



Web Fundamentals Checkpoint

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Table of Contents

01

How does the web work?

02

What do you need to be a web developer?

03

Why did you choose to learn web development?



How does the web work?

The web works through a system of clients, servers, and the internet. When you type a URL into a web browser, the browser (client) sends a request to a web server using the HTTP or HTTPS protocol. The server processes this request and returns the requested content, such as a web page, which the browser then displays. The Domain Name System (DNS) translates the URL into the server's IP address, acting like a directory to find the exact location of the website on the internet. This entire process enables seamless access to websites and interaction with online content.



Learning

Developing



Technology

What do you need to be a web developer?

To be a web developer, you need technical skills. Any web developer should master HTML, CSS, and JavaScript for building and styling websites, along with knowledge of frameworks like React, Tailwind... and backend technologies like Node.js., flask and more. Familiarity with version control systems like Git and databases such as MySQL or MongoDB is also essential. Additionally, strong problem-solving skills, creativity, and the ability to communicate effectively are important for collaborating with teams and understanding user needs and the code base.





Why did you choose to learn web development?

I chose to learn web development because it offers excellent job opportunities in a rapidly growing field. With the increasing demand for skilled developers, mastering web development gives me a solid path to secure a stable and fulfilling career. Combining this with my passion for technology, I'm motivated to build the skills needed to stand out and create a successful future in this industry.