
    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
        String email=request.getParameter("email");
        String password=request.getParameter("password");
        try {
            Dao dao=new Dao();
            if(dao.checkAdmin(email,password)) {
                response.sendRedirect("AdminHome.jsp");
            }
            else {
                HttpSession session=request.getSession();
                session.setAttribute("message", "Invalid Details");
                response.sendRedirect("AdminPage.jsp");
            }
        } catch (ClassNotFoundException | SQLException e) {
            // TODO Auto-generated catch block
            e.printStackTrace();
        }
    }
}
```

Markers Properties Snippets Terminal Progress Search Call Hierarchy

Tomcat v9.0 Server at localhost (2) [Apache Tomcat] C:\Program Files\java\jdk1.8.0_321\bin\javaw.exe (18-Jan-2023, 11:23:55 pm)

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12:17 ENG IN 20-01-2023

workspace-spring-tool-suite-4-4.16.1.RELEASE - Copy - FlyAway/src/main/java/com/servlets/FlightList.java - Spring Tool Suite 4

```
File Edit Source Refactor Navigate Search Project Tomcat Run Window Help
```

Project Explorer

```
com.database
  DaoJava
    Dao
com.servlets
  AdminLogin.java
  AdminLogin
  FlightList.java
  ForgotPassword.java
  InsertFlight.java
  Logout.java
  UserLogin.java
  UserRegistration.java
  org.simpleteam.workshop.util
    StringUtil.java
target/generated-sources/annotations
Libraries
JavaScript Resources
Deployed Resources
screenshots
src
  main
    java
      AdminLogin.java
      BookFlight.java
      FlightList.java
      ForgotPassword.java
      HomePage.java
      LoginPage.java
      UserPage.java
      UserRegistration.java
  webapp
    WEB-INF
      AdminHome.jsp
      AdminPage.jsp
      BookFlight.jsp
      FlightList.jsp
      ForgotPassword.jsp
      HomePage.jsp
      LoginPage.jsp
      UserPage.jsp
      UserRegistration.jsp
target
pom.xml
Hashset
Hashup
hibernate
```

FlightList.java

```
package com.servlets;
import java.io.IOException;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import com.database.Dao;
import com.database.DaoException;
import com.servlets.AdminLogin;
import com.servlets.BookFlight;
import com.servlets.ForgotPassword;
import com.servlets.InsertFlight;
import com.servlets.Logout;
import com.servlets.UserLogin;
import com.servlets.UserRegistration;
import org.simpleteam.workshop.util.StringUtil;
@WebServlet("/FlightList")
public class FlightList extends HttpServlet {
    private static final long serialVersionUID = 1L;
    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
        String from=request.getParameter("from");
        String to=request.getParameter("to");
        String departure=request.getParameter("departure");
        try {
            Dao dao = new Dao();
            List<String> flights=dao.getAvailableFlights(from, to, departure);
            HttpSession session=request.getSession();
            session.setAttribute("flights", flights);
        } catch (ClassNotFoundException | SQLException e) {
            // TODO Auto-generated catch block
            e.printStackTrace();
        }
        response.sendRedirect("FlightList.jsp");
    }
}
```

Markers Properties Snippets Terminal Progress Search Call Hierarchy

Tomcat v9.0 Server at localhost (2) [Apache Tomcat] C:\Program Files\java\jdk1.8.0_321\bin\javaw.exe (18-Jan-2023, 11:23:55 pm)

Writable Smart Insert 1:1:0

12:17 ENG IN 20-01-2023

workspace-spring-tool-suite-4-4.16.1.RELEASE - Copy - FlyAway/src/main/java/com/servlets/ForgotPassword.java - Spring Tool Suite 4

```
File Edit Source Refactor Navigate Search Project Tomcat Run Window Help
```

Project Explorer

```
1 package com.servlets;
2
3 import javax.servlet.annotation.WebServlet;
4 @WebServlet("/ForgotPassword")
5 public class ForgotPassword extends HttpServlet {
6     private static final long serialVersionUID = 1L;
7     protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
8         String email=request.getParameter("email");
9         String password=request.getParameter("password");
10        try {
11            Dao dao=new Dao();
12            HttpSession session=request.getSession();
13            if(dao.changeAdminPassword(email,password)) {
14                session.setAttribute("message", "Password Changed Successfully");
15            }
16            else {
17                session.setAttribute("message", "Invalid Details");
18            }
19        } catch (ClassNotFoundException | SQLException e) {
20            // TODO Auto-generated catch block
21            e.printStackTrace();
22        }
23        response.sendRedirect("AdminPage.jsp");
24    }
25 }
```

Markers Properties Snippets Terminal Console Progress Search Call Hierarchy

Tomcat v9.0 Server at localhost (2) [Apache Tomcat] C:\Program Files\Java\jdk1.8.0_321\bin\javaw.exe (18-Jan-2023, 11:23:55 pm)

Writable Smart Insert 1:1:0

72°F Mostly sunny

ENG IN 12:18 20-01-2023

workspace-spring-tool-suite-4-4.16.1.RELEASE - Copy - FlyAway/src/main/java/com/servlets/InsertFlight.java - Spring Tool Suite 4

```
File Edit Source Refactor Navigate Search Project Tomcat Run Window Help
```

Project Explorer

```
1 package com.servlets;
2
3 import javax.servlet.annotation.WebServlet;□
4 @WebServlet("/InsertFlight")
5 public class InsertFlight extends HttpServlet {
6     private static final long serialVersionUID = 1L;
7     protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
8         String name=request.getParameter("name");
9         String from=request.getParameter("from");
10        String to=request.getParameter("to");
11        String departure=request.getParameter("departure");
12        String time=request.getParameter("time");
13        String price=request.getParameter("price");
14
15        HashMap<String,String> flight=new HashMap<>();
16        flight.put("Name", name);
17        flight.put("from", from);
18        flight.put("to", to);
19        flight.put("Date", departure);
20        flight.put("Time", time);
21        flight.put("Price", price);
22
23        try {
24            Dao dao=new Dao();
25            HttpSession session=request.getSession();
26            if(dao.insertFlight(flight)) {
27                session.setAttribute("message", "Flight Added Successfully");
28            }
29            else {
30                session.setAttribute("message", "Invalid Details");
31            }
32        }
```

Markers Properties Snippets Terminal Console Progress Search Call Hierarchy

Tomcat v9.0 Server at localhost (2) [Apache Tomcat] C:\Program Files\Java\jdk1.8.0_321\bin\javaw.exe (18-Jan-2023, 11:23:55 pm)

Writable Smart Insert 1:1:0

72°F Mostly sunny

ENG IN 12:18 20-01-2023

workspace-spring-tool-suite-4-4.16.1.RELEASE - Copy - FlyAway/src/main/java/com/servlets/InsertFlight.java - Spring Tool Suite 4

```
File Edit Source Refactor Navigate Search Project Tomcat Run Window Help
```

Project Explorer

```
com.database
  Dao.java
  Dao
com.servlets
  AdminLogin.java
  AdminLogin
  FlightList.java
  ForgotPassword.java
  InsertFlight.java
  Logout.java
  UserLogin.java
  UserRegistration.java
  org.simpleam.workshop.util
    StringUtil.java
target/generated-sources/annotations
Libraries
JavaScript Resources
Deployed Resources
screenshots
src
  main
    java
    webapp
      WEB-INF
        AdminHome.jsp
        AdminPage.jsp
        BookFlight.jsp
        FlightList.jsp
        ForgotPassword.jsp
        HomePage.jsp
        UserPage.jsp
        UserRegistration.jsp
  target
    pom.xml
    Hashset
    Hashup
    hibernate
```

InsertFlight.java

```
String from=request.getParameter("from");
String to=request.getParameter("to");
String departure=request.getParameter("departure");
String time=request.getParameter("time");
String price=request.getParameter("price");

HashMap<String, String> flight=new HashMap<>();
flight.put("name", name);
flight.put("from", from);
flight.put("to", to);
flight.put("date", departure);
flight.put("time", time);
flight.put("price", price);

try {
  Dao dao=new Dao();
  HttpSession session=request.getSession();
  if(dao.insertFlight(flight)) {
    session.setAttribute("message", "Flight Added Successfully");
  } else {
    session.setAttribute("message", "Invalid Details");
  }
} catch (ClassNotFoundException | SQLException e) {
  // TODO Auto-generated catch block
  System.out.print("error");
  e.printStackTrace();
}
response.sendRedirect("AdminHome.jsp");
```

Markers Properties Snippets Terminal Console Progress Search Call Hierarchy

Tomcat v9.0 Server at localhost (2) [Apache Tomcat] C:\Program Files\Java\jdk1.8.0_321\bin\javaw.exe (18-Jan-2023, 11:23:55 pm)

Writable Smart Insert 1:1:0

72°F Mostly sunny

ENG IN 12:18 20-01-2023

workspace-spring-tool-suite-4-4.16.1.RELEASE - Copy - FlyAway/src/main/java/com/servlets/Logout.java - Spring Tool Suite 4

```
File Edit Source Refactor Navigate Search Project Tomcat Run Window Help
```

Project Explorer

```
com.database
  Dao.java
  Dao
com.servlets
  AdminLogin.java
  AdminLogin
  FlightList.java
  ForgotPassword.java
  InsertFlight.java
  Logout.java
  UserLogin.java
  UserRegistration.java
  org.simpleam.workshop.util
    StringUtil.java
target/generated-sources/annotations
Libraries
JavaScript Resources
Deployed Resources
screenshots
src
  main
    java
    webapp
      WEB-INF
        AdminHome.jsp
        AdminPage.jsp
        BookFlight.jsp
        FlightList.jsp
        ForgotPassword.jsp
        HomePage.jsp
        UserPage.jsp
        UserRegistration.jsp
  target
    pom.xml
    Hashset
    Hashup
    hibernate
```

Logout.java

```
package com.servlets;
import javax.servlet.annotation.WebServlet;
@WebServlet("/Logout")
public class Logout extends HttpServlet {
  private static final long serialVersionUID = 1L;
protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
  HttpSession session=request.getSession();
  session.setAttribute("user", null);
  response.sendRedirect("HomePage.jsp");
}
}
```

Markers Properties Snippets Terminal Console Progress Search Call Hierarchy

Tomcat v9.0 Server at localhost (2) [Apache Tomcat] C:\Program Files\Java\jdk1.8.0_321\bin\javaw.exe (18-Jan-2023, 11:23:55 pm)

Writable Smart Insert 1:1:0

72°F Mostly sunny

ENG IN 12:19 20-01-2023

workspace-spring-tool-suite-4-4.16.1.RELEASE - Copy - FlyAway/src/main/java/com/servlets/UserLogin.java - Spring Tool Suite 4

```
File Edit Source Refactor Navigate Search Project Tomcat Run Window Help
```

Project Explorer

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

Markers Properties Snippets Terminal Progress Search Call Hierarchy

Tomcat v9.0 Server at localhost (2) [Apache Tomcat] C:\Program Files\Java\jdk1.8.0_321\bin\javaw.exe (18-Jan-2023, 11:23:55 pm)

Writable Smart Insert 1:1:0

72°F Mostly sunny ENG IN 12:19 20-01-2023

workspace-spring-tool-suite-4-4.16.1.RELEASE - Copy - FlyAway/src/main/java/com/servlets/UserRegistration.java - Spring Tool Suite 4

```
File Edit Source Refactor Navigate Search Project Tomcat Run Window Help
```

Project Explorer

```
1 package com.servlets;
2
3 import javax.servlet.annotation.WebServlet;
4 @WebServlet("/UserRegistration")
5 public class UserRegistration extends HttpServlet {
6     private static final long serialVersionUID = 1L;
7     protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
8
9         String email=request.getParameter("email");
10        String password=request.getParameter("password");
11        String name=request.getParameter("name");
12        String phno=request.getParameter("phno");
13        String adno=request.getParameter("adno");
14
15        HashMap<String,String> user=new HashMap<>();
16        user.put("email", email);
17        user.put("password", password);
18        user.put("name", name);
19        user.put("phno", phno);
20        user.put("adno", adno);
21
22        try {
23            Dao dao=new Dao();
24            boolean result=dao.insertUser(user);
25            HttpSession session=request.getSession();
26            if(result) {
27                session.setAttribute("message", "User Added Successfully");
28            }
29            else {
30                session.setAttribute("message", "Invalid Details");
31            }
32        } catch (ClassNotFoundException | SQLException e) {
33            // TODO Auto-generated catch block
34            e.printStackTrace();
35        }
36        response.sendRedirect("UserPage.jsp");
37    }
38
39
40
41
42
43
44
45
46
47
48
49}
```

Markers Properties Snippets Terminal Progress Search Call Hierarchy

Tomcat v9.0 Server at localhost (2) [Apache Tomcat] C:\Program Files\Java\jdk1.8.0_321\bin\javaw.exe (18-Jan-2023, 11:23:55 pm)

Writable Smart Insert 1:1:0

72°F Mostly sunny ENG IN 12:19 20-01-2023

workspace-spring-tool-suite-4-4.16.1.RELEASE - Copy - FlyAway/src/main/java/org/simplilearn/workshop/util/StringUtil.java - Spring Tool Suite 4

```
File Edit Source Refactor Navigate Search Project Tomcat Run Window Help
```

Project Explorer

```
com.database
  Dao.java
  Dao
com.servlets
  AdminLogin.java
  FlightList.java
  ForgotPassword.java
  InsertFlight.java
  Logout.java
  UserLogin.java
  UserRegistration.java
org.simplilearn.workshop.util
  StringUtil.java
```

target/generated-sources/annotations
Libraries
JavaScript Resources
Deployed Resources
screenshots
src
 main
 java
 webapp
 WEB-INF
 AdminHome.jsp
 AdminPage.jsp
 BookFlight.jsp
 FlightList.jsp
 ForgotPassword.jsp
 HomePage.jsp
 LoginPage.jsp
 UserRegistration.jsp

pom.xml
Hashset
Hashup
hibernate

StringUtil.java

```
1 package org.simplilearn.workshop.util;
2
3 public class StringUtil {
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("&amp;");
34            else if(c=='"')
35                encodedTag.append(""");
36            else if(c=='\'')
37                encodedTag.append(""");
```

Markers Properties Snippets Terminal Console Progress Search Call Hierarchy

Tomcat v9.0 Server at localhost (2) [Apache Tomcat] C:\Program Files\Java\jdk1.8.0_321\bin\javaw.exe (18-Jan-2023, 11:23:55 pm)

Writable Smart Insert 1:1:0

72°F Mostly sunny

ENG IN 12:23 20-01-2023

workspace-spring-tool-suite-4-4.16.1.RELEASE - Copy - FlyAway/src/main/java/org/simplilearn/workshop/util/StringUtil.java - Spring Tool Suite 4

```
File Edit Source Refactor Navigate Search Project Tomcat Run Window Help
```

Project Explorer

```
com.database
  Dao.java
  Dao
com.servlets
  AdminLogin.java
  FlightList.java
  ForgotPassword.java
  InsertFlight.java
  Logout.java
  UserLogin.java
  UserRegistration.java
org.simplilearn.workshop.util
  StringUtil.java
```

target/generated-sources/annotations
Libraries
JavaScript Resources
Deployed Resources
screenshots
src
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 java
 webapp
 WEB-INF
 AdminHome.jsp
 AdminPage.jsp
 BookFlight.jsp
 FlightList.jsp
 ForgotPassword.jsp
 HomePage.jsp
 LoginPage.jsp
 UserRegistration.jsp

pom.xml
Hashset
Hashup
hibernate

StringUtil.java

```
1 package org.simplilearn.workshop.util;
2
3 public class StringUtil {
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("&amp;");
34            else if(c=='"')
35                encodedTag.append(""");
36            else if(c=='\'')
37                encodedTag.append(""");
```

Markers Properties Snippets Terminal Console Progress Search Call Hierarchy

Tomcat v9.0 Server at localhost (2) [Apache Tomcat] C:\Program Files\Java\jdk1.8.0_321\bin\javaw.exe (18-Jan-2023, 11:23:55 pm)

Writable Smart Insert 1:1:0

72°F Mostly sunny

ENG IN 12:23 20-01-2023

workspace-spring-tool-suite-4-4.16.1.RELEASE - Copy - FlyAway/src/main/webapp/AdminHome.jsp - Spring Tool Suite 4

```
1 <%@ page language="java" contentType="text/html; charset=ISO-8859-1"%>
2 <!DOCTYPE html>
3 <html>
4 <head>
5     <meta charset="ISO-8859-1">
6     <title>Admin Home</title>
7     <style>
8         body { background-color: #99ccff; }
9         p { color: #fff; }
10    </style>
11   </head>
12  <body>
13    <a href="HomePage.jsp" style="background-color:orange;color:black;text-decoration:none ;font-size:35px;font-weight:bold;">FlyAway</a>
14    <br>
15    <center>
16      <h1 style="background-color: orange;width: 400px">Insert New Flight Details</h1>
17      <div style="background-color: #ffff99; border: 3px solid black; width: 25%; border-radius: 20px; padding: 20px" align="center">
18          <form action="InsertFlight" method="post">
19              <label for="name">Name :</label> <input type="text" name="name" id="name" /><br><br>
20              <label for="from">From :</label> <input type="text" name="from" id="from" /><br><br>
21              <label for="to">To :</label> <input type="text" name="to" id="to" /><br><br>
22              <label for="departure">Departure :</label> <input type="date" name="departure" id="departure" /><br><br>
23              <label for="time">Time :</label> <input type="time" name="time" id="time" /><br><br>
24              <label for="price">Price :</label> <input type="text" name="price" id="price" /><br><br>
25              <input type="submit" value="Submit" /> <input type="reset" />
26          </form>
27      </div>
28      <center>
29          String message=(String)session.getAttribute("message");
30          if(message!=null) {
31              <p style="color:silver;"><%=message %></p>
32          }
33          session.setAttribute("message", null);
34      </center>
35  </body>
36 </html>
```

72°F Mostly sunny

workspace-spring-tool-suite-4-4.16.1.RELEASE - Copy - FlyAway/src/main/webapp/AdminPage.jsp - Spring Tool Suite 4

```
1 <%@ page language="java" contentType="text/html; charset=ISO-8859-1"%>
2 <!DOCTYPE html>
3 <html>
4 <head>
5     <meta charset="ISO-8859-1">
6     <title>Admin Page</title>
7     <style>
8         body { background-color: #99ccff; }
9         p { color: #fff; }
10    </style>
11   </head>
12  <body>
13    <a href="HomePage.jsp" style="background-color:orange;color:black;text-decoration:none ;font-size:35px;font-weight:bold;">FlyAway</a>
14    <br>
15    <center>
16      <h2 style="background-color: orange; width: 160px">Admin Login</h2>
17      <div style="background-color: #ffff99; border: 3px solid black; width: 25%; border-radius: 20px; padding: 20px" align="center">
18          <form action="AdminLogin" method="post">
19              <label for="email">Email :</label> <input type="email" name="email" id="email" /><br><br>
20              <label for="password">Password :</label> <input type="password" name="password" id="pass" /><br><br>
21              <input type="submit" value="Submit" /> <input type="reset" />
22          </form>
23      </div>
24      <center>
25          <a href="ForgotPassword.jsp" style="font-size:25;color:red;">Forgot Password</a>
26      </center>
27  </body>
28  <center>
29      String message=(String)session.getAttribute("message");
30      if(message!=null) {
31          <p style="color:silver;"><%=message %></p>
32      }
33      session.setAttribute("message", null);
34  </center>
35 </body>
36 </html>
```

72°F Mostly sunny

workspace-spring-tool-suite-4-4.16.1.RELEASE - Copy - FlyAway/src/main/webapp/FlightList.jsp - Spring Tool Suite 4

File Edit Source Refactor Navigate Search Project Tomcat Run Window Help

Quick Access

Project Explorer

- com.database
- Dao.java
- Dao
- com.servlets
 - AdminLogin.java
 - AdminLogin
 - FlightList.java
 - ForgotPassword.java
 - InsertFlight.java
 - Login.java
 - UserLogin.java
 - UserRegistration.java
- org.springframework.samples.workshop.util
- StringUtil.java
- target/generated-sources/annotations
- Libraries
- JavaScript Resources
- Deployed Resources
- screenshots
- src
 - main
 - java
 - webapp
 - WEB-INF
 - AdminHome.jsp
 - AdminPage.jsp
 - BookFlight.jsp
 - FlightList.jsp
 - ForgotPassword.jsp
 - HomePage.jsp
 - UserPage.jsp
 - UserRegistration.jsp
 - target
 - pom.xml
 - Hashset
 - Hashup
 - hibernate

workspace-spring-tool-suite-4-4.16.1.RELEASE - Copy - FlyAway/src/main/webapp/FlightListJsp - Spring Tool Suite 4

```
File Edit Source Refactor Navigate Search Project Tomcat Run Window Help
```

Project Explorer

- com.database
- Dao.java
- Dao
- com.servlets
- AdminLogin.java
- AdminLogin
- FlightList.java
- ForgotPassword.java
- InsertFlight.java
- Logout.java
- UserLogin.java
- UserRegistration.java
- org.simplelean.workshop.util
- StringUtil.java
- target/generated-sources/annotations
- Libraries
- JavaScript Resources
- Deployed Resources
- screenshots
- src
- main
- java
- webapp
- WEB-INF
- AdminHome.jsp
- AdminPage.jsp
- BookFlight.jsp
- FlightList.jsp
- ForgotPassword.jsp
- HomePage.jsp
- UserPage.jsp
- UserRegistration.jsp

html/body/jspscriptlet/#text

```
20     List<String[]> flights=(List<String[]>)session.getAttribute("flights");
21     if(flights!=null){
22         %>
23         <h1>Available Flights</h1>
24         <center>
25             <table border="1">
26                 <tr>
27                     <th>Name</th>
28                     <th>Time</th>
29                     <th>Price</th>
30                 </tr>
31                 <%for(String[] flight:flights){%>
32                     <tr>
33                         <td><%=flight[0]></td>
34                         <td><%=flight[1]></td>
35                         <td><%=flight[2]></td>
36                     </tr>
37                 <%}>
38             </table>
39         </center><a href=BookFlight.jsp>Book Now</a> </center>
40         <%
41         else{
42             <h1>There are no available flights</h1>
43         }
44     %>
45     </body>
46 </html>
```

Writable Smart Insert 59:6:986

72°F Mostly sunny ENG IN 12:27 20-01-2023

workspace-spring-tool-suite-4-4.16.1.RELEASE - Copy - FlyAway/src/main/webapp/ForgotPassword.jsp - Spring Tool Suite 4

```
File Edit Source Refactor Navigate Search Project Tomcat Run Window Help
```

Project Explorer

- com.database
- Dao.java
- Dao
- com.servlets
- AdminLogin.java
- AdminLogin
- FlightList.java
- ForgotPassword.java
- InsertFlight.java
- Logout.java
- UserLogin.java
- UserRegistration.java
- org.simplelean.workshop.util
- StringUtil.java
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- java
- webapp
- WEB-INF
- AdminHome.jsp
- AdminPage.jsp
- BookFlight.jsp
- FlightList.jsp
- ForgotPassword.jsp
- HomePage.jsp
- UserPage.jsp
- UserRegistration.jsp

jsp.directive.page

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
<style>
    body { background-color: #99ccff; }
    p { color: #fff; }
</style>
<body>
<hr>
<a href=HomePage.jsp style="background-color:orange;color:black;text-decoration:none ;font-size:35px;font-weight:bold;">FlyAway</a>
<br>
<center>
<div style="background-color:#ffff99; border:3px solid black; width:25%; border-radius:20px; padding:20px" align="center">
<form action=ForgotPassword method=post>
    <label for=email>Email :</label> <input type="email" name=email id=email /><br><br>
    <label for=pass>New Password :</label> <input type="password" name=password id=pass /><br><br>
    <input type=submit value=submit /> <input type=reset />
</form>
</div>
</center>
</body>
</html>
```

Writable Smart Insert 1:1:0

72°F Mostly sunny ENG IN 12:28 20-01-2023

The screenshot shows the Eclipse IDE interface with the following details:

- Project Explorer View:** Shows the project structure for "FlyAway". It includes Java resources like com.database, com.servicelists, org.simpleteamwork.util, and target/generated-sources/annotations; JavaScript Resources; and Deployed Resources.
- Code Editor View:** Displays the content of the file "HomePage.jsp". The code is written in JSP and includes Java scriptlets, JSTL tags, and CSS styles.
- Bottom Status Bar:** Shows the URL "html/body/jspscriptlet/#text", file status ("Writable"), and a timestamp "23:35:518".
- System Tray:** Shows icons for battery level (72%), weather (Mostly sunny), and system notifications.

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"%>
<%@ page import="java.util.*" %>
<!DOCTYPE html>
<html>
<head>
    <meta charset="ISO-8859-1">
    <title>FlyAway</title>
    <style>
        body { background-color: #99ccff; }
        p { color: #fff; }
    </style>
</head>
<body>
<div style="background-color: orange; width: 120px;">
    <h1 align="center">FlyAway</h1>
</div>
<div align="center">
    <a href="AdminPage.jsp">Admin Login</a>
    <br>
    <p>Welcome <#=user.get("name") &gt;</p>
    <a href="Logout">Logout</a>
<br>
    <div align="center">
        <a href="UserPage.jsp">User Login</a>
    </div>
<br>
<hr><br>
<div style="background-color:#ffff99; border:5px solid black; width:25%; border-radius:20px; padding:20px" align="center">
    <form action="FlightList" method="post">
        <label for="from">From :</label> <input type="text" name="from id:from"/><br><br>
        <label for="to">To :</label> <input type="text" name="to id:to"/><br><br>
    </form>
</div>

```

The screenshot shows the Eclipse IDE interface with the following details:

- Project Explorer:** Displays the project structure for "workspace-spring-tool-suite-4-4.16.1.RELEASE - Copy". The "src/main/java" folder contains several Java files: Adminstrative-Portal, Bookingmanagementsystem, Customermanagementsystem [boot] [devtools], Datastructure, demo [boot], Employeemanagementsystem [boot], Exceptionhandling, Filehandling, FlyAway, and FlyAway Deployment Descriptor. The "src/main/resources" folder contains configuration files like application.properties, logback.xml, and persistence.xml.
- Code Editor:** The main editor window displays the content of "FlightList.jsp". The code is written in JSP and includes Java scriptlets and JSTL tags. It features a search bar at the top and syntax highlighting for Java and XML.
- Toolbars:** Standard Eclipse toolbars for File, Edit, Source, Refactor, Navigate, Search, Project, Tomcat, Run, Window, Help, and Quick Access are visible along the top.
- Bottom Status Bar:** Shows the current file path as "html/body/jspscriptlet/#text", the status as "Writable", "Smart Insert" checked, the time as "23:35:518", and system icons for battery, network, and date/time.

workspace-spring-tool-suite-4-4.16.1.RELEASE - Copy - FlyAway/src/main/webapp/UserPage.jsp - Spring Tool Suite 4

File Edit Source Refactor Navigate Search Project Tomcat Run Window Help

Project Explorer

```
1 <%@ page language="java" contentType="text/html; charset=ISO-8859-1"%>
2 <!DOCTYPE html>
3 <html>
4     <head>
5         <meta charset="ISO-8859-1">
6         <title>Insert title here</title>
7         <style>
8             body { background-color: #99ccff; }
9             p { color: #fff; }
10            </style>
11        </head>
12        <body>
13            <a href="HomePage.jsp" style="background-color:orange;color:black;text-decoration:none ;font-size:35px;font-weight:bold;">FlyAway</a>
14            <br>
15            <center>
16                <h2 style="background-color: orange; width: 150px">User Login</h2>
17                <div style="background-color: #ffff99; border:2px solid black; width:25%; border-radius:20px; padding:20px" align="center">
18                    <form action="UserLogin" method="post" >
19                        <table>
20                            <tr>
21                                <td><label for="email">Email</label><br></td>
22                                <td><input type="email" name="email" id="email" /></td>
23                            </tr>
24                            <tr>
25                                <td><label for="pass">Password</label><br></td>
26                                <td><input type="password" name="password" id="pass" /></td>
27                            </tr>
28                            <tr>
29                                <td><input type="submit" value="submit" /></td>
30                                <td><input type="reset" /></td>
31                            </tr>
32                        </table>
33                    </form>
34                </div>
35            </center>
36            <br><br>
37            <h4><a href="UserRegistration.jsp" style="font-size:25;color:red;">Create Account</a></h4>
38        <br>
39    </body>
40 </html>
```

Writable Smart Insert 1:1:0

72°F Mostly sunny ENG IN 12:28 20-01-2023

workspace-spring-tool-suite-4-4.16.1.RELEASE - Copy - FlyAway/src/main/webapp/UserPage.jsp - Spring Tool Suite 4

```

11 </style>
12 </head>
13 <body >
14 <hr>
15 <a href="HomePage.jsp" style="background-color:orange;color:black;text-decoration:none ;font-size:35px;font-weight:bold;">FlyAway</a>
16 <br><br>
17 <center>
18 <h2 style="background-color: orange; width: 150px">User Login</h2>
19 <div style="background-color:#ffff99; border:2px solid black; width:25%; border-radius:20px; padding:20px" align="center">
20 <form action="UserLogin" method="post" >
21 <table>
22 <tr>
23 <td> <label for="email">Email</label><br></td>
24 <td> <input type="email" name="email" id="email" /></td>
25 </tr>
26 <tr>
27 <td> <label for="pass">Password</label><br></td>
28 <td> <input type="password" name="password" id="pass" /></td>
29 </tr>
30 <tr>
31 <td> <br>
32 <td> <input type="submit" value="submit" /></td>
33 <td> <input type="reset" /></td>
34 </tr>
35 </table>
36 </form>
37 </div>
38 </center>
39 <hr>
40 <hr>
41 <div>
42 <h4><a href="UserRegistration.jsp" style="font-size:25;color:red;">Create Account</a></h4>
43 <hr>
44 String message=(String)session.getAttribute("message");
45 if(message!=null) {
46 &gt;
47 <p style="color:silver;"><%=message %></p>
48 <hr>
49 session.setAttribute("message", null);
50 }
51 </div>
52 </body>
53 </html>

```

Writable | Smart Insert | 1:1:0

72°F Mostly sunny ENG IN 12:28 20-01-2023

workspace-spring-tool-suite-4-4.16.1.RELEASE - Copy - FlyAway/src/main/webapp/UserRegistration.jsp - Spring Tool Suite 4

```

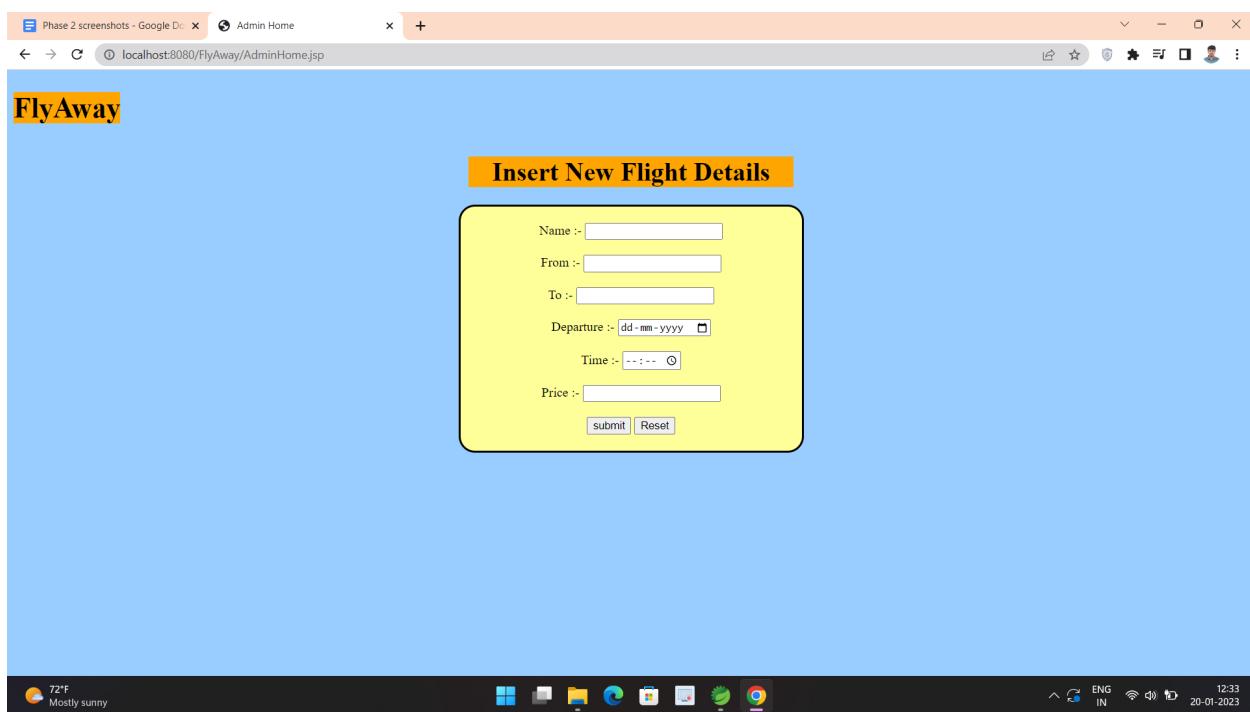
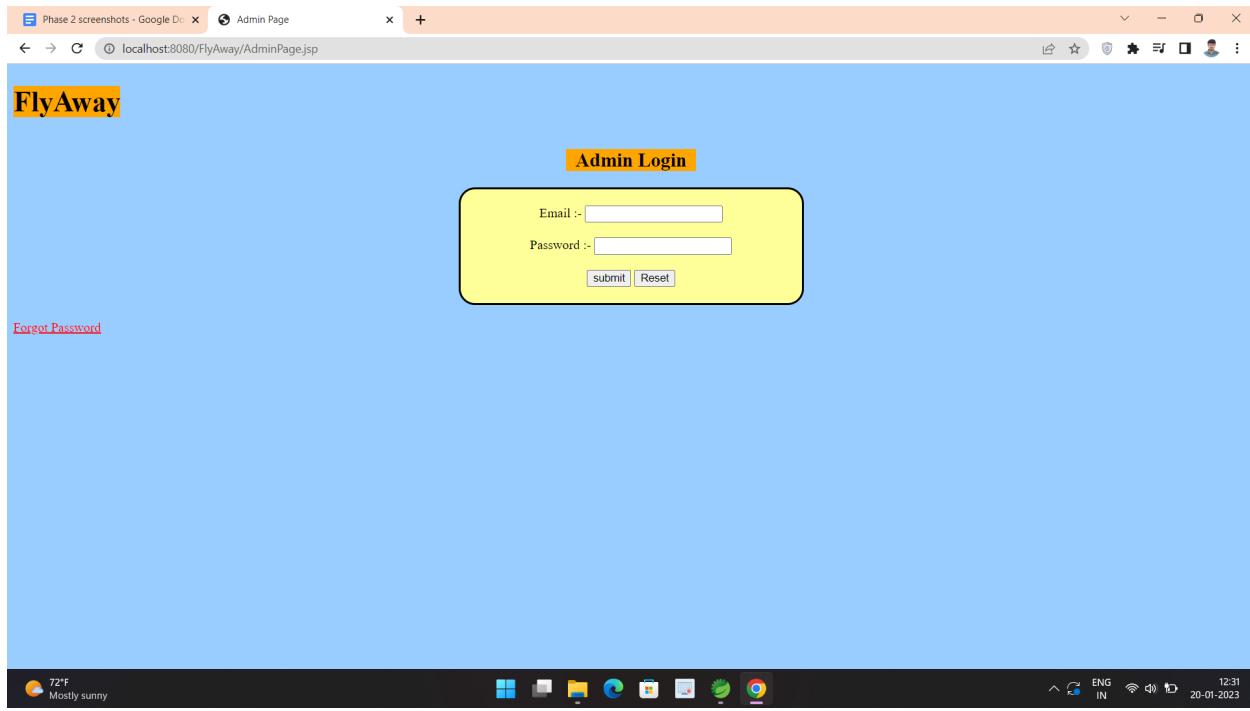
1 <%@ page language="Java" contentType="text/html; charset=ISO-8859-1" %>
2 <!DOCTYPE html>
3 <html>
4 <head>
5 <meta charset="ISO-8859-1">
6 <title>Insert title here</title>
7 <style>
8   body { background-color: #99ccff; }
9   p { color: #fff; }
10 </style>
11 <body >
12 <hr>
13 <a href="HomePage.jsp" style="background-color:orange;color:black;text-decoration:none ;font-size:35px;font-weight:bold;">FlyAway</a>
14 <br><br>
15 <center>
16 <div style="background-color:#ffff99; border:3px solid black; width:25%; border-radius:20px; padding:20px" align="center">
17 <form action="UserRegistration" method="post" >
18 <label for="email">Email :</label> <input type="email" name="email" id="email" /><br><br>
19 <label for="pass">Password :</label> <input type="password" name="password" id="pass" /><br><br>
20 <label for="name">Name :</label> <input type="text" name="name" id="name" /><br><br>
21 <label for="phno">Phone No. :</label> <input type="text" name="phno" id="phno" /><br><br>
22 <label for="adno">Aadhar No. :</label> <input type="text" name="adno" id="adno" /><br><br>
23 <input type="submit" value="submit" /> <input type="reset" />
24 </form>
25 </div>
26 </center>
27 </body>
28 </html>

```

Writable | Smart Insert | 1:1:0

72°F Mostly sunny ENG IN 12:29 20-01-2023

Outputs



Phase 2 screenshots - Google Doc x Insert title here

localhost:8080/FlyAway/UserRegistration.jsp

FlyAway

User Details

Email :-

Password :-

Name :-

Phone No. :-

Aadhaar No. :-

77°F Haze

12:41 IN ENG 20-01-2023

