# About web development

Web developent is the method or technique of deveopment of single or multiple web pages and host them.Web development is the work involved in developing a website for the Internet (World Wide Web) or an intranet (a private network). Web development can range from developing a simple single static page of plain text to complex web applications, electronic businesses, and social network services.Website development is the process of designing, developing, and maintaining a website.

Essentially, the difference between web development and website design is that the designer in website design designs the user interface of the website. Web development refers to the building, creating, and maintaining of websites. It includes aspects such as web design, web publishing, web programming, and database management. It is the creation of an application that works over the internet i.e. websites.The word Web Development is made up of two words, that is:

Web: It refers to websites, web pages or anything that works over the internet.

Development: Building the application from scratch.

## Importance of Web Development

- Makes navigation easy

- Content and Visual Elements

- Consistency is maintained

- Get to win with SEO

- Increase in sales

- Attracts Lifetime Clients To Your Business

- Sets the impression for customer service

- Improves Your Business

- Extend Your Reach

- Resourceful in Marketing and Advertising

## Frontend and Backend

## Frontend

The part of a website that the user interacts directly is termed as front end. It is also referred to as the 'client side' of the application.

- HTML: HTML stands for HyperText Markup Language. It is used to design the front end portion of web pages using markup language. It acts as a skeleton for a website since it is used to make the structure of a website.

- CSS: Cascading Style Sheets fondly referred to as CSS is a simply designed language intended to simplify the process of making web pages presentable. It is used to style our website.

- JavaScript: JavaScript is a scripting language used to provide a dynamic behavior to our website.

- Bootstrap: Bootstrap is a free and open-source tool collection for creating responsive websites and web applications. It is the most popular CSS framework for developing responsive, mobile-first websites. Nowadays, the websites are perfect for all the browsers (IE, Firefox, and Chrome) and for all

sizes of screens (Desktop, Tablets, Phablets, and Phones).

- Bootstrap 4

- Bootstrap 5

## Backend

Backend is the server side of a website. It is the part of the website that users cannot see and interact. It is the portion of software that does not come in direct contact with the users. It is used to store and arrange data.

- PHP: PHP is a server-side scripting language designed specifically for web development.

- Java: Java is one of the most popular and widely used programming language. It is highly scalable.

- Python: Python is a programming language that lets you work quickly and integrate systems more efficiently.

- Node.js: Node.js is an open source and cross-platform runtime environment for executing JavaScript code outside a browser.

## Frameworks

Frontend frameworks are:

- AngularJS

- React.js

- VueJS

- jQuery

- Bootstrap

- Material UI

- Tailwind CSS

- jQuery UI

Backend frameworks are:

- Express,

- Django,

- Rails,

- Laravel,

- Spring,