



Graded Lab Assignment 2 – CSF416_Web Technologies and Applications, ODD Sem, 2024

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Major: B.tech IT

Instructions

- There are **2** questions in this assignment.
- Email/paper/other modes of submissions will not be accepted.
- Upload a word **version** of this document.
- Assignment submitted after due date will not be evaluated and a score of zero will be awarded.
- Plagiarism may lead to award of zero marks.

Due Date: 5pm, 28th October 2024

Submitting this Assignment

You will submit (upload) this assignment in MS Teams. Name this document as GLA1_AJPODD2024_John_Doe.doc in case your name is John Doe, and this graded lab assignment is 1 of course whose acronym is AJP, and offered in ODD 2024. Paste your code after each question, paste the screenshot of output, save and upload the document.

Grading Scheme: This assignment has 5 marks.

Question 1:

JSP with Include and Forward Directives

- Create a JSP page with a **header.jsp** (common header) and **footer.jsp** (common footer).
- Use **<jsp:include>** to include them in the main JSP page

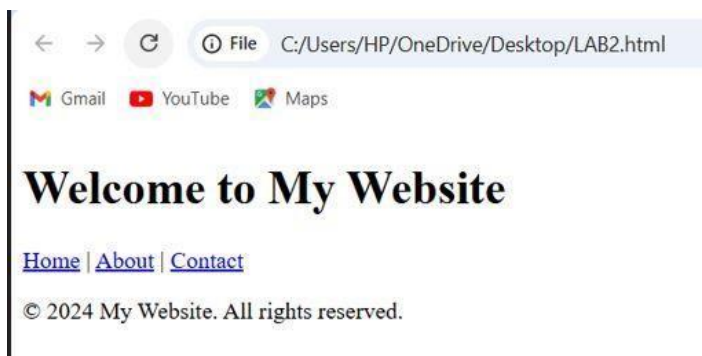
Code

```
<!-- header.jsp -->  
<!DOCTYPE html>
```

```
<html>
<head>
  <title>My Website</title>
  <link rel="stylesheet" type="text/css" href="style.css">
</head>
<body>
  <header>
    <h1>Welcome to My Website</h1>
    <nav>
      <a href="home.jsp">Home</a> |
      <a href="about.jsp">About</a> |
      <a href="contact.jsp">Contact</a>
    </nav>
  </header>
```



```
<!-- footer.jsp -->
<footer>
  <p>&copy; 2024 My Website. All rights reserved.</p>
</footer>
</body>
</html>
```



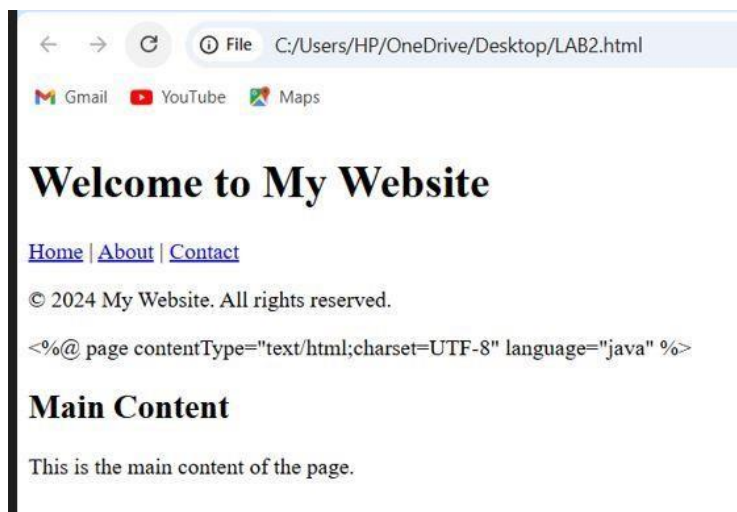
```

<!-- main.jsp -->
<%@ page contentType="text/html;charset=UTF-8" language="java" %>
<jsp:include page="header.jsp" />

<div>
    <h2>Main Content</h2>
    <p>This is the main content of the page.</p>
</div>

<jsp:include page="footer.jsp" />

```



Question 2:

Form Handling in JSP

- Create a JSP page with a form to take user input (name and age).
- On submission, the page should display a greeting based on the user's age (e.g., "Hello, Youngster!" if age < 18).

```

<!DOCTYPE html>
<html>
<head>
  <title>User Greeting Form</title>
</head>
<body>

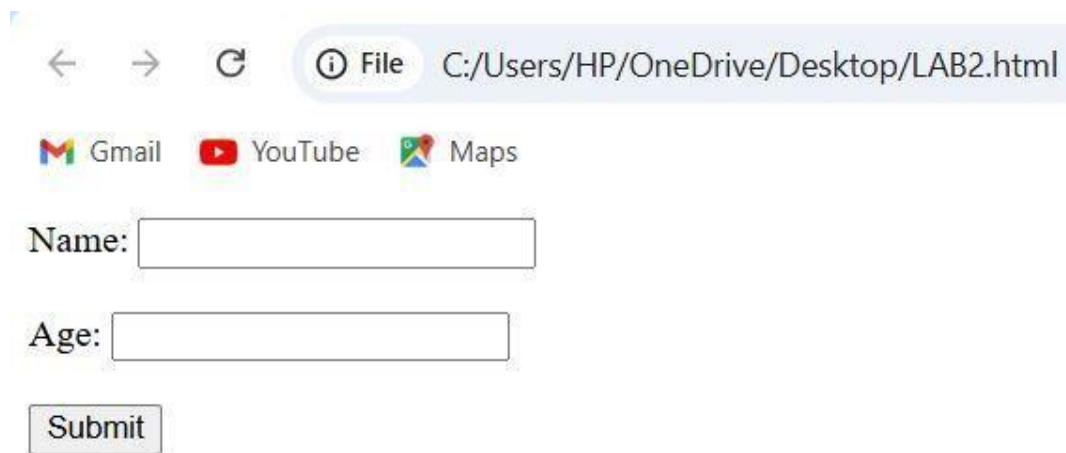
<form method="post" action="inputForm.jsp">
  <label for="name">Name:</label>
  <input type="text" id="name" name="name" required><br><br>

  <label for="age">Age:</label>
  <input type="number" id="age" name="age" required><br><br>

  <input type="submit" value="Submit">
</form>

</body>
</html>

```



The screenshot shows a web browser window with the address bar displaying 'C:/Users/HP/OneDrive/Desktop/LAB2.html'. Below the address bar are icons for Gmail, YouTube, and Maps. The main content area of the browser displays a form with the following elements:

- A label 'Name:' followed by a text input field.
- A label 'Age:' followed by a number input field.
- A 'Submit' button.

```

<!DOCTYPE html>
<html>
<head>
  <title>User Input and Greeting</title>
  <script>
function displayGreeting(event) { event.preventDefault();

```

```
const name = document.getElementById("name").value;
const age = parseInt(document.getElementById("age").value);
let greeting if (age < 18) {
  greeting = "Hello, Youngster!";
} else if (age <= 40) { greeting
= "Hello, Adult!";
} else {
  greeting = "Hello, Wise One!";
}
document.getElementById("greetingMessage").innerHTML = `Hello, ${name}!
${greeting}`;
}
</script>
</head>
<body>
<h2>Enter Your Details</h2>
<form onsubmit="displayGreeting(event)">
<label for="name">Name:</label>
<input type="text" id="name" name="name" required><br><br>
<label for="age">Age:</label>
<input type="number" id="age" name="age" required><br><br>
<input type="submit" value="Submit">
</form>
<h2>Greeting</h2>
<p id="greetingMessage"></p> <!-- This will display the greeting message -->
</body>
</html>
```

Enter Your Details

Name:

Age:

Greeting

Hello, Dipak! Hello, Adult!