* Web is the common name for the World Wide Web.
* Many people assume that the Web is the same as the Internet.
* the internet refers to the global communication system, including hardware and infrastructure, while the web is one of the services communicated over the internet.
* Internet is a global network of computers.
* computer connected to the Internet **must** have a unique address.

This address is known as an IP address.

* There are millions upon millions of servers on the Internet. Servers store information. There are file servers, mail servers and web servers. The Internet is also made up of routers. Routers simply make connections between different systems. For instance, at work or school, where several computers are networked, you are connected to one router – a single point of entry for the Internet
* The moment you enter this address in your browser and you hit ENTER, a lot of different things happen:

1. The URL gets resolved
2. A Request is sent to the server of the website
3. The response of the server is parsed
4. The page is rendered and displayed

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While there are no formal or specific qualifications required to become a web developer, a numerate degree in a subject such as maths or science will be useful.

You should also ideally have an aptitude for - or experience of - elements such as:

* User experience (UX)
* User interface (UI)
* Visual design
* Coding languages including HTML and CSS
* Frontend web programing languages and skills such as JavaScript, Ajax and web animation techniques
* Backend web programing languages such as C# or Java, PHP and Ruby
* The role is responsible for designing, coding and modifying websites, from layout to function and according to a client's specifications. Strive to create visually appealing sites that feature user-friendly design and clear navigation.