

# Day 1 – Front-End Development Progress Report

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## 1. Objective

The goal of today practice was to build a **basic HTML webpage** to explore and understand the fundamental tags and structures used in front-end development. This exercise helped in learning how different elements of HTML are used to structure, present, and link content on a website.

## 2. Work Completed

### a) Basic Webpage Setup

- Declared `<!DOCTYPE html>` with proper `<html>`, `<head>`, and `<body>` structure.
- Added meta tags for **charset** and **viewport** (responsive design).
- Linked an external **CSS file** (practice.css) for styling.
- Set a **favicon** (White.jpg).

### b) Page Header and Navigation

- Created a **header** section with a welcoming message.
- Added a **navigation bar (nav)** with links:
  - Home
  - About
  - Services
  - Career

### c) Text Formatting & Semantic Tags

Used a wide range of HTML tags to understand their purpose:

- `<strong>`, `<em>`, `<b>`, `<i>` → Emphasis and bold text
- `<del>`, `<ins>` → Deleted and inserted text
- `<sup>`, `<sub>` → Superscript & subscript

- `<q>`, `<blockquote>`, `<cite>` → Quotes and references
- `<abbr>` → Abbreviations (e.g., WHO)
- `<address>` → Contact information
- `<bdo>` → Bi-directional override (LTR/RTL text control)
- `<mark>`, `<small>` → Highlighted and smaller text

#### d) Lists and Tables

- Ordered List (`<ol>`) → Services
- Unordered List (`<ul>`) → Staff members
- Table (`<table>`) → Student details with `<caption>`, `<th>`, `<tr>`, `<td>`

#### e) Media Elements

- Added an **image with a clickable map** (`usemap` + `<area>`) for Computer, Phone, Coffee.
- Embedded a **YouTube video** with `<iframe>`.
- Practiced `<pre>` for preformatted text.

#### f) Forms & User Input

Created a **registration form** including:

- Text fields (Name, Father Name)
- Date input (DOB)
- Radio buttons (Gender)
- Number input (CNIC)
- Textarea (About Yourself)
- Dropdown list (Select City)
- Checkboxes (Bike, Hafiz-e-Quran, Experience)
- Submit and Reset buttons

#### g) Footer Section

- Added copyright notice
- External links: Google, YouTube, Wikipedia, Amazon
- Internal link navigation (Go to Objective)

### 3. Key Learnings

- Learned the structure of an HTML document.
- Explored **semantic tags** and their practical use.
- Implemented **navigation menus and hyperlinks**.

- Practiced **form creation** for user input collection.
- Used **tables, lists, and multimedia elements** effectively.
- Understood **bidirectional text handling** with `<bdo>`.

**Conclusion:**

Today's work laid a strong foundation in **HTML** fundamental. Explored a wide range of tags and successfully built a Multi Section Web Page with navigation, content, media, forms, and footer links.