

**AMERICAN INTERNATIONAL UNIVERSITY-BANGLADESH (AIUB)**

**Faculty of Science and Technology (FST)**

**Department of Computer Science (CS)**

**Course: Web Technologies**

**Lab Task 03: Login Simulation Using Sessions and Cookies**

**Instructions:**

- 1. Complete the task using PHP and HTML only.**
- 2. Use sessions to track login status and cookies to remember the username.**
- 3. Save files with .php extension.**
- 4. Push all files to your GitHub repository after completion.**

Scenario:

You are creating a basic login system that remembers a user during a session using PHP sessions. Additionally, if the user selects “Remember Me”, their username should be stored in a cookie for future visits. This lab helps understand user authentication basics, session persistence, and client-side cookies.

**Task Requirements:**

Create the following files:

- login.php - login form
- process\_login.php - handle login submission
- dashboard.php - protected page
- logout.php – logout page

**Part A: Login Form (login.php)**

1. Create a form with fields:

- Username (text)
- Password (password)
- “Remember Me” checkbox
- Login button

2. Use method="post" and action="process\_login.php"

3. If a cookie named username exists, pre-fill the username field with its value.

**Part B: Process Login (process\_login.php)**

1. Start a session.
2. Hardcode valid credentials (e.g., username: student, password: aiub123).
3. Validate submitted credentials:
  - If valid:
    - Store username in a session variable
    - If “Remember Me” is checked, store username in a cookie (1-week expiration)
    - Redirect to dashboard.php
  - If invalid:
    - Display an error message
    - Provide a link back to login.php

### **Part C: Protected Dashboard (dashboard.php)**

1. Start the session.
2. Check if the session variable for username exists:
  - If yes, display:
    - Welcome message with username
    - Message indicating if a cookie exists for username
  - If no, redirect to login.php
3. Include a logout link pointing to logout.php.

### **Part D: Logout (logout.php)**

1. Start the session.
2. Destroy the session using session\_unset() and session\_destroy().
3. Optionally, delete the username cookie.
4. Display a logout confirmation message with a link to login.php.