

**KIRAN KUMAR D NATIKAR**

**EMP ID: 2576955**

**SOURCE CODE:**

## 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>
```

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`</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;
```

```
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";
```

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```
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:**

```
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;
```

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```
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");
```

```
}
```

```
}
```

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**LogoutServlet:**

```
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 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");

    }

}
```

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## web.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>
    <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>
```