

HTML5 Essentials

Web App Dev Guide · Module 2 of 8 · CHERIEDU Dev Series

1. HTML — The Skeleton of Every Web Page

HTML (HyperText Markup Language) uses tags to define structure. Every element on a webpage — headings, paragraphs, images, buttons, forms — is an HTML tag.

2. Basic HTML Structure

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <title>My Web App</title>
  </head>
  <body>
    <h1>Welcome to CHERIEDU</h1>
    <p>Building the future of education.</p>
    <a href="about.html">Learn More</a>
  </body>
</html>
```

3. Semantic HTML5 Elements

Tag	Purpose	Example Use
<header>	Page or section header	Logo, navigation
<nav>	Navigation links	Menu items
<main>	Primary page content	Main article area
<section>	Grouped related content	Feature list
<article>	Self-contained content	Blog post
<footer>	Page footer	Copyright, links

4. HTML Forms — Collecting User Input

```
<form action="/submit" method="POST">
  <input type="text" placeholder="Your Name" required>
  <input type="email" placeholder="Email" required>
  <select>
    <option>School</option>
    <option>Individual</option>
  </select>
  <button type="submit">Send</button>
</form>
```

5. Common HTML Mistakes to Avoid

- Forgetting to close tags: `<div><p>text</div>` — the `</p>` is missing.
- Using `
` and ` ` for spacing — use CSS instead.
- Missing alt attributes on images — important for accessibility and SEO.
- Nesting block elements inside inline elements (e.g. `<a>` wrapping a `<div>`).

PRACTICE

Build a contact form for [CHERIEDU.COM](https://cheriedu.com) with: Name, Email, School Name, Phone Number, and a "Request Demo" button. Use semantic HTML throughout.

