HTML5 AND CSS

- The languages & tools of web development
- Key concepts (e.g URL, HTTP, DOM, e.t.c)
- How websites work
- Inspect network traffic using DevTools
- Basics of HTML & CSS
- Validating web pages

The languages & tools of web development

- Languages
  - **HTML (Hypertext Markup Language):** Markup Language
  - **CSS (Cascading Stylesheet):** Styling Language
  - **JavaScript:** Programming Language
- Frameworks/Libraries
  - **React:** Library
  - **Angular:** Framework
  - **Vue:** Framework
- Version Control Systems: To keep track of project history and work collaboratively with others.
  - Git
  - Subverion (SVN)
  - Mercurial

Key concepts

- **URL (Uniform Resource Locator):** Basically, it's a way to locate a resource on the internet, resources can be:
  - Web pages (HTML documents)
  - Images
  - Video files
  - Fonts e.t.c.
- **HTTP (Hypertext Transfer Protocol):** is a language that clients and servers use to talk to each other.
- **HTTPS (HTTP + Encryption):** messages exchanged between the client and the server are encrypted.
- **DOM (Document Object Model):** This is a model that represents the objects or elements in the HTML document. These element are all the building blocks of the page, like paragraphs of text, images, links e.t.c.

Basics of HTML

- **!DOCTYPE html:** Document Type
- HTML not case sensitive.
- Opening and Closing tags
- Head element give information about the page.
- Title element

Validating web pages

Validator