

Tools used for front end development

There are several tools available that can be used to develop the front end of a website, and understanding which tools need are best fit for which task means the difference between a hacked site and well designed and scalable site.^[3]

HyperText Markup language (HTML)

HyperText Markup Language is the backbone of any website development process, without which a web page doesn't exist. It is the HTML code that provides an overall framework of how the site will look. The latest version of HTML is called [HTML5](#) which has new and efficient way of handling elements such as video and audio files.

Cascading Style Sheets (CSS)

[Cascading Style Sheets](#) (CSS) controls the presentation aspect of the site and allows your site to have its own unique look. It does this by maintaining style sheets which sit on top of other style rules and are triggered based on other inputs, such as device screen size and resolution.

JavaScript

[JavaScript](#) is an event-based [imperative programming](#) language (as opposed to HTML's [declarative language](#) model) that is used to transform a static HTML page into a dynamic interface. JavaScript code can use the [Document Object Model](#) (DOM), provided by the HTML standard, to manipulate a web page in response to events, like user input.

Using a technique called [AJAX](#), JavaScript code can also actively retrieve content from the web (independent of the original HTML page retrieval), and also react to server-side events as well, adding a truly dynamic nature to the web page experience.

Goals for Front end development

The developer of the front end keeps these points in mind, utilizing available tools and techniques to reach this end.

https://en.wikipedia.org/wiki/Front_end_development