

ASP.NET

Client:- A client is a software component nothing but a browser which is used to send request to server over the internet to get the required information from the Internet.

Ex:- Google Chrome

Internet Explorer / Microsoft Edge

Mozilla Firefox

Netscape Navigator etc.

Server:- A server is a software component known as web server. Web server will perform following tasks.

1. Storing one or more web sites within it.
2. Takes the request from client, process the request and delivers the response to client.

3. **Ex:-** IIS

Nginx

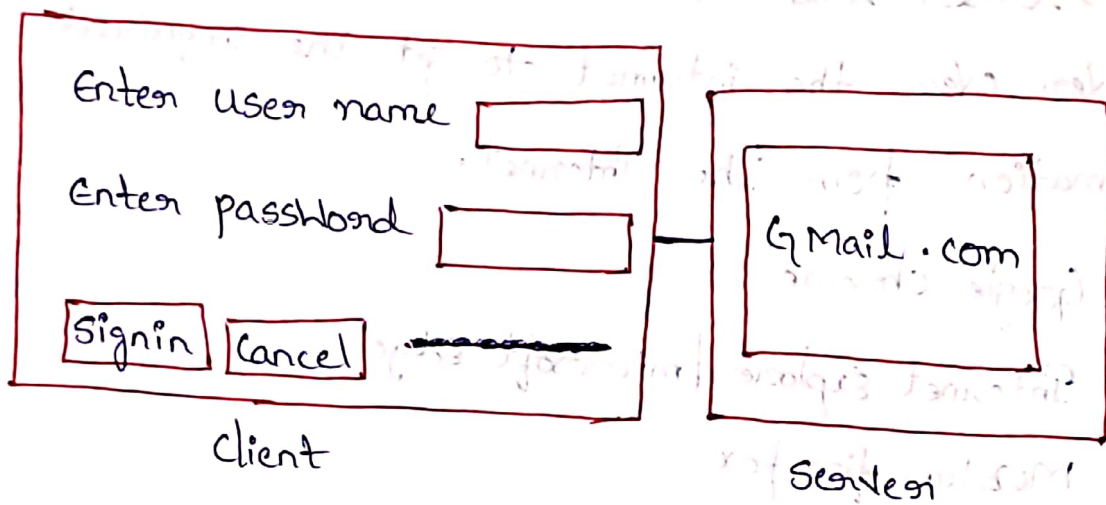
Apache

Tomcat

→ A client will understand following

1. HTML
2. CSS
3. JavaScript and
4. XML

other than these browser cannot understand other programming languages or Technologies.



- In the above figure designing of the page like creating text boxes, labels, buttons, etc. will be performed by HTML.
- for all these designs attractive styles will be performed by CSS. So, HTML and CSS are used for designing and styling of the web pages.
- HTML & CSS can't be used for validation programming or dynamic programming like checking user entered user name or not, user entered password or not etc.. Will not be performed by HTML & CSS. So, the pages developed by HTML & CSS are called "Static Web pages".

Client side scripting code:- The code that will run or execute within the browser is known as client side scripting code.

Client side scripting languages:- The programming languages that are used to write client side scripting code are known as client side scripting languages.

Ex: 1. VBScript

2. JavaScript

→ The JavaScript is the most popularly used client side programming language and JavaScript is developed by "Netscape company" and compatible to its browser "Netscape Navigator".

Server side code:- The code that will run within the web server is known as server side scripting code.

Server side Technology:- The technology used to write or develop server side scripting code is known as server side Technology.

Ex: Asp → Active server pages

Asp.net → Active server pages for .net

Jsp → Java server pages

PHP → Personal Home page / processor Hypertext

Django

Asp.net :- Asp.net is a server side Technology used to build dynamic Web Applications.

→ Asp.net code will return using following programming languages.

1. VB.net

2. C#.net

AJax :- Ajax is a Java Script based Technology. and Ajax stands for

"Asynchronous Java Script And XML".

→ Asynchronous requests are more faster and user responsive.

→ Based on Ajax many frameworks are developed like react JS, Angular JS, node JS, etc...

Creating first Website In Asp.net :-

→ open Visual studio 2019 click on file, click on new, click on project. then type Asp.net search option select Asp.net Web Application (.net framework) with C# programming language template.

→ Then click on next. Type the Website Name within web app parenthesis. Web App Sample. choose the location to save click on create. select the web forms template. click on create.