

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.