

Java Servlet Form Example (HTML → Servlet → JSP)

1. index.jsp (Form Page)

```
<!DOCTYPE html>
<html>
<head>
  <title>User Form</title>
</head>
<body>
  <h2>Enter Your Details</h2>
  <form action="form" method="post">
    Name: <input type="text" name="name" required><br><br>
    Age: <input type="number" name="age" required><br><br>
    <input type="submit" value="Submit">
  </form>
</body>
</html>
```

2. FormServlet.java (Servlet Logic)

```
package com.example;

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

public class FormServlet extends HttpServlet {
    protected void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {

        String name = request.getParameter("name");
        String age = request.getParameter("age");

        // Pass data to JSP
        request.setAttribute("name", name);
        request.setAttribute("age", age);

        RequestDispatcher rd = request.getRequestDispatcher("result.jsp");
        rd.forward(request, response);
    }
}
```

3. result.jsp (Output Page)

```
<!DOCTYPE html>
<html>
<head>
  <title>Result</title>
</head>
<body>
  <h2>Form Submitted Successfully!</h2>
  <p><b>Name:</b> ${name}</p>
  <p><b>Age:</b> ${age}</p>
</body>
</html>
```

4. web.xml (Servlet Mapping)

```
<web-app xmlns="http://java.sun.com/xml/ns/javaee" version="3.0">
  <servlet>
    <servlet-name>FormServlet</servlet-name>
    <servlet-class>com.example.FormServlet</servlet-class>
```

```
</servlet>
<servlet-mapping>
  <servlet-name>FormServlet</servlet-name>
  <url-pattern>/form</url-pattern>
</servlet-mapping>
</web-app>
```

5. Example Output

1. Open: `http://localhost:8080/FormProject/index.jsp`

```
Form Page:
Enter Your Details
Name: John Doe
Age: 25
[Submit]
```

2. After submitting → Servlet processes input → forwards to JSP.

```
Result Page (result.jsp):
Form Submitted Successfully!
Name: John Doe
Age: 25
```