

pages, such as form validation, image sliders, and pop-up windows. It can also be used to create dynamic effects, such as animation, and to make web pages more responsive to user input. JavaScript can be run on all major web browsers and is supported by all major web development platforms. It is also widely used for creating web and mobile apps, using frameworks such as React, Angular and Vue.js. JavaScript is also commonly used on the server side, using Node.js.

Cascading Style Sheets

CSS (Cascading Style Sheets) is a stylesheet language used for describing the presentation of a document written in a markup language. It is most used to style web pages written in HTML and XHTML, but can also be applied to any kind of XML document, including plain XML, SVG and XUL. CSS allows developers to separate the presentation of a document from its content, making it easier to maintain and update. It provides a wide range of styling options, including colours, fonts, layouts, and animations. CSS can be written in separate files or included within the HTML document itself. CSS has various levels such as CSS1, CSS2, CSS3 and the latest CSS4, each level added new features and capabilities. With the latest CSS3, it brings new layout modules such as Flexbox and Grid, animations, and responsive design capabilities to create a better web page layout and design. Overall, CSS plays a vital role in web development and design, as it allows developers to create visually appealing and well-structured web pages that are easy to navigate and use.

HyperText Markup Language

HTML (Hypertext Markup Language) is the standard markup language used to create web pages. It consists of a series of tags and attributes that are used to define the structure and content of a web page. HTML tags are used to create the basic structure of a web page, such as headings, paragraphs, lists, and links, while attributes are used to provide additional information about the elements on a web page, such as id, class, and style. HTML documents are typically viewed in web browsers, and can be created and edited using text editors or specialized software such as Adobe Dreamweaver.