

# Training Day 9 Report

28 June 2025

The ninth day of Web Development training focused on validating form inputs using HTML5 and basic PHP validation techniques. We learned how to ensure that users enter the correct and complete data before it is processed or stored.

## 1. HTML5 Form Validation

Used built-in HTML5 attributes to validate input fields directly in the browser without needing JavaScript.

Attributes Used:

required – Makes a field mandatory

type="email" – Validates email format

min, max, maxlength, pattern – Control input ranges and format

placeholder, title – Improve user guidance

Example:

```
<input type="email" name="email" required>
```

```
<input type="text" name="name" pattern="[A-Za-z\s]+" title="Only letters allowed">
```

## 2. PHP Server-Side Validation

Learned how to validate form inputs after submission using PHP to ensure security and accuracy.

Topics Covered:

Using isset() and empty() to check inputs

Trimming whitespace with trim()

Validating email with filter\_var()

Showing error messages if inputs are invalid

Example:

```
<?php
```

```
if ($_SERVER["REQUEST_METHOD"] == "POST") {
```

```
$email = trim($_POST["email"]);  
if (!filter_var($email, FILTER_VALIDATE_EMAIL)) {  
    echo "Invalid email format";  
}  
}  
?>
```

### 3. Hands-on Practice

Created a form with name, email, and phone number fields

Applied HTML5 validation for field constraints

Wrote PHP code to check if fields were filled correctly

Displayed custom error messages based on input

### 4. Relevance to Project

Validation is essential for the Alumni Management Portal to ensure only correct data is entered during alumni sign-up, login, and event registrations. It also prevents invalid or malicious input.

### 5. Learning Outcomes

Learned to apply both client-side and server-side validation

Understood the importance of sanitizing and validating data

Practiced writing PHP code to handle incorrect user inputs

Improved the security and reliability of form handling

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