

phase5 - FlyAway/src/main/webapp/UserRegistration.jsp - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer AdminPage.jsp FlightList.jsp ForgotPasswo... HomePage.jsp UserPage.jsp UserRegistratio...

```
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 <br>
11 <a href=HomePage.jsp style="color:black;text-decoration:none ;font-size:35px;font-weight:bold;">FlyAway
12 <br><br>
13 <center>
14 <div style="border:3px solid black; width:25%; border-radius:20px; padding:20px" align="center">
15 <form action=UserRegistration method=post>
16   <label for=email>Email :</label> <input type="email" name=email id=email /><br><br>
17   <label for=pass>Password :</label> <input type="password" name=password id=pass /><br><br>
18   <label for=name>Name :</label> <input type="text" name=name id=name /><br><br>
19   <label for=phno>Phone No. :</label> <input type="text" name=phno id=phno /><br><br>
20   <label for=adno>Aadhaar No. :</label> <input type="text" name=adno id=adno /><br><br>
21   <input type=submit value=submit /> <input type=reset />
22 </form>
23 </div>
24 </center>
25 </body>
26 </html>
```

Outline Task List

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v9.0 Server at localhost [Started, Synchronized]

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Desktop 11:07 PM 3/17/2022 ENG

phase5 - FlyAway/src/main/java/com/database/Dao.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer X Dao.java FlightList.java UserLogin.java UserRegistratio... StringUtil.java FlyAway/pom.xml »
FlyAway Deployment Descriptor: FlyAway JAX-WS Web Services src/main/java src/test/java JRE System Library [JavaSE-1.8] Maven Dependencies Server Runtime [Apache Tomcat v9.0] Deployed Resources screenshots src main java com org webapp WEB-INF web.xml AdminHome.jsp AdminPage.jsp BookFlight.jsp FlightList.jsp ForgotPassword.jsp HomePage.jsp UserPage.jsp UserRegistration.jsp test target pom.xml Servers

```
1 package com.database;
2
3 import java.sql.Connection;
4
5
6 public class Dao {
7     public Connection con=null;
8     public Statement st=null;
9
10    public Dao() throws ClassNotFoundException, SQLException{
11        Class.forName("com.mysql.cj.jdbc.Driver");
12        con=DriverManager.getConnection("jdbc:mysql://localhost:3306/flyaway","root","Puja@9871");
13        System.out.println("connection established with database");
14        st=con.createStatement();
15    }
16
17    public List<String[]> getAvailableFlights(String f, String t, String d) {
18
19        List<String[]> flights=new ArrayList<>();
20        String query="SELECT * FROM flyaway.flights where fromf='"+f+"' and tof='"+t+"' and datef='"+d+"'";
21        try {
22            ResultSet rs=st.executeQuery(query);
23
24            if(rs.next()) {
25                String[] flight=new String[3];
26                flight[0]=rs.getString("name");
27                flight[1]=rs.getString("timef");
28                flight[2]=rs.getString("price");
29                flights.add(flight);
30            }
31
32        } catch (SQLException e) {
33            e.printStackTrace();
34        }
35
36        return flights;
37    }
38
39
40
41
42
43    }
44
45
46
47
48
49 }
```

Outline X Task List

- com.database
- Dao
 - con : Connection
 - st : Statement
 - Dao()
 - getAvailableFlights(String, String, String) : List<String>
 - checkUser(String, String) : HashMap<String, String>
 - insertUser(HashMap<String, String>) : boolean
 - checkAdmin(String, String) : boolean
 - changeAdminPassword(String, String) : boolean
 - insertFlight(HashMap<String, String>) : boolean

Markers Properties Servers Data Source Explorer Snippets Console
Tomcat v9.0 Server at localhost [Started, Synchronized]

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phase5 - FlyAway/src/main/java/com/database/Dao.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer X Dao.java FlightList.java UserLogin.java UserRegistra... StringUtil.java FlyAway/pom.xml »
FlyAway Deployment Descriptor: FlyAway JAX-WS Web Services src/main/java src/test/java JRE System Library [JavaSE-1.8] Maven Dependencies Server Runtime [Apache Tomcat v9.0] Deployed Resources screenshots src main java com org webapp WEB-INF web.xml AdminHome.jsp AdminPage.jsp BookFlight.jsp FlightList.jsp ForgotPassword.jsp HomePage.jsp UserPage.jsp UserRegistration.jsp test target pom.xml Servers

```
47     return null;
48 }
49
50 public HashMap<String, String> checkUser(String email, String password) {
51
52     HashMap<String, String> user=null;
53     String query="select * from user where email='"+email+"' and password='"+password+"'";
54     try {
55         ResultSet rs=st.executeQuery(query);
56         if(rs.next()) {
57             user=new HashMap<>();
58             user.put("name", rs.getString("name"));
59             user.put("email",rs.getString("email"));
60             user.put("phno",rs.getString("phno"));
61             user.put("adno",rs.getString("adno"));
62         }
63         return user;
64     } catch (SQLException e) {
65         e.printStackTrace();
66     }
67
68     return user;
69 }
70
71 public boolean insertUser(HashMap<String, String> user) {
72
73     String query="INSERT INTO user (email, password, name, phno, adno) values('"+user.get("email")+"',
74
75     try {
76         st.execute(query);
77         return true;
78     } catch (SQLException e) {
79         e.printStackTrace();
80     }
81     return false;
82 }
83
84 public boolean checkAdmin(String email, String password) {
```

Outline X Task List

- com.database
- Dao
 - con : Connection
 - st : Statement
 - Dao()
 - getAvailableFlights(String, String, String) : List<String>
 - checkUser(String, String) : HashMap<String, String>
 - insertUser(HashMap<String, String>) : boolean
 - checkAdmin(String, String) : boolean
 - changeAdminPassword(String, String) : boolean
 - insertFlight(HashMap<String, String>) : boolean

Markers Properties Servers X Data Source Explorer Snippets Console
Tomcat v9.0 Server at localhost [Started, Synchronized]

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phase5 - FlyAway/src/main/java/com/database/Dao.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer X Dao.java FlightList.java UserLogin.java UserRegistr... StringUtil.java FlyAway/pom.xml

```
96 public boolean changeAdminPassword(String email, String password) {  
97     try {  
98         ResultSet rs=st.executeQuery("select * from admin where email='"+email+"'");  
99         if(!rs.next()) {  
100             return false;  
101         }  
102         st.execute("update admin set password='"+password+"' where email='"+email+"'");  
103         return true;  
104     } catch (SQLException e) {  
105         e.printStackTrace();  
106     }  
107     return false;  
108 }  
109 }  
110  
111 public boolean insertFlight(HashMap<String, String> flight) throws SQLException {  
112     //PreparedStatement stm=con.prepareStatement("INSERT INTO `flyaway.flights` ('name', 'from', 'to',  
113     //String sql="INSERT INTO flights ('name','from','to','date','time','price') values('"+flight.get(  
114     String query = "INSERT INTO flights (name, fromf, tof, datef, timef, price) VALUES" + "("  
115         + StringUtil.fixSqlFieldValue(flight.get("name")) + "," + " " + StringUtil.fixSqlFieldValue(  
116         + StringUtil.fixSqlFieldValue(flight.get("to")) + "," + " " + StringUtil.fixSqlFieldValue(  
117         + StringUtil.fixSqlFieldValue(flight.get("time")) + "," + " " + StringUtil.fixSqlFieldValue(  
118         //String sql="INSERT INTO `flyaway`.`flights` (`name`, `fromf`, `tof`, `datef`, `timef`, `price`)  
119     System.out.println(flight.get("date"));  
120     System.out.println(flight.get("time"));  
121     //String query1="INSERT into flyaway.flights (name,from,to,date,time,price) values('indigo','hyd',  
122     try {  
123         //stm.execute();  
124         st.execute(query1);  
125         return true;  
126     } catch (SQLException e) {  
127         System.out.print("error");  
128         e.printStackTrace();  
129     }  
130     }  
131     return false;  
132 }  
133 }  
134 }
```

Outline X Task List

- com.database
- Dao
 - con : Connection
 - st : Statement
 - Dao()
 - getAvailableFlights(String, String, String) : List<String>
 - checkUser(String, String) : HashMap<String, String>
 - insertUser(HashMap<String, String>) : boolean
 - checkAdmin(String, String) : boolean
 - changeAdminPassword(String, String) : boolean
 - insertFlight(HashMap<String, String>) : boolean

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v9.0 Server at localhost [Started, Synchronized]

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phase5 - FlyAway/src/main/java/com/servlets/AdminLogin.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer X AdminLogin.java X

FlyAway Deployment Descriptor: FlyAway JAX-WS Web Services src/main/java com.database Dao.java com.servlets AdminLogin.java FlightList.java ForgotPassword.java InsertFlight.java Logout.java UserLogin.java UserRegistration.java org.simplilearn.workshop.util StringUtil.java src/test/java JRE System Library [JavaSE-1.8] Maven Dependencies Server Runtime [Apache Tomcat v9.0] Deployed Resources screenshots src main java com org webapp WEB-INF web.xml AdminHome.jsp AdminPage.jsp BookFlight.jsp FlightList.jsp ForgotPassword.jsp HomePage.jsp UserPage.jsp UserRegistration.jsp

```
1 package com.servlets;
2
3 import java.io.IOException;
4
5
6 @WebServlet("/AdminLogin")
7 public class AdminLogin extends HttpServlet {
8     private static final long serialVersionUID = 1L;
9
10    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException {
11        String email=request.getParameter("email");
12        String password=request.getParameter("password");
13
14        try {
15            Dao dao=new Dao();
16
17            if(dao.checkAdmin(email,password)) {
18                response.sendRedirect("AdminPage.jsp");
19            }
20            else {
21                HttpSession session=session;
22                session.setAttribute("password - com.servlets.AdminLogin.doPost(HttpServletRequest, HttpServletResponse)");
23                response.sendRedirect("AdminPage.jsp");
24            }
25        } catch (ClassNotFoundException | SQLException e) {
26            // TODO Auto-generated catch block
27            e.printStackTrace();
28        }
29    }
30
31 }
```

Outline X Task List

com.servlets AdminLogin serialVersionUID : long doPost(HttpServletRequest, HttpServletResponse) : void

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v9.0 Server at localhost [Started, Synchronized]

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phase5 - FlyAway/src/main/java/com/servlets/FlightList.java - Eclipse IDE

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Project Explorer Outline Task List

FlyAway

Deployment Descriptor: FlyAway

JAX-WS Web Services

src/main/java

- com.database
- com.servlets
- org.simplilearn.workshop.util

src/test/java

JRE System Library [JavaSE-1.8]

Maven Dependencies

Server Runtime [Apache Tomcat v9.0]

Deployed Resources

screenshots

src

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

AdminLogin.java FlightList.java

```
1 package com.servlets;
2
3
4 import java.io.IOException;
5
6 @WebServlet("/FlightList")
7 public class FlightList extends HttpServlet {
8     private static final long serialVersionUID = 1L;
9
10    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
11        String from=request.getParameter("from");
12        String to=request.getParameter("to");
13        String departure=request.getParameter("departure");
14
15        try {
16            Dao dao = new Dao();
17            List<String[]> flights=dao.getAvailableFlights(from, to, departure);
18            HttpSession session=request.getSession();
19            session.setAttribute("flights", flights);
20
21        } catch (ClassNotFoundException | SQLException e) {
22            // TODO Auto-generated catch block
23            e.printStackTrace();
24        }
25        response.sendRedirect("FlightList.jsp");
26    }
27
28 }
29
30
31
32
33
34
35
36
37
38
39 }
```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v9.0 Server at localhost [Started, Synchronized]

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phase5 - FlyAway/src/main/java/com/servlets/ForgotPassword.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer AdminLogin.java FlightList.java ForgotPassword.java

FlyAway
Deployment Descriptor: FlyAway
JAX-WS Web Services
src/main/java
com.database Dao.java
com.servlets AdminLogin.java FlightList.java ForgotPassword.java InsertFlight.java Logout.java UserLogin.java UserRegistration.java
org.simplilearn.workshop.util StringUtil.java
src/test/java
JRE System Library [JavaSE-1.8]
Maven Dependencies
Server Runtime [Apache Tomcat v9.0]
Deployed Resources
screenshots
src
main
java com org
webapp WEB-INF web.xml AdminHome.jsp AdminPage.jsp BookFlight.jsp FlightList.jsp ForgotPassword.jsp HomePage.jsp LoginPage.jsp UserRegistration.jsp

```
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
8     protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException {
9         String email=request.getParameter("email");
10        String password=request.getParameter("password");
11
12        try {
13            Dao dao=new Dao();
14            HttpSession session=request.getSession();
15            if(dao.changeAdminPassword(email,password)) {
16                session.setAttribute("message", "Password Changed Successfully");
17            }
18            else {
19                session.setAttribute("message", "Invalid Details");
20            }
21        } catch (ClassNotFoundException | SQLException e) {
22            // TODO Auto-generated catch block
23            e.printStackTrace();
24        }
25        response.sendRedirect("AdminPage.jsp");
26    }
27
28
29
30
31
32
33
34
35
36
37
38
39
40 }
```

Outline Task List

com.servlets
ForgotPassword
serialVersionUID : long
doPost(HttpServletRequest, HttpServletResponse) : void

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v9.0 Server at localhost [Started, Synchronized]

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phase5 - FlyAway/src/main/java/com/servlets/InsertFlight.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer X AdminLogin.java FlightList.java ForgotPassword.java InsertFlight.java

```
1 package com.servlets;
2
3 import javax.servlet.annotation.WebServlet;
4
5
6 @WebServlet("/InsertFlight")
7 public class InsertFlight extends HttpServlet {
8     private static final long serialVersionUID = 1L;
9
10 protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException {
11
12     String name=request.getParameter("name");
13     String from=request.getParameter("from");
14     String to=request.getParameter("to");
15     String departure=request.getParameter("departure");
16     String time=request.getParameter("time");
17     String price=request.getParameter("price");
18
19     HashMap<String,String> flight=new HashMap<>();
20     flight.put("name", name);
21     flight.put("from", from);
22     flight.put("to", to);
23     flight.put("date", departure);
24     flight.put("time", time);
25     flight.put("price", price);
26
27     try {
28         Dao dao=new Dao();
29         HttpSession session=request.getSession();
30         if(dao.insertFlight(flight)) {
31
32             session.setAttribute("message", "Flight Added Successfully");
33         }
34         else {
35             session.setAttribute("message", "Invalid Details");
36         }
37     } catch (ClassNotFoundException | SQLException e) {
38         // TODO Auto-generated catch block
39         System.out.print("error");
40         e.printStackTrace();
41     }
42 }
```

Outline X Task List

com.servlets

InsertFlight

serialVersionUID : long

doPost(HttpServletRequest, HttpServletResponse) : void

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v9.0 Server at localhost [Started, Synchronized]

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phase5 - FlyAway/src/main/java/com/servlets/Logout.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer X AdminLogin.java FlightList.java ForgotPassword.java InsertFlight.java Logout.java X

FlyAway Deployment Descriptor: FlyAway JAX-WS Web Services src/main/java com.database Dao.java com.servlets AdminLogin.java FlightList.java ForgotPassword.java InsertFlight.java Logout.java UserLogin.java UserRegistration.java org.simplilearn.workshop.util StringUtil.java src/test/java JRE System Library [JavaSE-1.8] Maven Dependencies Server Runtime [Apache Tomcat v9.0] Deployed Resources screenshots src main java com org webapp WEB-INF web.xml AdminHome.jsp AdminPage.jsp BookFlight.jsp FlightList.jsp ForgotPassword.jsp HomePage.jsp LoginPage.jsp UserRegistration.jsp

1 package com.servlets;
2
3 import javax.servlet.annotation.WebServlet;
4
5 @WebServlet("/Logout")
6 public class Logout extends HttpServlet {
7 private static final long serialVersionUID = 1L;
8 protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException,
9 HttpSession session=request.getSession();
10 session.setAttribute("user", null);
11 response.sendRedirect("HomePage.jsp");
12 }
13
14
15
16
17
18
19
20
21
22
23
24

Outline X Task List

com.servlets Logout serialVersionUID : long doGet(HttpServletRequest, HttpServletResponse) : void

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v9.0 Server at localhost [Started, Synchronized]

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phase5 - FlyAway/src/main/java/com/servlets/UserLogin.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer X AdminLogin.java FlightList.java ForgotPassword.java InsertFlight.java Logout.java UserLogin.java

FlyAway Deployment Descriptor: FlyAway JAX-WS Web Services src/main/java com.database Dao.java com.servlets AdminLogin.java FlightList.java ForgotPassword.java InsertFlight.java Logout.java UserLogin.java UserRegistration.java org.simplilearn.workshop.util StringUtil.java src/test/java JRE System Library [JavaSE-1.8] Maven Dependencies Server Runtime [Apache Tomcat v9.0] Deployed Resources screenshots src main java com org webapp WEB-INF web.xml AdminHome.jsp AdminPage.jsp BookFlight.jsp FlightList.jsp ForgotPassword.jsp HomePage.jsp LoginPage.jsp UserRegistration.jsp

```
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
8     protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException {
9
10         String email=request.getParameter("email");
11         String password=request.getParameter("password");
12
13         try {
14             Dao dao=new Dao();
15             HashMap<String,String> user=dao.checkUser(email,password);
16             HttpSession session=request.getSession();
17             if(user!=null) {
18                 session.setAttribute("user", user);
19                 response.sendRedirect("HomePage.jsp");
20             }
21             else {
22                 session.setAttribute("message", "Invalid Details");
23                 response.sendRedirect("LoginPage.jsp");
24             }
25         } catch (ClassNotFoundException | SQLException e) {
26             // TODO Auto-generated catch block
27             e.printStackTrace();
28         }
29
30     }
31
32 }
```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v9.0 Server at localhost [Started, Synchronized]

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phase5 - FlyAway/src/main/java/com/servlets/UserRegistration.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer X FlightList.java ForgotPasswo... InsertFlight... Logout.java UserLogin.java UserRegistr... »1

FlightList.java ForgotPasswo... InsertFlight... Logout.java UserLogin.java UserRegistr... »1

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

Outline X Task List

com.servlets
UserRegistration
serialVersionUID : long
doPost(HttpServletRequest, HttpServletResponse) : void

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v9.0 Server at localhost [Started, Synchronized]

Activate Windows Go to Settings to activate Windows.

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

- Project Explorer:** Shows the project structure for "FlyAway". It includes the "src/main/java" folder containing packages like "com.database" (with "Dao.java"), "com.servlets" (with "AdminLogin.java", "FlightList.java", "ForgotPassword.java", "InsertFlight.java", "Logout.java", "UserLogin.java", "UserRegistration.java"), and "org.simplilearn.workshop.util" (with "StringUtil.java").
- Editor:** Displays the content of "StringUtil.java". The code defines two static methods: `fixSqlFieldValue` and `encodeHtmlTag`.

```
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("&");
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}
```
- Outline:** Shows the class structure with methods `fixSqlFieldValue` and `encodeHtmlTag`.
- Task List:** Empty.
- Bottom Status Bar:** Shows "Activate Windows" and "Go to Settings to activate Windows."
- System Tray:** Shows icons for battery, signal, volume, and system status.

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

- Project Explorer View:** Shows the project structure. The `FlyAway` project contains several packages:
 - `src/main/java`:
 - `com.database`: `Dao.java`
 - `com.servlets`: `AdminLogin.java`, `FlightList.java`, `ForgotPassword.java`, `InsertFlight.java`, `Logout.java`, `UserLogin.java`, `UserRegistration.java`
 - `org.simplilearn.workshop.util`: `StringUtil.java`
 - `src/test/java`
 - `JRE System Library [JavaSE-1.8]`
 - `Maven Dependencies`
 - `Server Runtime [Apache Tomcat v9.0]`
 - `Deployed Resources`
 - `screenshots`
 - `src`:
 - `main`:
 - `java`: `com`, `org`
 - `webapp`:
 - `WEB-INF`: `web.xml`
 - `JSP files`: `AdminHome.jsp`, `AdminPage.jsp`, `BookFlight.jsp`, `FlightList.jsp`, `ForgotPassword.jsp`, `HomePage.jsp`, `UserPage.jsp`, `UserRegistration.jsp`
- Editor View:** Displays the `StringUtil.java` file content. The code defines two static methods: `fixSqlFieldValue` and `encodeHtmlTag`.
- Outline View:** Shows the class structure and methods:
 - `StringUtil`
 - `fixSqlFieldValue(String) : String`
 - `encodeHtmlTag(String) : String`
- Bottom Status Bar:** Shows the status bar with various icons and text, including "Activate Windows", "Go to Settings to activate Windows.", and system information like "11:06 PM 3/17/2022".

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

- Project Explorer:** Shows the project structure with packages like Dao.java, com.servlets (containing AdminLogin.java, FlightList.java, ForgotPassword.java, InsertFlight.java, Logout.java, UserLogin.java, UserRegistration.java), org.simplilearn.workshop.util (StringUtil.java), and src/test/java.
- Editor:** Displays the content of AdminHome.jsp. The code is a JSP page with Java scriptlets and HTML/CSS/JavaScript. It includes a form for inserting flight details and logic for displaying a message if a session attribute named "message" exists.
- Outline:** Shows the structure of the JSP file, including directives, DOCTYPE, and HTML elements.
- Task List:** Shows a single entry: 'jsp:directive.page language=java'.
- Bottom Status Bar:** Shows tabs for Markers, Properties, Servers, Data Source Explorer, Snippets, and Console. The Console tab is active, showing the message: 'Tomcat v9.0 Server at localhost [Started, Synchronized]'.
- System Tray:** Shows standard Windows system icons for battery, network, volume, and task switching.

```
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 </head>
9<body >
10<br>
11 <a href=HomePage.jsp style="color:black;text-decoration:none ;font-size:35px;font-weight:bold;">FlyAway
12 <br><br>
13<center>
14 <h1>Insert New Flight Details</h1>
15
16<div style="border:3px solid black;width:25%;border-radius:20px;padding:20px" align="center">
17<form action=InsertFlight method=post>
18 <label for=name>Name :-</label> <input type="text" name=name id=name /><br><br>
19 <label for=from>From :-</label> <input type="text" name=from id=from /><br><br>
20 <label for=to>To :-</label> <input type="text" name=to id=to /><br><br>
21 <label for=departure>Departure :-</label> <input type="date" name=departure id=departure /><br><br>
22 <label for=time>Time :-</label> <input type="time" name=time id=time /><br><br>
23 <label for=price>Price :-</label> <input type="text" name=price id=price /><br><br>
24 <input type=submit value=submit /> <input type=reset />
25 </form>
26 </div>
27 </center>
28<%> Displays contained text centered. Equivalent to DIV with align=center.
29 String message=(String)session.getAttribute("message");
30 if(message!=null){
31 %
32 <p style="color:silver;"><%=message %></p>
33<%
34 session.setAttribute("message", null);
35 %
36%
37 </body>
38 </html>
```

Activate Windows
Go to Settings to activate Windows.

phase5 - FlyAway/src/main/webapp/AdminPage.jsp - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer

- > Dao.java
- < com.servlets
 - > AdminLogin.java
 - > FlightList.java
 - > ForgotPassword.java
 - > InsertFlight.java
 - > Logout.java
 - > UserLogin.java
 - > UserRegistration.java
- < org.simplilearn.workshop.util
 - > StringUtil.java
- > src/test/java
- > JRE System Library [JavaSE-1.8]
- > Maven Dependencies
- > Server Runtime [Apache Tomcat v9.0]
- > Deployed Resources
- > screenshots
- < src
 - > main
 - > java
 - > com
 - > org
 - > webapp
 - > WEB-INF
 - > web.xml
 - > AdminHome.jsp
 - > AdminPage.jsp
 - > BookFlight.jsp
 - > FlightList.jsp
 - > ForgotPassword.jsp
 - > HomePage.jsp
 - > LoginPage.jsp
 - > UserRegistration.jsp
 - > test
 - > target
 - > pom.xml
 - > Servers

Logout.java UserLogin.java UserRegistration.jsp StringUtil.java AdminHome.jsp AdminPage.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 </head>
9 <body >
10 <br>
11 <a href=HomePage.jsp style="color:black;text-decoration:none ;font-size:35px;font-weight:bold;">FlyAway
12 <br><br>
13 <center>
14 <h2>Admin Login</h2>
15 <div style="border:3px solid black; width:25%; border-radius:20px; padding:20px" align="center">
16 <form action=AdminLogin method=post>
17 <label for=email>Email :</label> <input type="email" name=email id=email /><br><br>
18 <label for=pass>Password :</label> <input type="password" name=password id=pass /><br><br>
19 <input type=submit value=submit /> <input type=reset />
20 </form>
21 </div>
22 </center><br>
23 <a href=ForgotPassword.jsp style="font-size:25;color:red;">Forgot Password</a>
24
25 <%
26     String message=(String)session.getAttribute("message");
27     if(message!=null){
28 %
29 <p style="color:silver;"><%=message %></p>
30 <%
31         session.setAttribute("message", null);
32     }
33 %
34 </body>
35 </html>
```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v9.0 Server at localhost [Started, Synchronized]

Activate Windows Go to Settings to activate Windows.

Writable Smart Insert 1:1:0

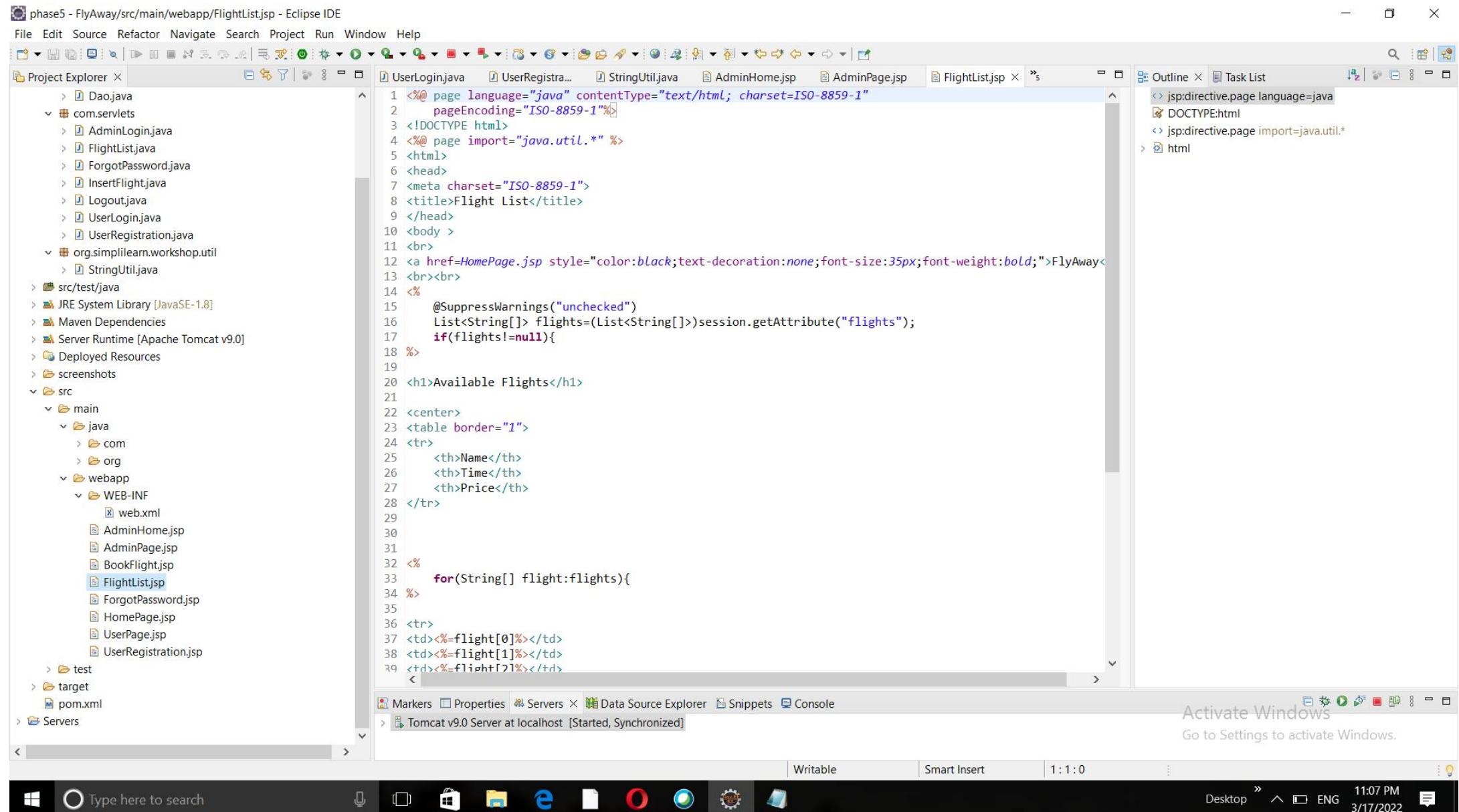
Type here to search

Windows 11:07 PM 3/17/2022 ENG

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

- Project Explorer:** Shows the project structure with packages like com.servlets, org.simplilearn.workshop.util, and src/test/java.
- Editor:** Displays the code for AdminPage.jsp. The code includes JSP directives, HTML, and Java scriptlets. It features a login form with fields for email and password, and links for forgot password and homepage.
- Outline:** Shows the structure of the JSP page, including directives, DOCTYPE, and HTML elements.
- Task List:** Shows a list of tasks related to the JSP page.
- Bottom Bar:** Includes tabs for Markers, Properties, Servers, Data Source Explorer, Snippets, and Console. The Servers tab shows "Tomcat v9.0 Server at localhost [Started, Synchronized]."
- System Tray:** Shows system icons for battery, signal, and volume.

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Admin Page</title>
</head>
<body >
<br>
<a href=HomePage.jsp style="color:black;text-decoration:none ;font-size:35px;font-weight:bold;">FlyAway
<br><br>
<center>
<h2>Admin Login</h2>
<div style="border:3px solid black; width:25%; border-radius:20px; padding:20px" align="center">
<form action=AdminLogin method=post>
<label for=email>Email :</label> <input type="email" name=email id=email /><br><br>
<label for=pass>Password :</label> <input type="password" name=password id=pass /><br><br>
<input type=submit value=submit /> <input type=reset />
</form>
</div>
</center><br>
<a href=ForgotPassword.jsp style="font-size:25;color:red;">Forgot Password</a>
<br>
<%>
String message=(String)session.getAttribute("message");
if(message!=null){
<%>
<p style="color:silver;"><%=message %></p>
<%>
session.setAttribute("message", null);
}
</body>
</html>
```



phase5 - FlyAway/src/main/webapp/ForgotPassword.jsp - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer UserRegistration.jsp StringUtil.java AdminHome.jsp AdminPage.jsp FlightList.jsp ForgotPasswo... »

UserRegistration.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 <br>
11 <a href=HomePage.jsp style="color:black;text-decoration:none ;font-size:35px;font-weight:bold;">FlyAway
12 <br><br>
13 <center>
14 <div style="border:3px solid black; width:25%; border-radius:20px; padding:20px" align="center">
15 <form action=ForgotPassword method=post>
16   <label for=email>Email :</label> <input type="email" name=email id=email /><br><br>
17   <label for=pass>New Password :</label> <input type="password" name=password id=pass /><br><br>
18   <input type=submit value=submit /> <input type=reset />
19 </form>
20 </div>
21 </center>
22 </body>
23 </html>
```

Outline Task List

jsp:directive.page language=java
DOCTYPE:html
html

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v9.0 Server at localhost [Started, Synchronized]

Writable Smart Insert 1:1:0

Type here to search

Activate Windows Go to Settings to activate Windows.

Desktop 11:07 PM 3/17/2022 ENG

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

- Project Explorer:** Shows the project structure with packages like com.servlets, org.simplilearn.workshop.util, and src/test/java.
- Editor:** Displays the content of `HomePage.jsp`. The code is a JSP page with Java scriptlets and JSTL tags. It includes imports for `java.util.*`, a DOCTYPE declaration, and a session attribute check for "user". It displays a welcome message and links for Admin Login, Logout, User Login, and User Registration.
- Outline:** Shows the structure of the JSP page, including directives, imports, and HTML elements.
- Task List:** Shows a list of tasks related to the JSP page.
- Bottom Status Bar:** Shows the status bar with tabs for Markers, Properties, Servers, Data Source Explorer, Snippets, and Console. The Console tab is active, showing the message: "Tomcat v9.0 Server at localhost [Started, Synchronized]."
- System Tray:** Shows the Windows taskbar with icons for Start, Search, Task View, File Explorer, Edge, File, and others. The system tray shows battery level, signal strength, and date/time (11:07 PM, 3/17/2022).

Activate Windows
Go to Settings to activate Windows.

```
StringUtil.java AdminHome.jsp AdminPage.jsp FlightList.jsp ForgotPasswo... HomePage.jsp
6<head>
7 <meta charset="ISO-8859-1">
8 <title>FlyAway</title>
9 </head>
10<body>
11 <h1>FlyAway</h1>
12
13<div align="right">
14 <a href="AdminPage.jsp">Admin Login</a>
15 </div>
16
17<%@ SuppressWarnings("unchecked")>
18 HashMap<String, String> user=(HashMap<String, String>)session.getAttribute("user");
19 if(user!=null){
20 %>
21 <p>Welcome <%=user.get("name") %></p>
22 <a href="Logout">Logout</a>
23 <%>
24 <%>
25 }else{
26 %>
27 <a href=UserPage.jsp>User Login</a>
28 <%>
29 }
30 <br><br>
31 <center>
32 <div style="border:5px solid black; width:25%; border-radius:20px; padding:20px" align="center">
33 <form action=FlightList method=post>
34 <label for=from>From :</label> <input type=text name=from id=from/><br><br>
35 <label for=to>To :</label> <input type=text name=to id=to/><br><br>
36 <label for=departure>Departure :</label> <input type=date name=departure id=departure/><br><br>
37 <label for=travellers>Travellers :</label> <input type=number name=travellers id=travellers/><br><br>
38 <input type=submit value=Search /> <input type=reset />
39 </form>
40 </div>
41 </center>
42 </body>
43 </html>
```

Activate Windows
Go to Settings to activate Windows.

phase5 - FlyAway/src/main/webapp/UserPage.jsp - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer AdminHome.jsp AdminPage.jsp FlightList.jsp ForgotPasswo... HomePage.jsp UserPage.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 <br>
11 <a href=HomePage.jsp style="color:black;text-decoration:none ;font-size:35px;font-weight:bold;">FlyAway
12 <br><br>
13<center>
14 <h2>User Login</h2>
15<div style="border:2px solid black; width:25%; border-radius:20px; padding:20px" align="center">
16<form action=UserLogin method=post >
17 <table >
18 <tr>
19 <td><label for=email>Email</label><br></td>
20 <td><input type="email" name=email id=email /></td>
21 </tr>
22 <tr>
23 <td><label for=pass>Password</label><br></td>
24 <td><input type="password" name=password id=pass /></td>
25 </tr>
26
27 <tr>
28 <td><input type=submit value=submit /></td>
29 <td><input type=reset /></td>
30 </tr>
31 </table>
32
33 </form>
34 </div>
35 </center>
36 <br><br>
37 <i>New User-Create account</i>
38 <h4><a href=UserRegistration.jsp style="font-size:25;color:red;">Create Account</a></h4>
39
```

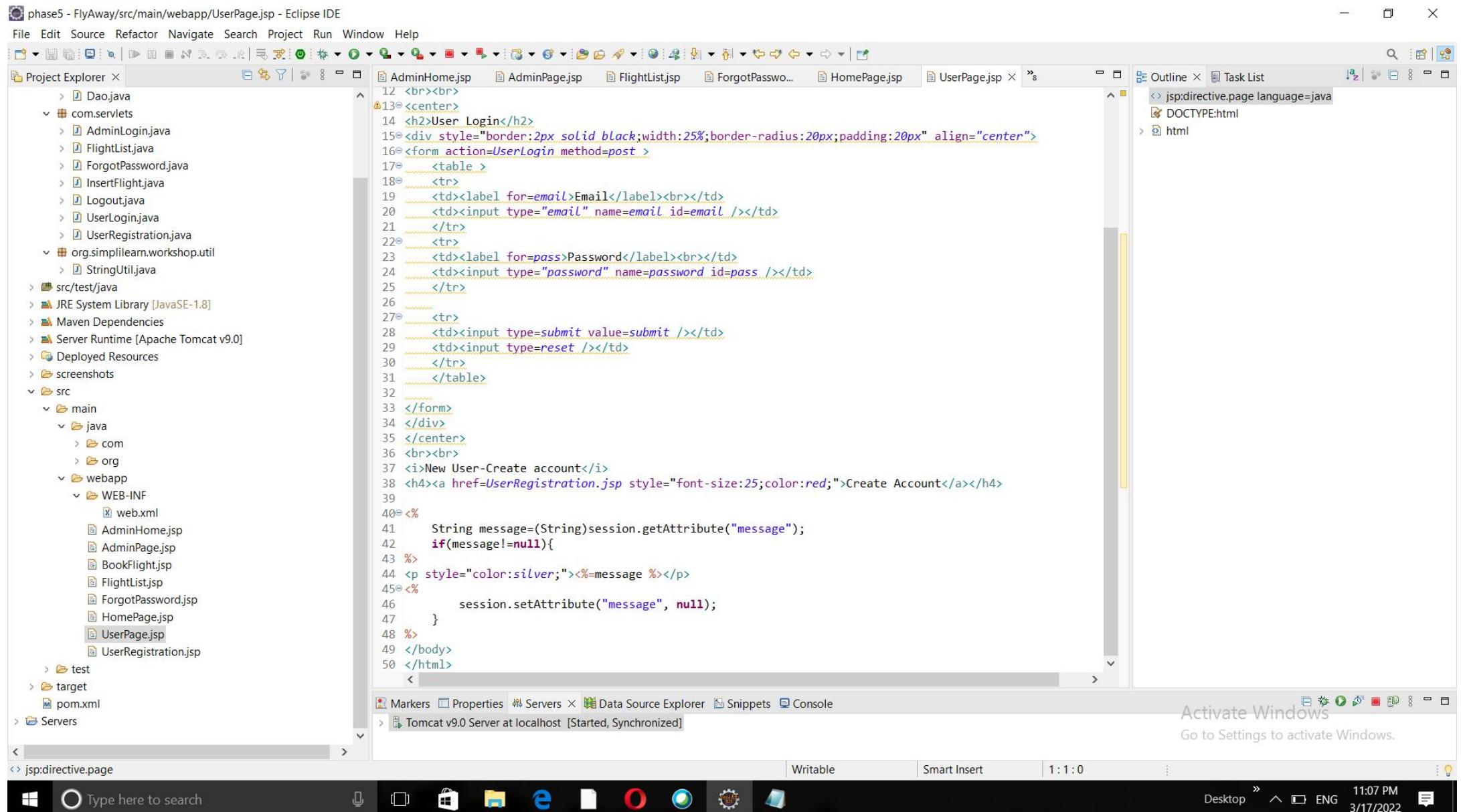
Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v9.0 Server at localhost [Started, Synchronized]

Writable Smart Insert 1:1:0

Activate Windows Go to Settings to activate Windows.

Type here to search



phase5 - FlyAway/src/main/webapp/UserRegistration.jsp - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer AdminPage.jsp FlightList.jsp ForgotPasswo... HomePage.jsp UserPage.jsp UserRegistratio...

```
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 <br>
11 <a href=HomePage.jsp style="color:black;text-decoration:none ;font-size:35px;font-weight:bold;">FlyAway
12 <br><br>
13 <center>
14 <div style="border:3px solid black; width:25%; border-radius:20px; padding:20px" align="center">
15 <form action=UserRegistration method=post>
16   <label for=email>Email :</label> <input type="email" name=email id=email /><br><br>
17   <label for=pass>Password :</label> <input type="password" name=password id=pass /><br><br>
18   <label for=name>Name :</label> <input type="text" name=name id=name /><br><br>
19   <label for=phno>Phone No. :</label> <input type="text" name=phno id=phno /><br><br>
20   <label for=adno>Aadhaar No. :</label> <input type="text" name=adno id=adno /><br><br>
21   <input type=submit value=submit /> <input type=reset />
22 </form>
23 </div>
24 </center>
25 </body>
26 </html>
```

Outline Task List

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v9.0 Server at localhost [Started, Synchronized]

Writable Smart Insert 1:1:0

Type here to search

Activate Windows Go to Settings to activate Windows.

Desktop 11:07 PM 3/17/2022 ENG