Training Day 15 Report

<u>4 July 2025</u>

The fifteenth day of Web Development training focused on user authentication. We learned how to create a login system using PHP and MySQL, manage user sessions, and protect restricted pages from unauthorized access.

1. Creating a Login System

Built a simple login form that checks user credentials against the database and starts a session upon successful login.

Login Query Example:

```
$sql = "SELECT * FROM alumni WHERE email='$email' AND password='$password'";
```

Note: The concept of password hashing was introduced briefly using password_hash() and password_verify() for secure login.

2. Sessions in PHP

Sessions allow us to track logged-in users across multiple pages.

Session Example:

```
session_start();
$_SESSION['user'] = $email;
```

Also learned how to destroy a session on logout:

```
session_destroy();
```

3. Hands-on Practice

Created a login form with email and password fields

Validated user credentials from the alumni table

Used session_start() to keep users logged in

Designed a logout script to end the session

Restricted access to certain pages if the session wasn't set

4. Relevance to Project

Authentication is a critical part of the Alumni Management Portal. It ensures that only registered alumni or admins can access certain features such as editing profiles, posting events, or viewing alumni directories.

5. Learning Outcomes

Learned how to implement a login/logout system using PHP

Understood session handling and access control

Practiced securing content for authenticated users

Gained knowledge about secure login practices and password handling

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