**Web Application Technologies and Django**

**What is Internet ?**

You can think about it like it’s a long wire where a lot of computers are connected and they can communicate with each other through this wire .

**Web Application Technologies**

Here we have two parts

* Browser : HTML ,CSS,JS
* Web Server : Django , MySQL

**Network Sockets**

We can think about it as a phone call where we know the other’s address and we dial it . In internet it’s the same where we know the address and we put it into a browser and the browser connect us with it’s server computer.

<http://en.wikipedia.org/wiki/Internet_socket>

<http://en.wikipedia.org/wiki/TCP_and_UDP_port>

**HTTP – HyperText Transfer Protocol**

* The dominant Application Layer Protocol on the Internet
* Invented for the Web - to retrieve HTML, Images, Documents, etc.
* Extended to handle data in addition to documents - RSS, Web Services, etc.
* Basic Concept: Make a connection - Request a document - Retrieve the document - Close the connection
* Internet and sockets were created in the 1970's, HTTP was invented in 1990 and is an application protocol that runs atop sockets.

<https://en.wikipedia.org/wiki/HTTP>

**How Websites work ?**

Websites are deployed in server computers which contains all your codes and resources and this have a address / domain name which is unique . So whenever someone search your website browser actually sends a HTTP request to the server and server returns a response which contains HTML,CSS and JS . That’s when we see the page in our browser .