Web development 1 section 1

Eng . Doaa Ismail

Eng . Manar Hassan

What Is Website Development?

- Web development is the process of creating and
- maintaining websites using technologies like HTML, PHP, and JavaScript.

The Difference Between Web Development And Web Design

Web Development

describes the technical work of creating a website.

Web Design

be focused on what a site looks like and how users interact with the site.

The Two Categories Of Web Development

Front-End Development.

Back-End Development.

Front-End Development

Back-End Development

- create everything a site
 visitor experiences
 through their browser.
- is also referred to as client-side development.
- ▶ Knowledge of HTML, CSS, and JavaScript is fundamental to front-end web development.

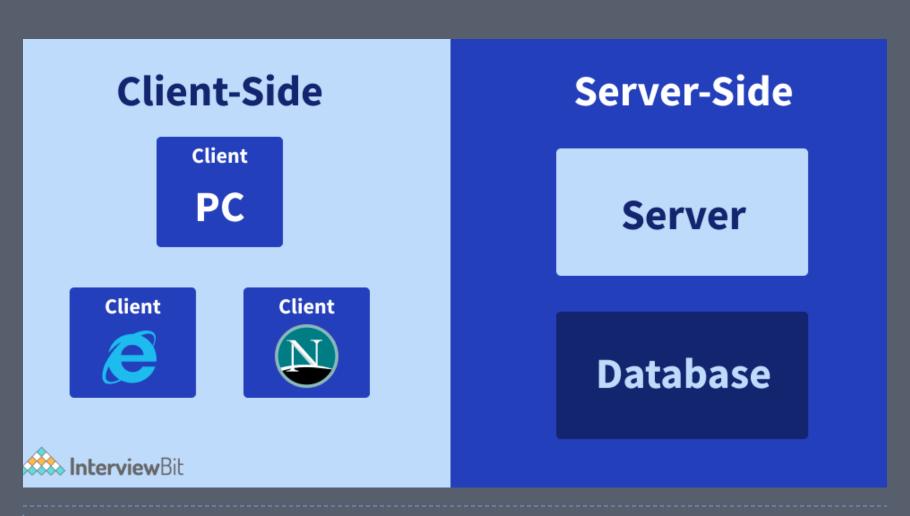
- refers to the website code that runs on the server.
- is also referred to as server-side development
- Programming and scripting languages like PHP, JavaScript, and Python are typically a part of backend development.

Server-side Development

- means that the processing takes place on the user's computer.
- The client side is used as the front end, where the user gets to see what we have browsed.
- Languages used: HTML, CSS, JavaScript

- means that the processing takes place on a web server.
- The server side is used as a back end where data is processed and is not visible to the client user.
- Languages used: PHP, ASP.net, Python.

Client-side vs. server-side



Programs we need

- Code Editors
- VSCode



Notepad++



Atom



Brackets



Browsers





Firefox



Brave



Mobile applications you may need



TrebEdit -Mobile HTML Editor



Notepad



HTML Code Play



HTML Viewer

What Is A content management system (CMS)?

- A content management system is a functionality that allows administrative users to update, maintain, create, and manage their own content without having to get into the code or have a developer do it for them.
- A content management system is a powerful thing that saves time, money, and effort when it comes to being able to add and update text, images, videos, pages, and important page elements and structure to your website.

CMS Features

Create pages.

- F
- Manage navigation.
- Edit text.
- Upload and manage images.
- Upload and manage video content.
- Manage product information.
- Contact forms.
- Blog content.
- Style and theme management.

- Analytics and reporting tools.
- Dashboards.
- SEO and marketing tools.
- Integrations.
- Content staging.
- Approval processes.
- Private content.
- Third-party security and support.

Popular Content Management Systems

WordPress



Wix



Shopify



Squarespace



Webflow



ANY QUESTIONS