

Laboratory 5

Title of the Laboratory Exercise: HTML and JSP form to implement the functional requirement (Example: Login page and search page)

1. Introduction and Purpose of Experiment

Students will learn to use JSP scriptlet, expression declaration and other JSP actions to

Implement different use cases

2. Aim and Objectives

Aim

Objectives

At the end of this lab, the student will be able to

3. Experimental Procedure

4. Calculations/Computations/Algorithms

login.jsp

```
<%@ page contentType = "text/html; charset=utf-8" %>
<html>
  <head>
    <title>Login</title>
  </head>

  <body style="text-align:center; margin:auto">
    <h1>Login to RUAS LMS</h1>
    <br/>
    <center>
      <form align="center" action="login" method="post">
        <table>
          <tr>
            <td>username</td>
            <td><input type="text" name="username" /></td>
          </tr>
          <tr>
```

```
                <td>password</td>
                <td><input type="password" name="password" /></td>
            </tr>
        </table>
        <br/>
        <input type="submit" value="login" />
    </form>
</center>
</body>
</html>
```

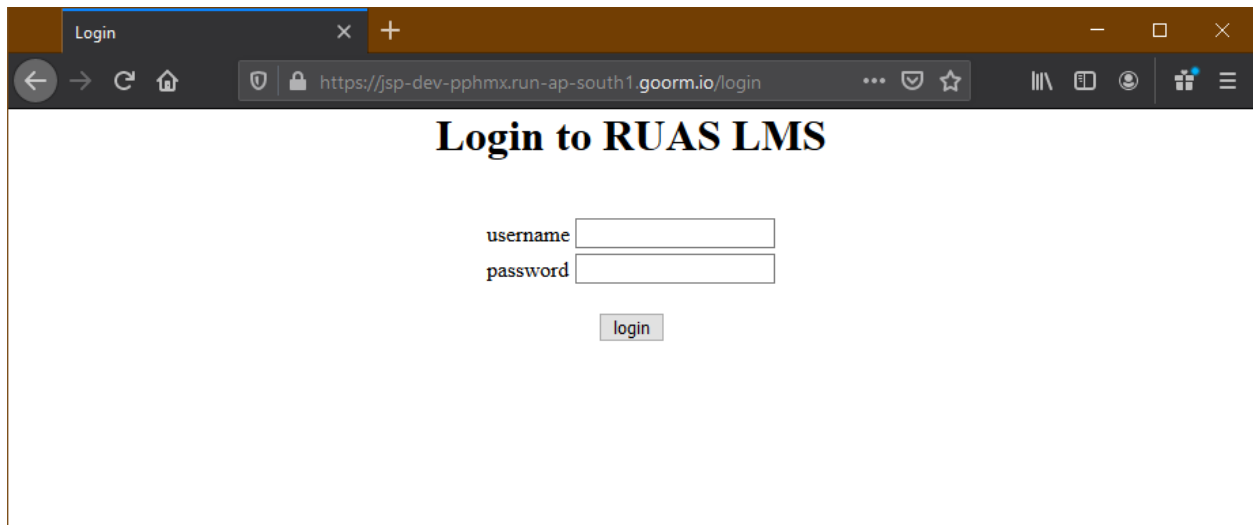
projects.jsp

```
<%@ page contentType = "text/html; charset=utf-8" %>
<html>
    <head>
        <title>Project</title>
    </head>

    <body style="text-align:center; margin:auto">
        <h1>Search for Project Details</h1>
        <br/>
        <center>
            <form align="center" action="search" method="get">
                <table>
                    <tr>
                        <td>usn no</td>
                        <td>
                            <input type="text" name="usnno" />
                        </td>
                    </tr>
                </table>
            </form>
        </center>
    </body>
</html>
```

5. Presentation of Results

Login Page



Login

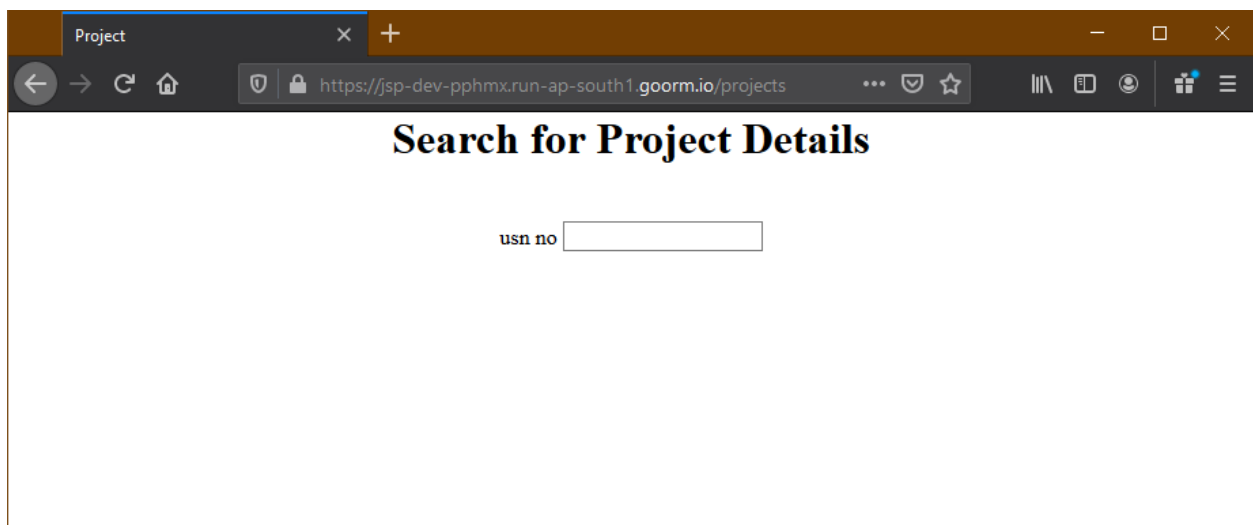
https://jsp-dev-pphmx.run-ap-south1.goorm.io/login

Login to RUAS LMS

username

password

Search Page



Project

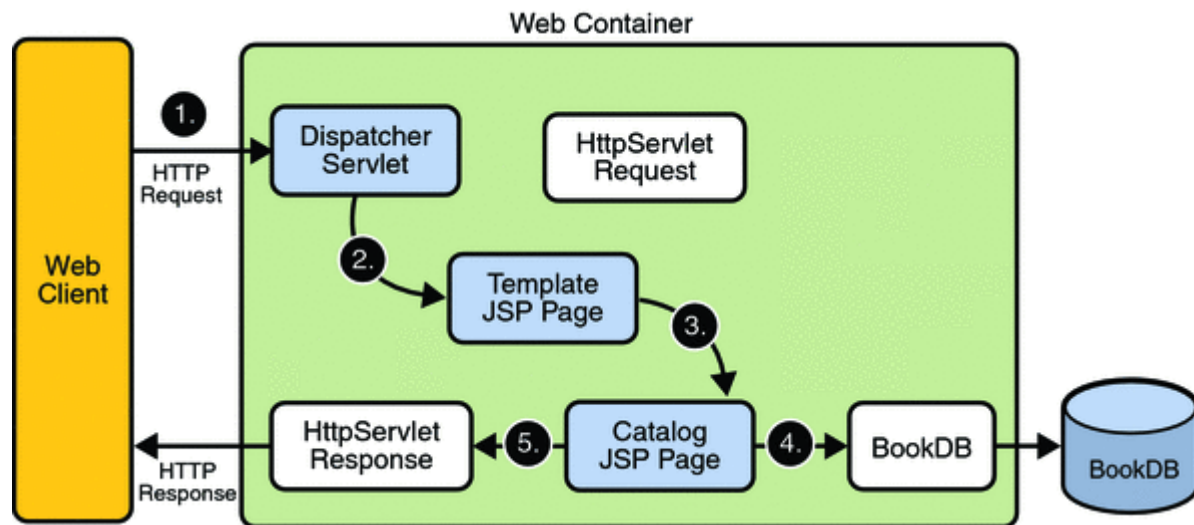
https://jsp-dev-pphmx.run-ap-south1.goorm.io/projects

Search for Project Details

usn no

6. Analysis and Discussions

Java Server Pages (JSP) is a server-side programming technology that enables the creation of dynamic, platform-independent method for building Web-based applications. JSP have access to the entire family of Java APIs, including the JDBC API to access enterprise databases. This tutorial will teach you how to use Java Server Pages to develop your web applications in simple and easy steps.



7. Conclusions

JSP enables us to mix up static HTML with dynamically generated content of servlet. the Take example of an online-shopping website, its initial page is mostly same for all visitors, except small changes like welcome message “Hi Mr / Ms Xxx” for registered users. When we develop this by servlet then we have to develop this entire page by writing coding in the Servlet program. However, JSP makes separate parts for static content and dynamic content.

8. Comments

a. Limitations of Experiments

Because JSP pages are translated, and then compiled into Java servlets, errors that creep in your pages are rarely seen as errors arising from the coding of JSP pages.

The JSP developer would need access to the generated source to properly diagnose the error. Of course, generated code is rarely a thing of beauty, and often, not easily understood.

Because JSP pages are translated into class files, the server has to store the resultant class files with the JSP pages.

b. Limitations of Results

None

c. Learning happened

We learnt how to create login and search pages with JSP and HTML

d. Recommendations

None

Component	Max Marks	Marks Obtained
Viva	6	
Results	7	
Documentation	7	
Total	20	