

SERVLETS AND JSP COURSE

EXERCISE

HANDLING PARAMETERS

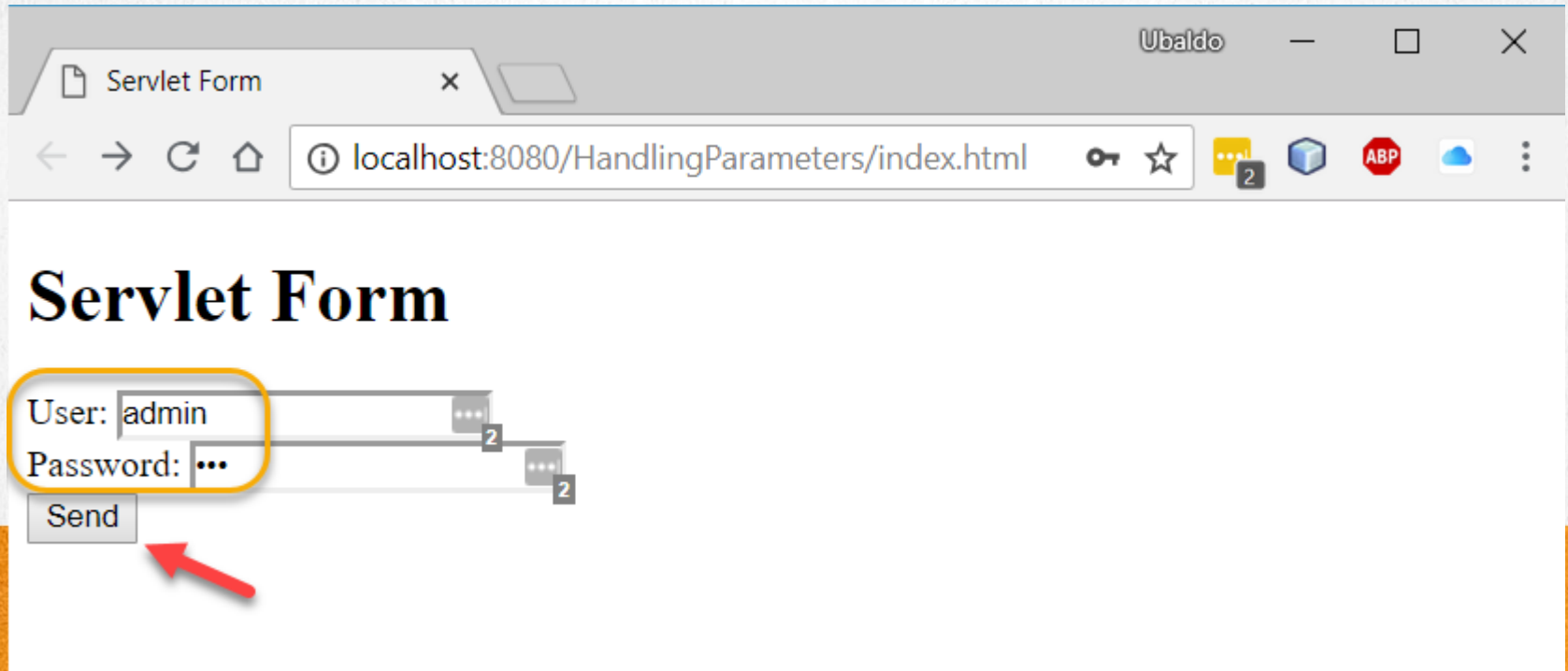


SERVLETS AND JSP COURSE

www.globalmentoring.com.mx

EXERCISE OBJECTIVE

Create a program to implement the handling of parameters with Servlets. At the end we should observe the following:



The screenshot shows a web browser window with the title "Servlet Form". The address bar displays "localhost:8080/HandlingParameters/index.html". The page content includes a form with two input fields: "User: admin" and "Password: ...". A red arrow points to a "Send" button below the password field. The browser's taskbar at the bottom shows several icons, including a yellow speech bubble with the number "2", a blue cube, a red "ABP" logo, and a blue cloud.

Servlet Form

User: admin

Password: ...

Send

1. CREATE A NEW PROJECT

Create a new web Project using Maven:

New Web Application

Steps

1. Choose Project
2. **Name and Location**
3. Settings

Name and Location

Project Name: HandlingParameters

Project Location: C:\Courses\Servlets\Lesson03 Browse...

Project Folder: C:\Courses\Servlets\Lesson03\HandlingParameters

Artifact Id: HandlingParameters

Group Id: web

Version: 1

Package: (Optional)

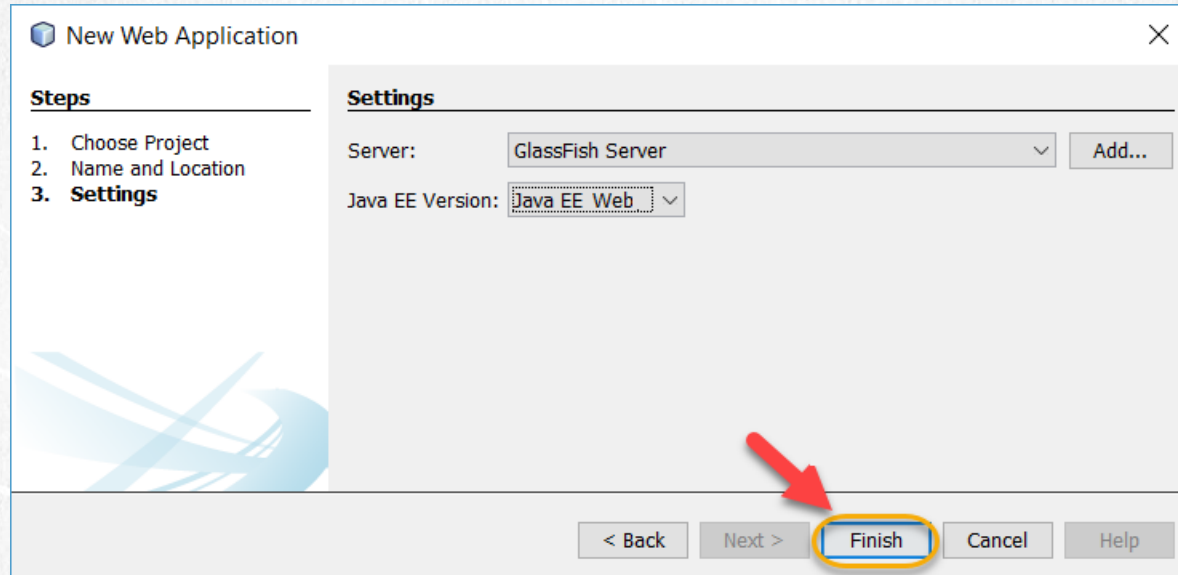
< Back **Next >** Finish Cancel Help

SERVLETS AND JSP COURSE

www.globalmentoring.com.mx

1. CREATE A NEW PROJECT(CONT)

Create a new project:



New Web Application

Steps

1. Choose Project
2. Name and Location
3. **Settings**

Settings

Server: GlassFish Server Add...

Java EE Version: Java EE Web

< Back Next > **Finish** Cancel Help

SERVLETS AND JSP COURSE

www.globalmentoring.com.mx

2. CREATE A NEW CLASS

Create a new class that will be a Servlet:

New Java Class

Steps

1. Choose File Type
2. **Name and Location**

Name and Location

Class Name:

Project:

Location:

Package:

Created File:

< Back Next > **Finish** Cancel Help

SERVLETS AND JSP COURSE

www.globalmentoring.com.mx

3. MODIFY THE CODE

Servlet.java:

```
package web;

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

@WebServlet("/Servlet")
public class Servlet extends HttpServlet {

    @Override
    public void doGet(HttpServletRequest req, HttpServletResponse res)
        throws IOException {
        try (PrintWriter out = res.getWriter()) {
            out.println("<html>");
            out.println("<body>");
            out.println("doGet method not supported in the Servlet");
            out.println("</body>");
            out.println("</html>");
        }
    }
}
```

SERVLETS AND JSP COURSE

www.globalmentoring.com.mx

3. MODIFY THE CODE

Servlet.java:

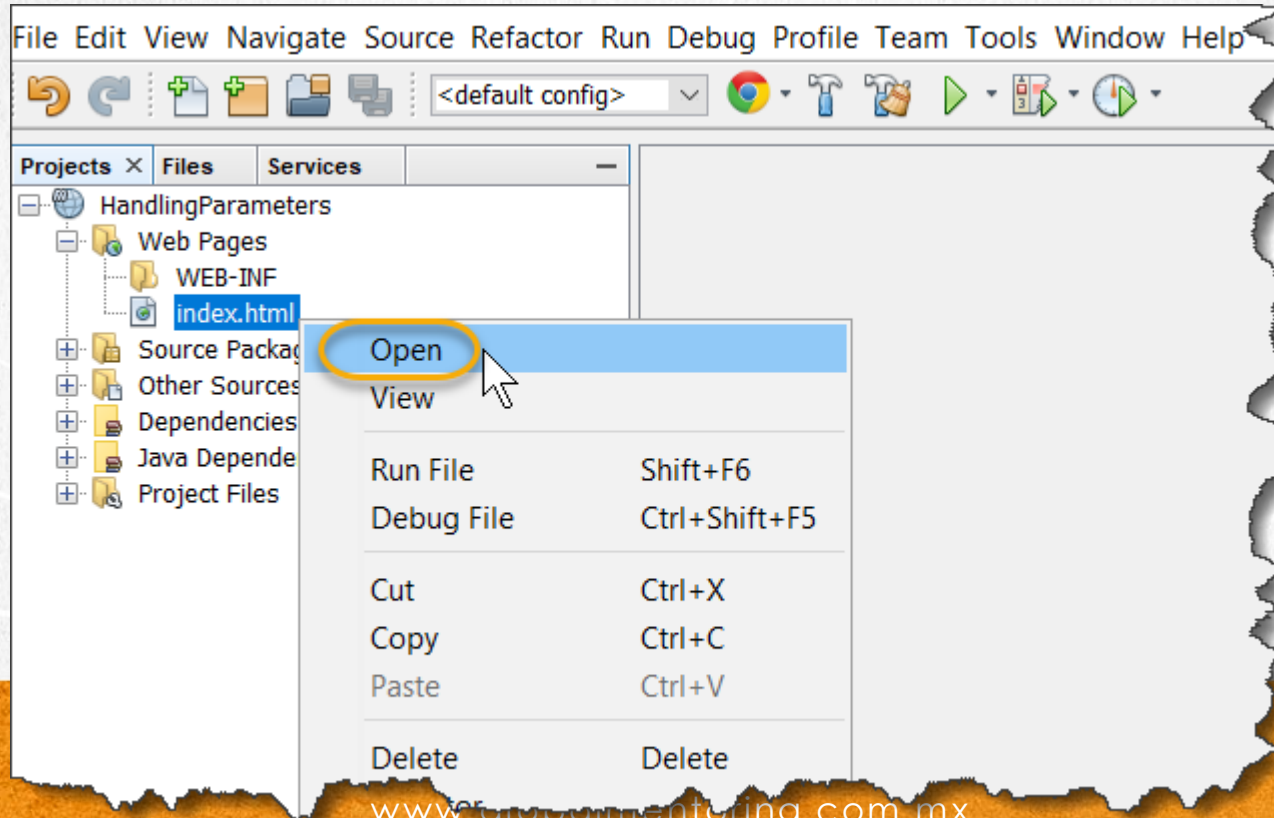
```
@Override
public void doPost(HttpServletRequest req, HttpServletResponse res) throws IOException {
    //We read the parameters of the form
    String user = req.getParameter("user");
    String password = req.getParameter("password");

    System.out.println("user:" + user);
    System.out.println("password:" + password);

    try (PrintWriter out = res.getWriter()) {
        out.println("<html>");
        out.println("<body>");
        out.println("The user parameter is: " + user);
        out.println("<br>");
        out.println("The password parameter is: " + password);
        out.println("</body>");
        out.println("</html>");
    }
}
```


4. MODIFY THE FILE

Modify the index.html file:



4. MODIFY THE FILE

index.html:

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="UTF-8">
    <title>Servlet Form</title>
  </head>
  <body>
    <h1>Servlet Form</h1>
    <form name="form1" action="/HandlingParameters/Servlet" method="post">
      User: <input type="text" name="user" />
      <br>
      Password: <input type="password" name="password" value="" />
      <br>
      <input type="submit" value="Send" />
    </form>
  </body>
</html>
```

SERVLETS AND JSP COURSE

www.globalmentoring.com.mx

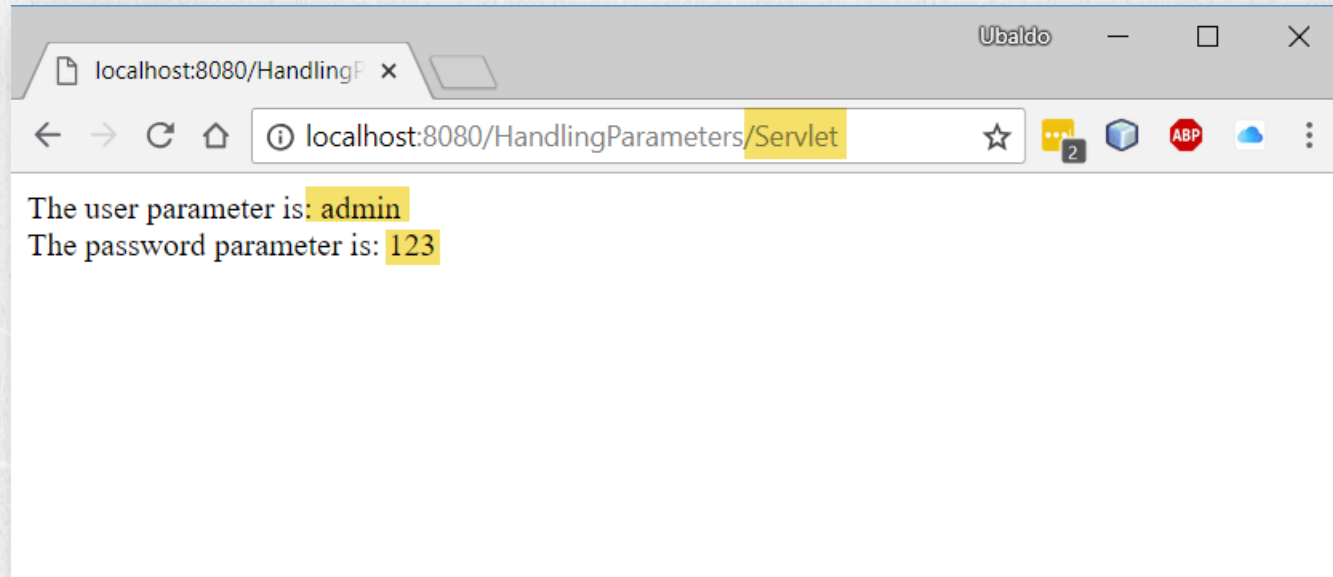
5. EXECUTE THE PROJECT

The screenshot shows a web browser window with the title "Servlet Form". The address bar displays "localhost:8080/HandlingParameters/index.html". The page content includes the heading "Servlet Form" and a form with two input fields: "User:" containing "admin" and "Password:" which is masked with dots. Below the fields is a "Send" button. A red arrow points to the "Send" button. The browser's taskbar shows the name "Ubaldo" and several icons.

SERVLETS AND JSP COURSE

www.globalmentoring.com.mx

5. EXECUTE THE PROJECT



SERVLETS AND JSP COURSE

www.globalmentoring.com.mx

EXERCISE CONCLUSION

With this exercise we have seen how to process parameters sent by a form using a Servlet.

The doPost method was implemented, and a different work was done for the doGet method, so if parameters are sent via get they will not be processed since the sending of password by this method is not safe, since the data would be displayed in the URL that is sent to the server, therefore only the doPost method was implemented to process the sent parameters of the form. Although if it is not sensitive information it is possible to process them either by the doGet or doPost method.

ONLINE COURSE

SERVLETS & JSP' S

By: Eng. Ubaldo Acosta



SERVLETS AND JSP COURSE

www.globalmentoring.com.mx