Explain the difference between a static web page and a dynamic web page

**Static Websites**:

* They are straightforward and built using HTML, JavaScript, CSS, etc.
* The content remains unchanged unless manually edited.
* The server sends the same content to every user.
* Updates or changes have to be made individually for each page.
* They are best suited for sites with less pages and infrequent updates.

**Dynamic Websites**:

* They are built using languages like CGI, AJAX, ASP, ASP.NET, etc.
* The content can vary for different users.
* The server generates pages based on user interactions or database data.
* Loading time is typically longer than static pages.
* They are ideal for information that changes often, like stock prices or weather updates.
* The content can change according to the user.

In a nutshell, static websites are quick to load and easy to build but lack flexibility. Dynamic websites, on the other hand, offer personalized content and are more flexible, but they are more complex and take longer to load.