Frontend development
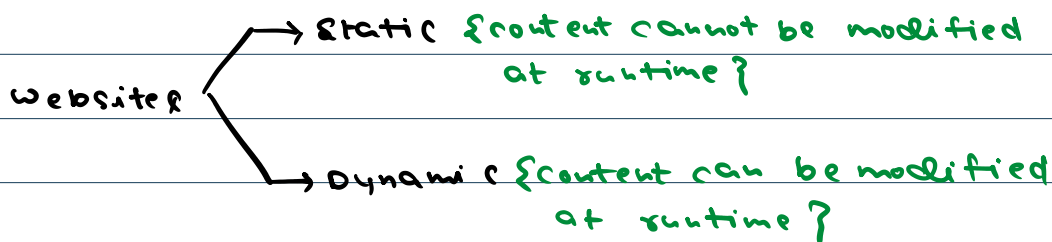
Websites →
- Visuals (Front-end)
- Behind the scenes (Back-end)
- Data (Database)

Ingredients of
mall
(website) →
- Foundation (HTML)
- Style (CSS)
- Functionality (JavaScript)

Websites →
- Static {content cannot be modified at runtime}
- Dynamic {content can be modified at runtime}
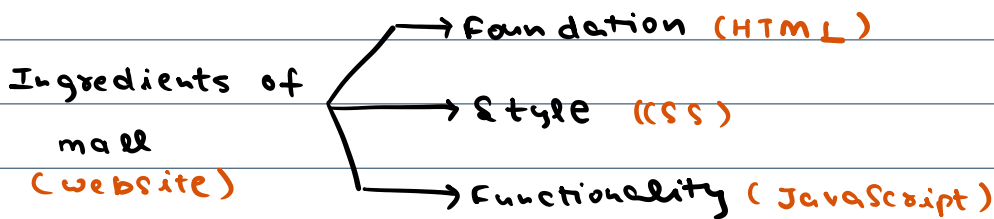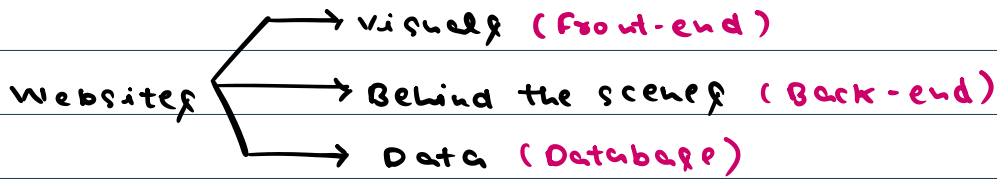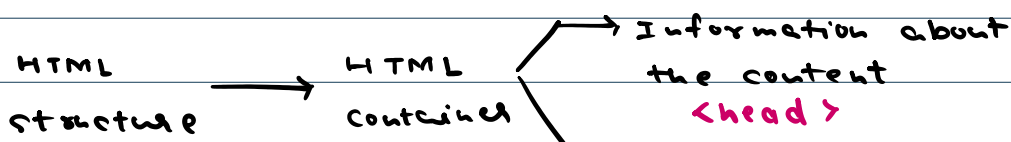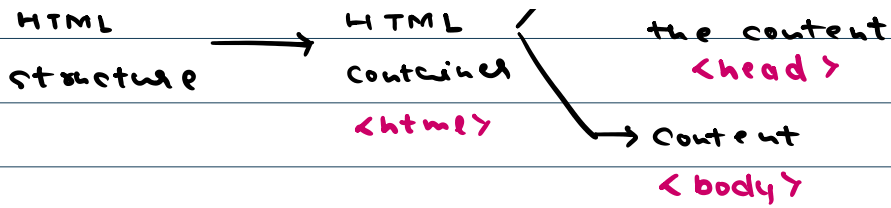
HTML

HTML → Hyper Text Markup Language

HyperText → which contains hyperlinks (or references)
to other text

markup Lang → It is a way in which the doc are annotated
such that they can be distinguished from the
normal text

HTML → It is a set of markup symbols intended for displaying
content on the internet.

HTML
Structure → HTML
Contains
- Information about the content
  <head>

HTML ⟶ HTML ⟨ the content
structure   Container   <head>
              <html>   ⟶ Content
                              <body>

Heading tags

<h1> </h1> _ _ _ _ _ _ <h6> </h6>

Paragraph ⟶ <p> </p>

Self closing tags

<img / >

<br / > ⟶ Line break

<input / >

<hr / >
opening ⟶ Tag ⟶ closing tag
tag   name

HTML Tags with Attributes

<h1 class = "heading" > Heading </h1>
  ↓   ↓   ↓   ↓   ↓
Opening   attribute   attribute   content   closing
tag   name   value   tag

How to differentiate the tags

id ⟹ unique

Akaash

class ⟹ can be same for many tags

Character Entities

   &   →   &

   <   →   <

   >   →   >

   "   →   "

Inline and Block elements

Inline ⇒   O   O   O   O   O   O

          `<span>`   `</span>`

Block ⇒   O

              O

              O

              O

        `<h1>`   `<p>`   `<div>`

Inline ⇒ `<span>`

         `<b>`

         `<strong>`

         `<i>`

         `<em>`

         `<a>`

         `<img>`

         `<button>`

Block ⇒   `<div>`

         `<p>`

         `<h1>`... `<h6>`

`<h1> ... <h6>`

                    `<hr>`

                    `<table>`

                  `<ul>`

                  `<ol>`

                   `<form>`

Comments ⟶ will not reflect on website
                  `<!-- comment msg-->`

Visual representation (Display the image)

   `<img src:"image-url" alt:"Not available" height:"450"`
                                        `width:"500"/>`

Anchor tag

It will create a hyperlink to open

different pages

`<a>   </a>`

attributes :- href
                target