

Web Technology System:

Web technology encompasses a wide array of tools and methods that enable communication between various devices connected over the Internet. When we want to visit web pages, we use something called a web browser. Think of web browsers as special programs that allow us to see and interact with content on the Internet. They're like windows through which we view text, images, videos, and more. With web browsers, we can easily access linked resources on the World Wide Web, making it simple to explore and navigate the vast online world.

Web Technology can be Classified into the Following Sections:

World Wide Web (WWW):

The World Wide Web is like a giant collection of digital information accessible through the Internet. It's made up of web browsers (like Chrome or Firefox), special code called HTML, and a system for transferring data called HTTP.

Web Browser:

A web browser is a special computer program that helps you explore the World Wide Web. It's like a window that lets you see websites and other online content. When you type a web address into a browser, it sends a request to a web server for the information you want to see.

Web Server:

A web server is another computer program, but this one is responsible for storing and sending out web pages. It listens for requests from web browsers and sends back the files that make up websites. This communication happens using a language called HTTP.

Web Pages:

Web pages are like digital documents that you can view on the Internet using a web browser. They can contain text, images, videos, and other types of content. Anybody with an internet connection and a web browser can access web pages.

Web Development:

Web development is the process of creating and maintaining websites. It involves different tasks like designing how a website looks, writing code to make it work, and managing databases to store information. Basically, it's about building applications that can be used on the internet, like websites.

These are the basic components and concepts of web technology that help us navigate and interact with the Internet every day.

Web Development can be Classified into Two Ways:

1. Frontend Development
2. Backend Development

1. Frontend Development

Frontend Development: Frontend Development, often called the "client side," is the portion of a website that users directly interact with. It's what you see and interact with when you open a website in your web browser.

. Frontend development is typically made using a combination of languages and technologies--->

HTML | CSS | Java Script

[JAVA SCRIPTS: Frameworks]

1. Angular js
 - . Angular ngx Bootstrap
 - . Angular PrimeNG
 - . Angular Material UI
2. Vue.js
 - . Nuxt.js

[JAVA SCRIPTS: JavaScript Libraries]

1. jQuery
2. React js

2. Backend Development

Backend, often referred to as the "server side," is the unseen portion of a website that users do not directly interact with. It's responsible for handling tasks behind the scenes, such as storing

and organizing data, processing user requests, and managing the overall functionality of the website.

1. PHP
2. Node.js
3. Python
4. Ruby
5. Java
6. Golang
7. C#
7. Storage

1. PHP

. [PHP Framework]:

Laravel

Symfony

CodeIgniter

. [PHP CMS]:

WordPress

2. Node.js

. [Node.js Framework]:

Express js

3. Python

. [Python Framework]:

Flask

Django

. [Python Package Manager]:

PIP

Anaconda

4. Ruby

. [Ruby Framework]:

Ruby on Rails

5. Java

. [Java Framework]:

Spring

Hibernate

6. C#

. [C# Framework]:

.NET

7. Database:

Relation Database

Postgre SQL

MariaDB

MySQL

NoSQL Database

MongoDB