# Web development 1 section 1

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# 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

- 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.

## Back-End 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 back-end development.

# Client-side Development  Server-side Development

| Client-side Development | Server-side Development |
|---|---|
| ▸ means that the processing takes place on the user's computer. 💬 | ▸ means that the processing takes place on a web server. 💬 |
| ▸ The client side is used as the front end, where the user gets to see what we have browsed. 💬 | ▸ The server side is used as a back end where data is processed and is not visible to the client user. 💬 |
| ▸ Languages used: HTML, CSS, JavaScript | ▸ Languages used: PHP, ASP.net, Python. |

# Client-side vs. server-side

# Programs we need

**▶ Code Editors**

- VSCode

- Notepad++

- Atom

- Brackets

Brackets

**▶ Browsers**

- Google Chrome

- 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.
- 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