



## Graded Lab Assignment 4 – CSF416\_Web Technologies and Applications, ODD Sem, 2024

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### 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: 12pm, 5<sup>th</sup> November 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:

#### Session-Based Visit Counter

- Create a JSP page that keeps track of how many times a user has visited the page during the current session.
- Use session management to store the visit count and display it on the page.

### CODES

```
<html>
<head>
  <title>Session-Based Visit Counter</title>
</head>
```

```
<body>
  <h2>Welcome to the Visit Counter Page!</h2>
  <p>Refresh the page to see the visit count increase!</p>
</body>
</html>
```

```
<!DOCTYPE html>
<html>
<head>
  <title>Visit Counter</title>
</head>
```

```
<body>
  <h1>Welcome to the Visit Counter Page!</h1>
```

```
    Integer visitCount = (Integer) session.getAttribute("visitCount");
if (visitCount == null) {      visitCount = 1;
    } else {
        visitCount++;
    }
    session.setAttribute("visitCount", visitCount);
```

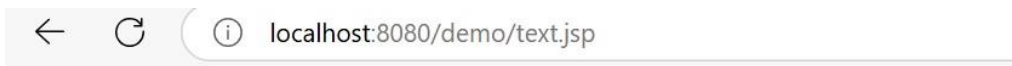
```
    <p>You have visited this page <%= visitCount %> times during this session.</p>
</body>
</html>
```

## OUTPUT



# Welcome to the Visit Counter Page!

You have visited this page 1 times during this session.



# Welcome to the Visit Counter Page!

You have visited this page 2 times during this session.

## Question 2:

### To-Do List with Sessions

- Develop a JSP page where users can add items to a to-do list.
- Store the list in session data and display it on the page, allowing users to see their list as they add items.

## CODES

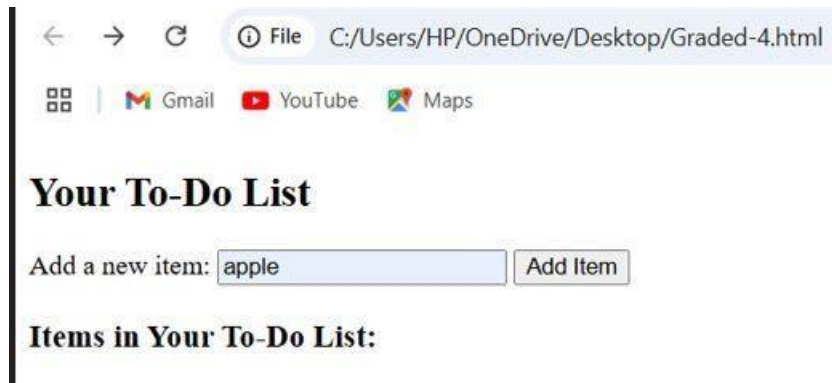
```
<!DOCTYPE html>
<html>
<head>
  <title>To-Do List with Session</title>
</head>
<body>
  <h2>Your To-Do List</h2>

  <!-- Form to add a new item to the to-do list -->
  <form action="ToDoList.jsp" method="post">
<label for="item">Add a new item:</label>
    <input type="text" id="item" name="item" required>
    <button type="submit">Add Item</button>
  </form>

  <!-- Display the current to-do list -->
  <h3>Items in Your To-Do List:</h3>
  <ul>
```

```
String item : todoList
</ul>
</body>
</html>
```

## OUTPUT



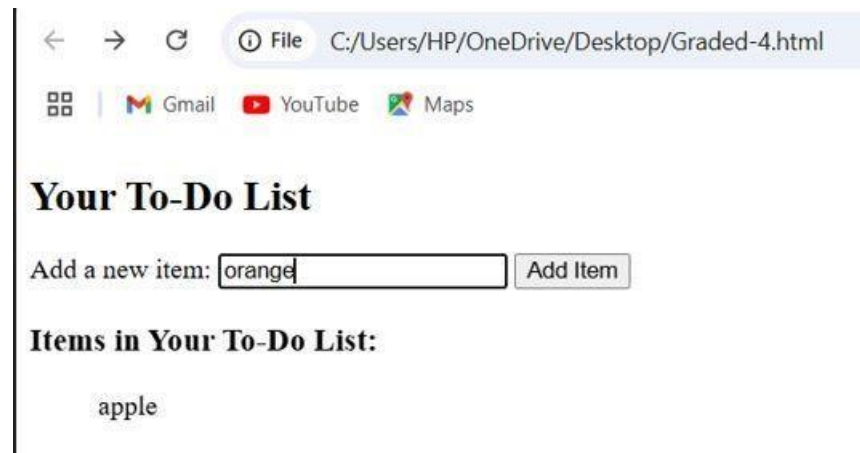
← → ↻ ⓘ File C:/Users/HP/OneDrive/Desktop/Graded-4.html

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### Your To-Do List

Add a new item:

**Items in Your To-Do List:**



← → ↻ ⓘ File C:/Users/HP/OneDrive/Desktop/Graded-4.html

🗖 | 📧 Gmail 📺 YouTube 🗺 Maps

### Your To-Do List

Add a new item:

**Items in Your To-Do List:**

- apple

## Your To-Do List

Add a new item:

### Items in Your To-Do List:

apple  
orange