

Writing Exercise: The Role of JavaScript, PHP, and HTML in Web Development

Web development is a multifaceted field that involves various technologies working together to create functional and dynamic websites. We will see what is web development and the role of each programming language used to create a website.

Web development represents the necessary work to create a web site. A web site can be composed of one or multiple page each of them containing simple or complex code.

A web page can interact with a database located on a dedicated server, we can notice two parts inside a website: a client side and a server side.

In the client side we use certain programming language, especially HTML, CSS and JavaScript language.

HTML (HyperText Markup Language). allows to structure code with tags which are used to display titles, text, pictures, links, and more on a web page.

It's almost always use with CSS (Cascading Style Sheets) to style a web page, JavaScript to add dynamic interactions (in client side). For instance, when you click on a button, when a picture zooms when you hover with mouse cursor, etc.

PHP (Hypertext Preprocessor) is a language used on the server side for building websites. It's added to HTML and is great for making web pages dynamic, which means they can change and respond to users. PHP can connect to databases, handle form submissions, create dynamic content, and manage user sessions. By running the code on the server before showing it to the user, PHP helps make websites fast and secure.

HTML, JavaScript, and PHP work together to create robust and interactive websites. HTML provides the structure of the web pages, using various tags. JavaScript is used to add interactivity on the client side, responding to user actions. PHP operates on the server side, handling tasks such as database interactions and user authentication.