

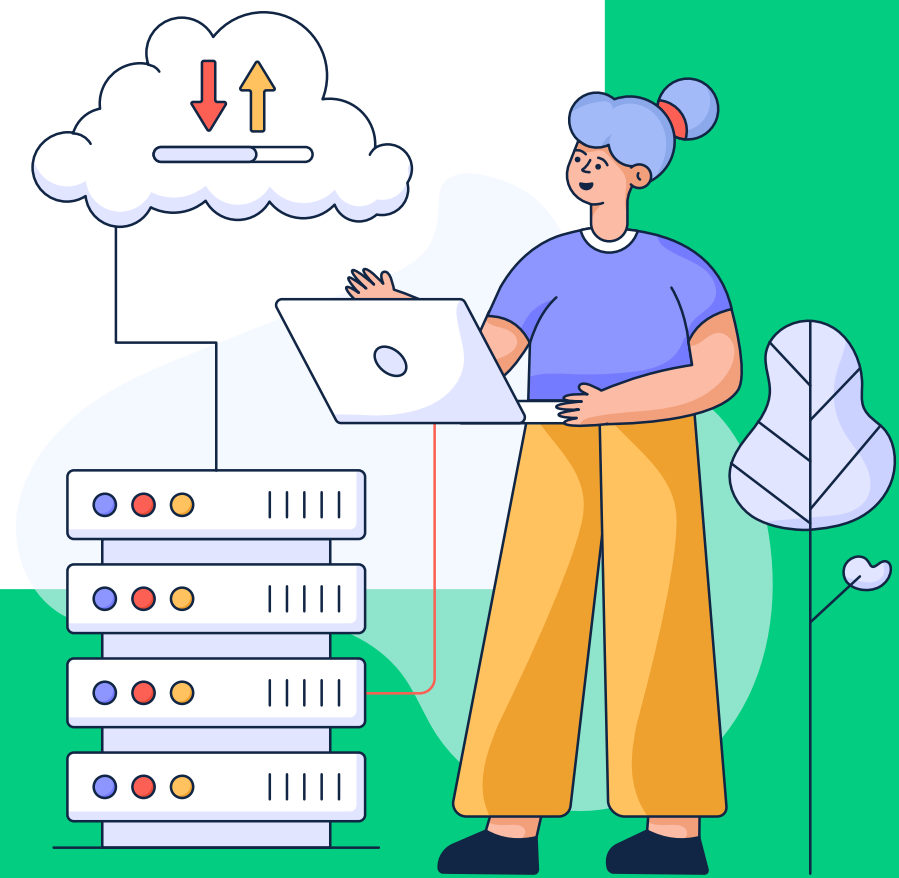
Intro to Coding

WEEK 1

WEB DEV OVERVIEW

Definition of Web Development

Web development is the process of creating and maintaining websites or web applications.



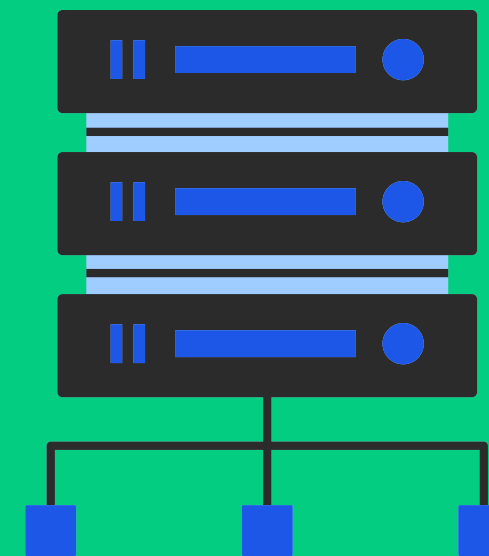
WEB DEV OVERVIEW

Front End vs Back End

User Interface or UI

Logic Behind the Scenes

Sign Up



WEB DEV OVERVIEW

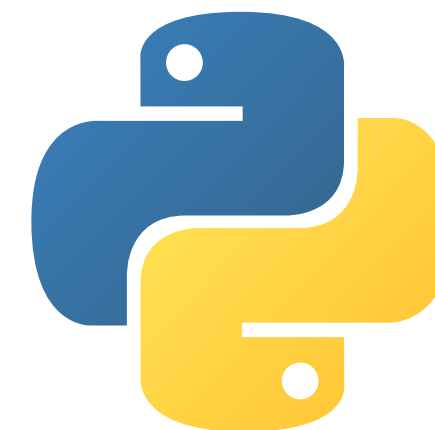
Languages and Tools

- HYPERTEXT MARKUP LANGUAGE (HTML)
- CASCADING STYLE SHEETS (CSS)
- JAVASCRIPT (JS)
- PYTHON

HTML



CSS



WEB DEV OVERVIEW

More Topics

Web Hosting

Version Control

Javascript Libraries

Javascript Frameworks

HTML

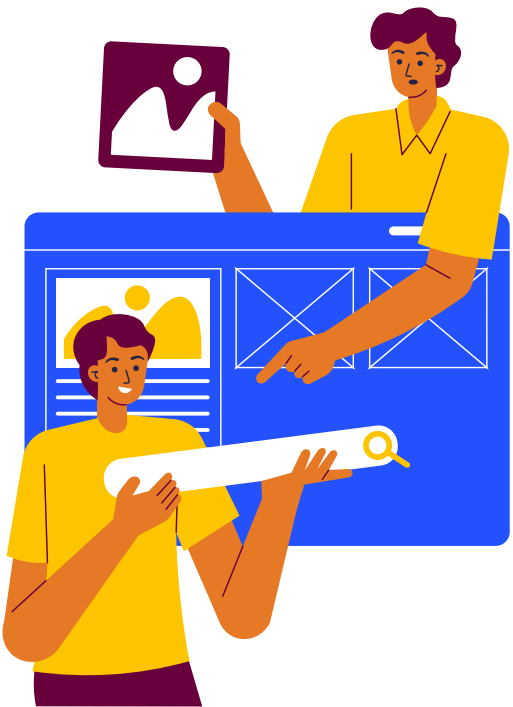
- **Structure:** Provides the basic structure of web pages.
- **Elements:** Consists of elements represented by tags (e.g., `<p>`, `</p>`).
- **Content:** Houses the content visible to the end-users.
- **Links:** Allows linking to other web pages or resources.

"Skeleton of the Website"



CSS

- **Styling:** Controls the look and feel of HTML elements.
- **Layout:** Manages layout of web pages (e.g., grid, flexbox).
- **Responsive Design:** Adjusts design based on different screen sizes.
- **Themes:** Allows for easy theming and customization.
- **Selectors and Properties:** Uses selectors to target HTML elements and apply properties like color, font, etc.



JavaScript

- **Interactivity:** Enables interactive features
- **DOM Manipulation:** Allows dynamic modification of HTML and CSS.
- **Events:** Listens and responds to user actions like clicks, key presses.
- **Frameworks and Libraries:** Extends functionalities through libraries (e.g., jQuery) and frameworks (e.g., React, Angular).



The image features a white background with colorful geometric shapes in the corners. The top-left corner has a green triangle with a black grid pattern. The top-right corner has a green triangle, an orange semi-circle, and a blue circle. The bottom-left corner has a blue triangle, a yellow semi-circle, and a blue circle. The bottom-right corner has a green triangle and a blue circle. The text "Lets get started!" is centered in a bold, orange, sans-serif font.

Lets get started!