Frontend

* Part of the application which involves designing and user interaction.

Frontend technologies/libraries/framework:

* **Html**
* **Css**
* **Javascript**
* **Bootstrap**
* **React**
* Angular
* Vue
* ………………….

HTML:

* Hyper text Markup language
* Hyper text : clickable text : More.. , click me , see more >>
* Markup language :
* **Create a structure of the webpage**

CSS:

* Cascading style sheet
* **Style the web page**

Javascript:

* To make webpage interactive

Editor:

Visual studio code

Browser (any browser) – Google Chrome

Html 🡪 .html / .htm

Versions of html

Html1

Html2

Html3

Html4

Html5 🡪 latest version (2014)

Tag:

* Tags are Predefined

Anything which is enclosed within angular brace (<>)

<something>

Types of tag:

1.Paired tag

- open tag

- close tag

<open tag> </closed tag>

2.Upaired tag or singleton tag

<tag/>

Comment

<!-- Instruction -->

Ctrl + /

<!DOCTYPE html>

It is a instruction to specific the latest version of html

<html> 🡪 root element

Attribute 🡪 which specifies the behavior of the element

Will add attribute in open tag or in singleton tag

<open tag> content </close tag> 🡪 Element

<Head> 🡪 head tag contains meta data (data about data)

<body> 🡪 all the content that you see on the webpage is enclosed in a body tag

Versions of CSS

CSS1

CSS2

CSS3 – Latest version

Types of CSS

1.Inline CSS – style - attribute

2.Internal CSS - <style> - tag

<style>

Selector {

Css declarations

Property:value

}

</style>

3.External CSS – separate file

Block level element:

**<div>**

H1…h6

P

…..

Inline element:

**<span>**

<a>

<img>

Semantic elements:

* <article>
* <aside>
* <details>
* <figcaption>
* <figure>
* <footer>
* <header>
* <main>
* <mark>
* <nav>
* <section>
* <summary>
* <time>

Naming the elements:

Class

Class selector –

.classname{ css declartions}

Id

#idname { css declartions }

Grouping a selector

.classselector,#idselector, tagselector {css declaration}

**Combinators**

Descendant combinator ( space)

Child combinator (>)

Adjcent sibling combinator (+)

General sibling combinator (~)

Measuring unit in css

Absolute unit: mm ,cm, px……

Relative unit: em, vh, vw ,% …..

Css Box model

Border 🡪 border-style, border-width, border-color

Border-style 🡪

Border-bottom-style

Border-left -style

Border-right- style

Border-top -style

Display:

Inline

Block

Inline-block

List

* Ordered list
* Unordered list
* Descriptive list

Nested list

Color:

Color Name

Rgb(0,0,255)

Hexadecimal value