* Web Server
* **Web Site**
* Web Page
  + Static Page
  + Dynamic Page
* **Web Application**
  + Web Site comprises of all static content.
  + Web Application comprises of both static and dynamic content.
* **Blog [Web-Log]** 
  + Blogs are like journals on Internet.
  + Blog publishes everything into one page.
  + Usually published by individual users and updated periodically.

Ex: blogger.com, wix.com etc.

* **Vlog [Video-Log]**Ex: YouTube channels
* **Micro Blog**
  + Multiple users can publish their personal information on to single page.  
    Ex: Twitter
* **Wiki** 
  + Wiki mean “Quick”. It is an hawain term.
  + Wiki allows any anonymous user to edit its content.

Ex: WikiPedia [Quick reference for Encyclopaedia], Google Maps, IMDB

* **Podcasting** 
  + Podcast allows developers and users to upload media content [audio/video] on to servers.
  + So that the content can be broadcasted on to other devices.   
    Ex: YouTube, iTunes, Windows Media Player
* **URL & URI**
  + Uniform Resource Locator
    - It is a virtual path generated by web server in order to access resources from a website or application.  
      ex: <http://localhost/amazon/products.html>
  + Uniform Resource Identifier
    - It is a named location in the resource.

Ex: [http://localhost/amazon/**products.html#mobiles**](http://localhost/amazon/products.html#mobiles) **-> URI**

* **Browser**
  + Browser is a software tool uses to access the resource from any website or application.

Ex: Chrome, Edge, FireFox, Safari etc.

* **Web Debugger**
  + It is a software tool used by developers in web development to track the performance and issues in web page.
  + Every browser will have a web debugger which you can invoke by using “F12” function key.

Ex: Fiddler, Postman, etc.

**Setup Environment of Designing Web Application**

* **Download and Install any Package Manager**
  + **Package Manager** is a software tool used by web developers to install various libraries required for their development.
  + Some of the popular Package Manager tools
    - NPM
    - Yarn
    - RubyGems
    - NuGet etc.
  + Install NPM (Node Package Manager) on your PC
    - Visit <https://nodejs.org/en/download/>
    - Download the “.msi” file if you are using Windows OS
    - Install from “.msi”
  + After installing open your command prompt and test  
    C:\> node -v [node version]  
    C:\> npm -v [npm version]

**Note: You must have Node.JS version 10x above**

**Ex:** Installing Packages

* Open the physical path of your web application in command prompt.  
  C:\Amazon>
* Install by using the following syntax  
  C:\Amazon> npm install PackageName  
  C:\Amazon> npm install bootstrap/jquery/angular etc..

**Note: If you are not sure about the package names and their versions then you can get help from official website.** [**https://www.npmjs.com/**](https://www.npmjs.com/)

* The packages library is maintained in a special folder called “**node\_modules**”
* The packages and their versions related information is present in a special file “**package-lock.json**”
* **Download and Install any Code Editor**
  + Code Editor provides an IDE [Integrated Development Environment]
  + It provides an environment for developer, which allows to build, debug, test and deploy applications.
  + The popular Code Editors
    - Visual Studio Code
    - Sublime
    - Brackets
    - Web Strom
    - Eclipse etc.
  + Install “Visual Studio Code” Editor
    - Visit <https://code.visualstudio.com/>
    - Download and install for your OS.
  + Open Visual Studio Code
  + Go to “Extensions” and install the following extensions
    - Live Server [It starts a server to run & test your application]  
      ***[ritwickdey.liveserver]***
    - Vscode-Icons

**HTML Language**