**Difference between internet and web :**

Internet :global network connecting millions of computers.

Each internet computer is indépendant . any computer can communicate with other computer if they’re connecting to the internet

Web :use http protocol , they use web to share informations , the web use also browsers ( chrome, firefox..) . THE WEB IS A PART OF THE INTERNET

**Web architecture**

web is a serie of interactions between CLIENTS and SERVERS

client : clients are not connected directly to the internet, they’re connected to internet throught the ISP

servers :connected directly to the internet and web pages, the’re different types of servers mail servers,web servers and virtuels servers.

Servers identifiers :any machine ( client or server) connected to internet has an IP address that represents it.

DNS : is a service that make it possible to associate a website with an IP address ( in smartphone you can associate a telephone number with his person’s name)

**Protocol :**

The network protocol control the network of communication from sending and receiving messages.

The network protocol will specify : the format of data packet, the addressing system, error checking procedure used.

http protcol : (hypertext transfert protocol)

when you enter a URL in your browser this sends a http command to the web server

the most common methods are : GET (back data from server) , POST (offer data to server) , PUT (update data that’s already on server) , DELETE (data from server)

IP address : IP (internet protocol) it’s a standars set of rules receiving and sending data over the internet

Connections between internet connected system is called TCP/IP

API : when you use an application on your phone it connect to the internet and send data to the server. The API help you to have your desired information

Adventages of API : there’s no exchange of informations without the API

API types : open API, partner API, internal API, composite API.

Creating web site : -CMS :you can easily add and delete images, links and other content on your website .

-hard coding : requires sfecefic knowledge and skills of programing language

CMS ( it hhelps users create modify … on a website without need to technical knowledge .) like wordpress, prestashop.

The most popular coding language on the web : HTML, CSS, JASASCRIPT

The skills of web developer : it require the mastery of 3 language : css,html,javacript