

IT-324 Web Development 3(2-1)

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Here's a structured lesson plan incorporating **Email Control, File Control, Reset Button, and Placeholder Attribute in HTML** with clear **learning objectives and topics**:

Week #3: HTML Form Controls & Attributes

Lecture: Exploring HTML Input Controls & Attributes

Learning Objectives:

By the end of this session, students will be able to:

- ☒ Understand and implement various HTML form input controls.
- ☒ Use **email control** to validate user email input.
- ☒ Implement **file control** for file uploads in forms.
- ☒ Utilize the **reset button** to clear form data.
- ☒ Apply the **placeholder attribute** to improve form usability.

Topics Covered:

1. Email Input Field (`<input type="email">`)

- Ensures users enter a valid email address.
- Built-in validation in modern browsers.

2. File Input Control (`<input type="file">`)

- Allows users to upload files.
- Accepts attributes like `multiple` and `accept` for file type restrictions.

3. Reset Button (`<input type="reset">`)

- Clears all form inputs when clicked.
- Use cases and limitations.

4. Placeholder Attribute (`placeholder="Enter text"`)

- Provides a hint inside the input field.
- Improves user experience but should not replace labels.

Hands-on Activities:

- ◇ Create an **HTML form** with email, file upload, and reset functionalities.
- ◇ Experiment with the **placeholder** attribute for different input fields.
- ◇ Test form validation and behavior in different browsers.

Resources:

📖 [Lecture Notes](#) (Add actual link)

🔗 Reference: *HTML5 Form Controls – MDN Documentation*

Assignments & Tasks:

📁 **HTML Examples:** Review and practice Examples 5.1 - 5.6 to understand the implementation of HTML form controls and attributes. 📝 **Task:** Complete and submit **tasks #1** by the next session.

Week #1: User Input in HTML: Forms and Controls

Lecture 1: Understanding & Using Network Troubleshooting Tools

Learning Objectives:

By the end of this lecture, students will be able to:

- ☑ Identify and describe key network troubleshooting tools.
- ☑ Use **ping**, **tracert**, and **nslookup** to diagnose network issues.
- ☑ Interpret the results of these tools to troubleshoot connectivity problems.

Topics Covered:

1. Overview of Network Troubleshooting Tools

- Understanding how **ping**, **tracert**, and **nslookup** work.
- When and why to use each tool.

2. Hands-on Activity: Troubleshooting Network Issues

- Practical demonstration of each tool.
- Real-world scenarios: diagnosing latency, DNS failures, and unreachable hosts.

Resources:

📖 [Lecture Notes](#) 🔗 Reference Book: *Networking Essentials*, Chapter 5

Assignments & Tasks:

📁 **Examples:** Work through **Examples 5.1 - 5.6** from the reference book.

📝 **Task:** Complete and submit **tasks 5.1 - 5.5** by the next session.