Validation of User Login Source code:

login.html

```
<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Login</title>

</head>

<body>

<h2>Login</h2>

    <form action="login" method="POST">

        <label for="email">Email:</label>

        <input type="text" id="email" name="email" required><br>

        <label for="password">Password:</label>

        <input type="password" id="password" name="password" required><br>

        <input type="submit" value="Login">

    </form>

</body>

</html>
```

dashboard.html

```
<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Dashboard</title>

</head>

<body>

<h2>Welcome to the Dashboard</h2>

    <a href="logout">Logout</a>
```

</body>

</html>

error.jsp


```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"

pageEncoding="ISO-8859-1"%>

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Error</title>

</head>

<body>

<h2>Error</h2>

    <p>${error}</p>

    <p><a href="login.html">Go back to Login</a></p>

</body>

</html>
```


LoginServlet:

```
import java.io.IOException; import

javax.servlet.ServletException; import

javax.servlet.http.HttpServlet; import

javax.servlet.http.HttpServletRequest; import

javax.servlet.http.HttpServletResponse; import

javax.servlet.http.HttpSession;
```

```java
public class LoginServlet extends HttpServlet {

private static final long serialVersionUID = 1L;


    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {

        String UserName = request.getParameter("email");

        String password = request.getParameter("password");
// Hard-coded correct values for login

        String correctUserName = "admin@example.com";

        String correctPassword = "admin123";


        if (UserName.equals(correctUserName) && password.equals(correctPassword)) {
HttpSession session = request.getSession();          session.setAttribute("user",
UserName);          response.sendRedirect("dashboard");
        } else {

            request.setAttribute("error", "Invalid email or password");
request.getRequestDispatcher("error.jsp").forward(request, response);
        }
    }
}
```

DashboardServlet:

```java
import java.io.IOException; import

javax.servlet.ServletException; import

javax.servlet.http.HttpServlet; import

javax.servlet.http.HttpServletRequest; import

javax.servlet.http.HttpServletResponse; import

javax.servlet.http.HttpSession; public class

DashboardServlet extends HttpServlet {    private

static final long serialVersionUID = 1L;
```

```java
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {

    HttpSession session = request.getSession(false);


    if (session != null && session.getAttribute("user") != null) {

request.getRequestDispatcher("dashboard.html").forward(request, response);

    } else {

        response.sendRedirect("login.html");

    }

}


    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {

    HttpSession session = request.getSession(false);


    if (session != null) {

session.invalidate();

    }


    response.sendRedirect("login.html");

}
}
```

LogoutServlet:

```java
import java.io.IOException; import

javax.servlet.ServletException; import

javax.servlet.http.HttpServlet; import

javax.servlet.http.HttpServletRequest; import

javax.servlet.http.HttpServletResponse; import

javax.servlet.http.HttpSession;
```

```java
public class LogoutServlet extends HttpServlet {

private static final long serialVersionUID = 1L;


    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {

        HttpSession session = request.getSession(false);


        if (session != null) {

session.invalidate();

        }


        response.sendRedirect("login.html");

}

}
```

web.xml

```xml
<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xmlns="http://java.sun.com/xml/ns/javaee"

xsi:schemaLocation="http://java.sun.com/xml/ns/javaee

http://java.sun.com/xml/ns/javaee/web-app_3_0.xsd"    id="WebApp_ID"

version="3.0">


  <display-name>ServletBasedWebApp</display-name>


  <servlet>

    <servlet-name>LoginServlet</servlet-name>

    <servlet-class>LoginServlet</servlet-class>

  </servlet>


  <servlet>
```

```xml
    <servlet-name>DashboardServlet</servlet-name>

    <servlet-class>DashboardServlet</servlet-class>

  </servlet>


  <servlet>

    <servlet-name>LogoutServlet</servlet-name>

    <servlet-class>LogoutServlet</servlet-class>

  </servlet>


  <servlet-mapping>

    <servlet-name>LoginServlet</servlet-name>

    <url-pattern>/login</url-pattern>

  </servlet-mapping>


  <servlet-mapping>

    <servlet-name>DashboardServlet</servlet-name>

    <url-pattern>/dashboard</url-pattern>

  </servlet-mapping>


  <servlet-mapping>

    <servlet-name>LogoutServlet</servlet-name>

    <url-pattern>/logout</url-pattern>

  </servlet-mapping>


<welcome-file-list>

    <welcome-file>login.html</welcome-file>

  </welcome-file-list>


</web-app>
```