

Web Engineering Lab

Lab 13**Marks 100****Instructions**

Work on this quiz/lab individually.

You are **NOT** allowed to use internet, mobile phone.

You are **NOT** allowed to borrow anything from your peer student.

Copying/Cheating from any source (e.g., ChatGPT) is **STRICTLY PROHIBITED** and may cause the **CANCELATION/DROP** of your Lab course.

What you have to do

Program the following tasks. The name of your files will be according to the task given in this lab.

Take care of code indentation.

Task**[100]**

In this lab, you will implement session management in your web project to authenticate the users. You must have two types of users in your project: **admin** and a **typical** user. Your task is to ensure that only logged-in users can access their respective pages.

Instructions:

- Please use the previous lab solution to implement this task.
- Enhance your login servlet to create a session and store the user type (admin or typical) upon successful login.
- Check the session validity for protected pages:
 - If the session attribute type is null, redirect to the login page.
 - If type is user, redirect to the simple user homepage.
 - If type is admin, redirect to the admin homepage.
- Use the following syntax to check session values and perform redirections:

```
String type = (String) session.getAttribute("type");  
  
if (type == null) {  
    response.sendRedirect("./login.html");  
} else if ("user".equals(type)) {  
    response.sendRedirect("./SimpleHome.jsp");  
} else if ("admin".equals(type)) {  
    response.sendRedirect("./AdminHome.jsp");  
}
```

😊😊😊 **BEST OF LUCK** 😊😊😊