

**HTML (HyperText Markup Language)** – A markup language used to structure *content* on the web using elements like headings, paragraphs, and links.

**CSS (Cascading Style Sheets)** – A styling language that controls the *appearance* of web pages, including layout, colors, and spacing.

**JavaScript (JS)** – A programming language that adds *interactivity* and dynamic behavior to websites.

**DOM (Document Object Model)** – A representation of a webpage as a *tree structure*, allowing scripts to modify elements.

**Frontend Development** – The process of building the parts of a website users *see* and *interact* with.

**Backend Development** – The server-side logic that manages *data*, *authentication*, and *processing* behind the scenes.

**API (Application Programming Interface)** – A system of rules that allows software components to *communicate* with each other.

**Responsive Design** – A design approach that allows websites to adapt to different screen sizes and *devices*.

**Framework** – A prebuilt structure that provides *tools* and *patterns* to simplify development (e.g., React, Django).

**Library** – A collection of reusable *functions* or *components* designed to streamline common tasks.

**Git** – A version control tool that tracks *changes* in code and supports collaboration.

**Repository (Repo)** – A storage space where *project files* and their history are maintained.

**HTTP (Hypertext Transfer Protocol)** – A protocol that governs how *data* is transferred between web clients and servers.

**HTTPS** – A secure version of HTTP that uses *encryption* to protect transferred information.

**REST (Representational State Transfer)** – An architectural style for APIs that uses standard HTTP methods to manage *resources*.

**Full-Stack Development** – The practice of working on both the *frontend* and *backend* of a web application.

**Web Hosting** – A service that provides the servers and infrastructure required for websites to be available online.

**Browser Rendering Engine** – Software that interprets code and transforms it into a *visual* webpage.