

## Code: -

### Login.html: -

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <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><br>

    <label for="password">Password:</label>
    <input type="password" id="password" name="password"
required><br><br>

    <input type="submit" value="Login">
  </form>
</body>
</html>
```

### Dashboard.html: -

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="UTF-8">
  <title>Dashboard</title>
</head>
<body>
  <h2>Welcome to the Dashboard</h2>
  <a href="Logout">Logout</a>
</body>
</html>
```

### Error.html: -

```

<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Error!</title>
</head>
<body>
  <h2>Error</h2>
  <p>Invalid email or password. Please try again.</p>
  <a href="Login.html">Back to Login</a>
</body>
</html>

```

## Servlets: -

Login.java: -

```

import java.io.IOException;import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;import
javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;import
javax.servlet.http.HttpServletResponse;

@WebServlet("/LoginServlet")

public class LoginServlet 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");

        // Hard-coded credentials
        String correctEmail = "bypureddysatyanarayana@gmail.com";
        String correctPassword = "satyamacha";

        if (email.equals(correctEmail) &&
password.equals(correctPassword)) {
            // Set session attribute to indicate successful login
            request.getSession().setAttribute("loggedIn", true);
            response.sendRedirect("dashboard.html");
        } else {
            // Redirect to error page for invalid
login
            response.sendRedirect("error.html");
        }
    }
}

```

**Dashbaord.java: -**

```
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class Dashboard extends HttpServlet {
    protected void doGet(HttpServletRequest request, HttpServletResponse
response)
        throws ServletException, IOException {
        HttpSession session = request.getSession(false);
        if (session != null && session.getAttribute("email") != null) {
            RequestDispatcher dispatcher =
request.getRequestDispatcher("dashboard.html");
            dispatcher.forward(request, response);
        } else {
            response.sendRedirect("login.html"); // Redirect to the login page
        }
    }
}
```

**Logout.java: -**

```
import java.io.IOException;import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;import
javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;import
javax.servlet.http.HttpServletResponse;
```

```
@WebServlet("/LogoutServlet")
```

```
public class Logout extends HttpServlet {
    private static final long serialVersionUID = 1L;
    protected void doGet(HttpServletRequest request,
HttpServletResponse response)
        throws ServletException, IOException {
        // Invalidate session and redirect to login page
        request.getSession().invalidate();
        response.sendRedirect("login.html");
    }
}
```

**Error.java: -**

```
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class Error extends HttpServlet {
    protected void doGet(HttpServletRequest request,
HttpServletResponse response)
        throws ServletException, IOException {
        RequestDispatcher dispatcher =
request.getRequestDispatcher("error.html");
        dispatcher.forward(request, response);
    }
}
```

**Web.xml: -**

```
<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns="http://xmlns.jcp.org/xml/ns/javaee"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee
http://xmlns.jcp.org/xml/ns/javaee/web-app\_4\_0.xsd"
    version="4.0">

    <servlet>
```

```
        <servlet-name>Login</servlet-name>
        <servlet-class>Login</servlet-class>
    </servlet>
    <servlet-mapping>
        <servlet-name>Login</servlet-name>
        <url-pattern>/Login</url-pattern>
    </servlet-mapping>

    <servlet>
        <servlet-name>Logout</servlet-name>
        <servlet-class>Logout</servlet-class>
    </servlet>
    <servlet-mapping>
        <servlet-name>Logout</servlet-name>
        <url-pattern>/Logout</url-pattern>
    </servlet-mapping>

    <servlet>
        <servlet-name>Error</servlet-name>
        <servlet-class>Error</servlet-class>
    </servlet>
    <servlet-mapping>
        <servlet-name>Error</servlet-name>
        <url-pattern>/Error</url-pattern>
    </servlet-mapping>

    <servlet>
        <servlet-name>Dashboard</servlet-name>
        <servlet-class>Dashboard</servlet-class>
    </servlet>
    <servlet-mapping>
        <servlet-name>Dashboard</servlet-name>
        <url-pattern>/Dashboard</url-pattern>
    </servlet-mapping>
</web-app>
```

