

# HTML AND CSS BASICS

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19th may

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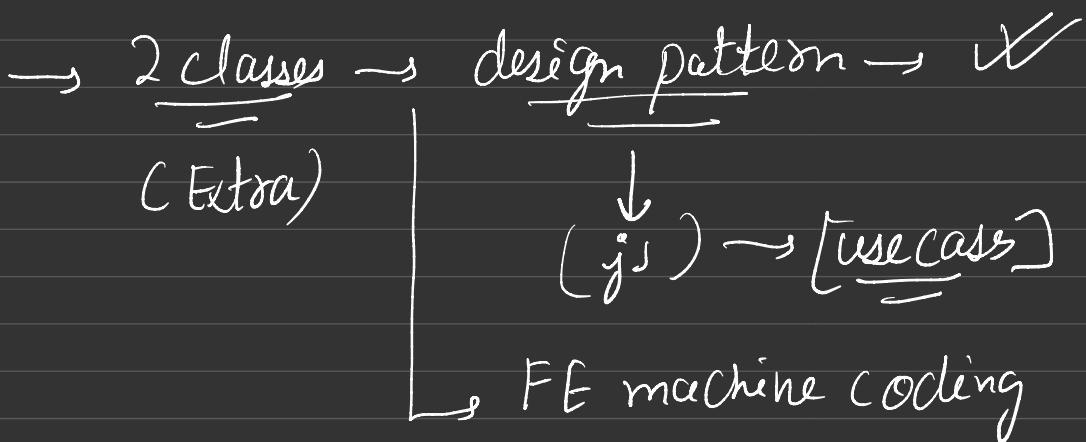
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# Agenda

- \* Demo of Project → 5 sessions
- \* HTML
- \* Structure for webpage → [Semantic Tags]
- \* CSS →
  - Selector and combinators
  - ↳ Add CSS to web page
  - ↳ Optimized way to add CSS
  - ↳ Box Model
    - ↳ Box Sizing
    - ↳ Margin Collapse



# HTML

→ Hypertext Markup Language

→ Content for our webpage

→ Tag HTML

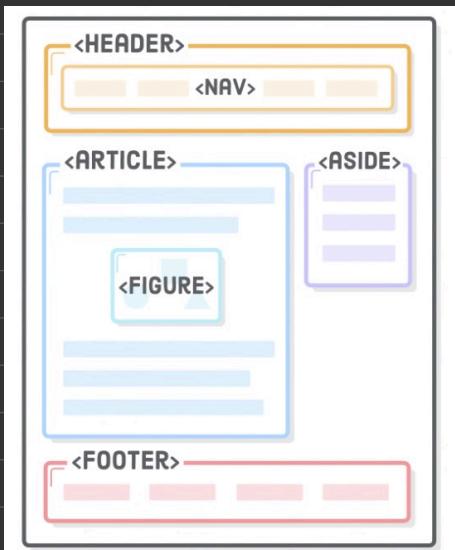
    ↳ <element></element>

    ↳ self enclosing tags

    ↳ semantic tags

# Semantic Tags

↳ tags that has literal meaning  
↳ used to wrap around block of text



Tag	Usage
<header>	header
<nav>	navbar
<article> & <section>	both are used to represent a section
<figure>	media → img / video
<aside>	sidebar
<footer>	footer

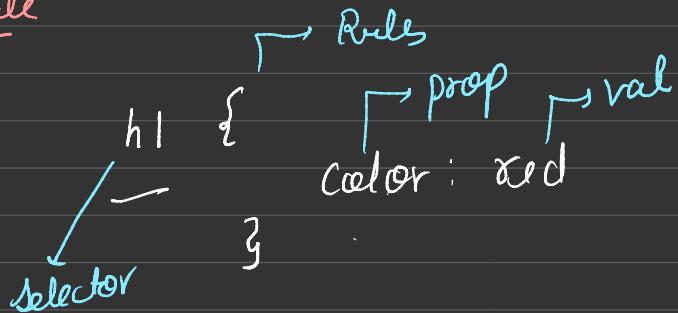
## ① Use cases

- ↳ Better code readability
- ↳ Search Engine Optimization
- ↳ Accessibility

# CSS

↳ [Cascading] style sheet ↳ styling

## CSS Rule



selector → are used to identify html

: Content) to which we need to apply our style

### selector

↳ element selector → h1, p

↳ class selector → .className

↳ id selector → #id

↳ universal selector → \*

### attribute selector

↳ element [key="value"]

Ex → input [type="text"]

→ element → multiple classes

< h1 class = "m1 m2" > / >

↓  
• m1 m2

Combinator

└ Descendant Combinator → .m1 m2

└ Children Combinator → .m1>m2

# ways to add CSS → Web page

↳ 3 ways

↳ external → using .css file

↳ internal → style tag

↳ inline → to the element

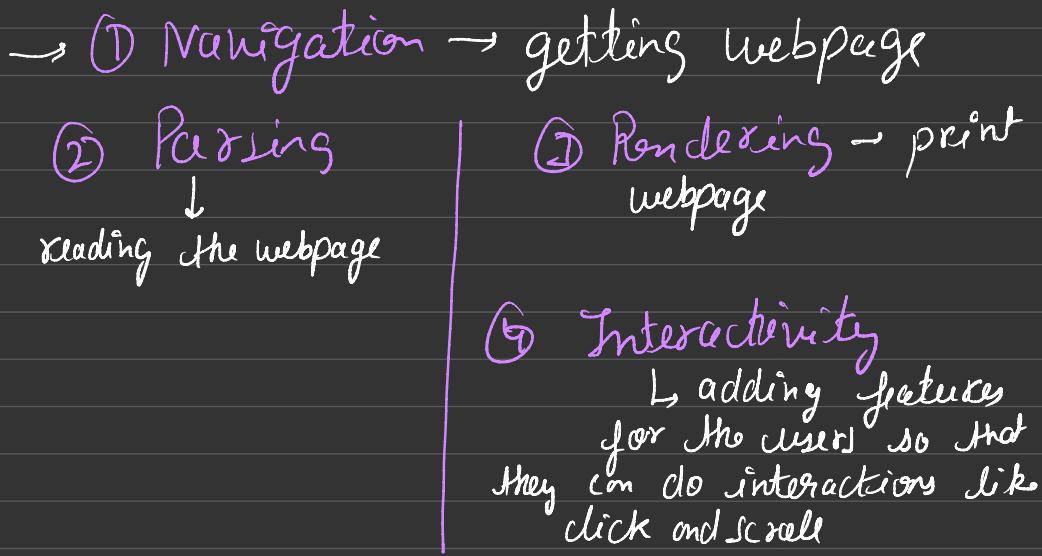
→ User agent Style sheet → browser's default style.

Priority

↳ inline > external/internal > useragent

} depends on order ✓

# [ Optimized way to render CSS ]



① Working of Parsing → When browser gets the html

document → it starts going through the page to convert it into DOM and parallelly we have pre-connect scanner if it sees → img, CSS, JS link it makes a request

→ CSSOM → when browser is finished parsing html it checks for all the CSS files and converts it into

CSSOM and rendering is only done after all of the CSS is parsed & converted to CSSOM



