

Note HTML/CSS

Date 17/2/26

P, Heading → block elements
Emphasis: `` (inline tag) ``,
`<mark>` highlighted `</mark>`
`` | `` \cup
`<ins></ins>` | `` \cup

`` → self closing tag

Horizontal tag: `
`

`<pre></pre>`

`<code></code>`

(div and span)

Generic containers for content

divs are block-level and spans are inline
Used with classes and ids.

Class and Ids

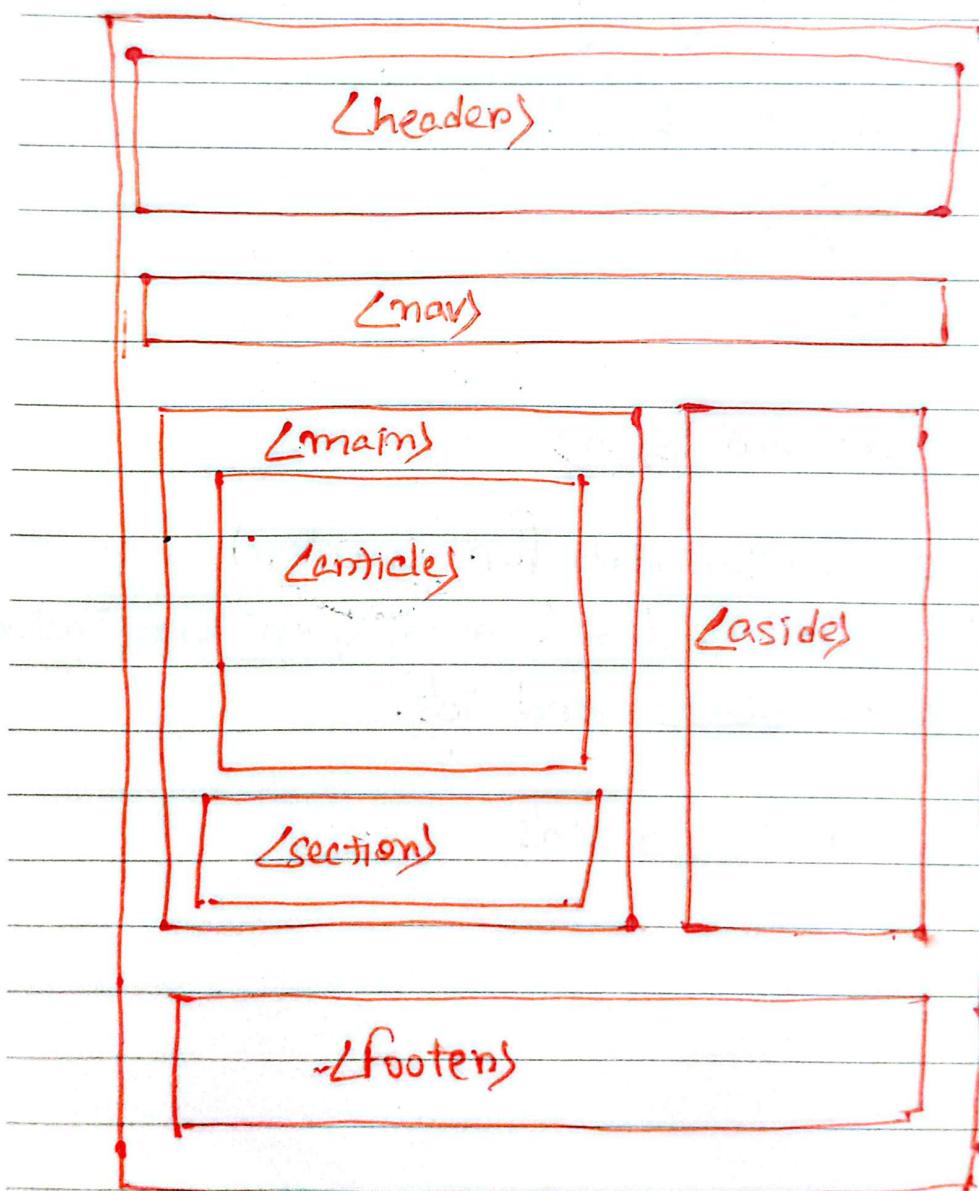
Note.....

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Semantic Elements;

Definition: to reinforce the meaning of the information in web pages,

<header> <footers> <nav> <main> <article>
<section> <aside>



much more descriptive

Emmet

Note.....

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① Inline tag, Block level element, Emphasis

Block
div, p, h1, h2,
h3, h4, h5, table,
form, header,
footer, section, nav,
article, aside, math,
blockquote, br, pre

doesn't allow other
tag before Block

Inline

span, a, img, button,
input, label, small,
strong, em, i, mark,
ins, del, sub, sup

allow,

② Form input type:

i) text, email, password, number, textarea, select, data
checkbox, radio, file, submit, range, color

required → ইটি না ক্ষেত্র ফর্ম সবিত এত হৈ

Placeholder →

multiple size= "2 or something" (for scrollling
the option)

for preselect (selected)

* Datalist পৰি কৃত ধৰণ হৈব।

Note

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git : most popular version control system.

SSH (secure shell) : cryptographic protocol
(form)

<label> for=" " ... </label>

<input type=" " id=" " >

For submit :

<input type="submit" value="submit" >

</form>

<figures> </figures>

<FigureCaption> </FigureCaption>

Blobmakers

- ① Type selectors
- ② Class selectors
- ③ ID "

- ④ Descendants
- ⑤ html, body & Selectors
- ⑥ Multiple "

For styling class is better because ID's are suitable for link to another area on the page. on label, or connect to an input.

Dark Red: #e04553

Black :#000

Specificity:

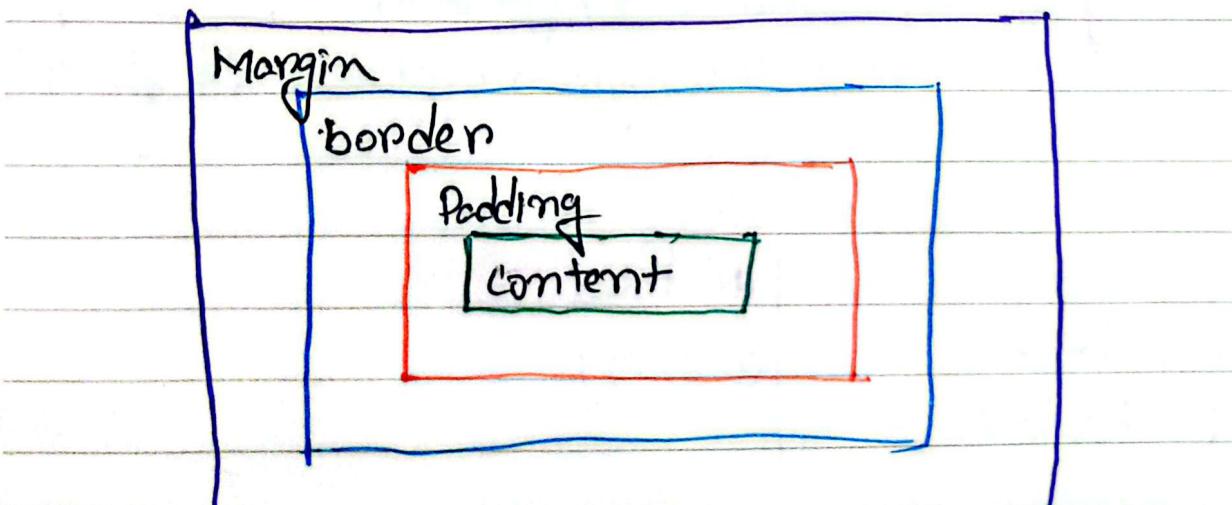
- 1: Inline CSS
- 2: ID (#)
- 3: class (.)
- 4: Element

most recent is going to get the high specificity. (same tag)

! important

high specificity

Box Model



Box Model Properties

* width and height : max-width, max-height, min-width, min-height.

* Padding : padding-top, padding-right, padding-bottom, padding-left.

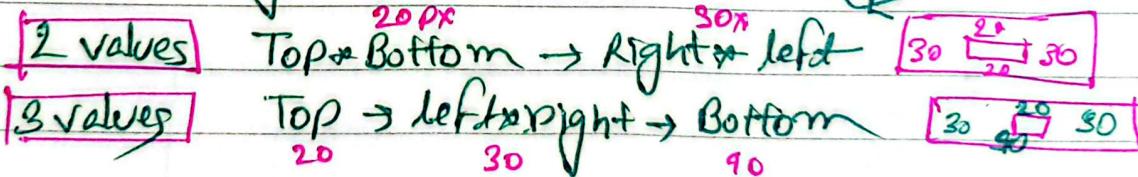
* border : border-style, border-color, border-width.

* Margin : margin-top, margin-right, margin-bottom, margin-left

* box-sizing

Padding

Top → Right → Bottom → Left



Position

- | | |
|---------------|-----------|
| i) static | iv) fixed |
| ii) relative | v) sticky |
| iii) absolute | |

shadow → left, bottom/
negative n → right top

Note Flexbox

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Justify - content:

① flex-start

horizontal

vertical



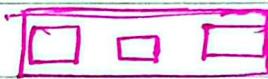
② flex-end



③ center



④ space-between :



⑤ space-around :



(Space Around)

vertical.

Align-items:

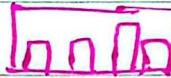
horizontal

vertical.

① flex-start



② flex-end



③ center

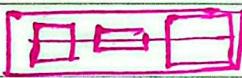


④ stretch



(Stretch)

⑤ baseline



» Flex Properties

» Responsive Design

Note Pseudo-Element

Date 29/02/26

:: First-letter
First-line
Selection
required

placeholders

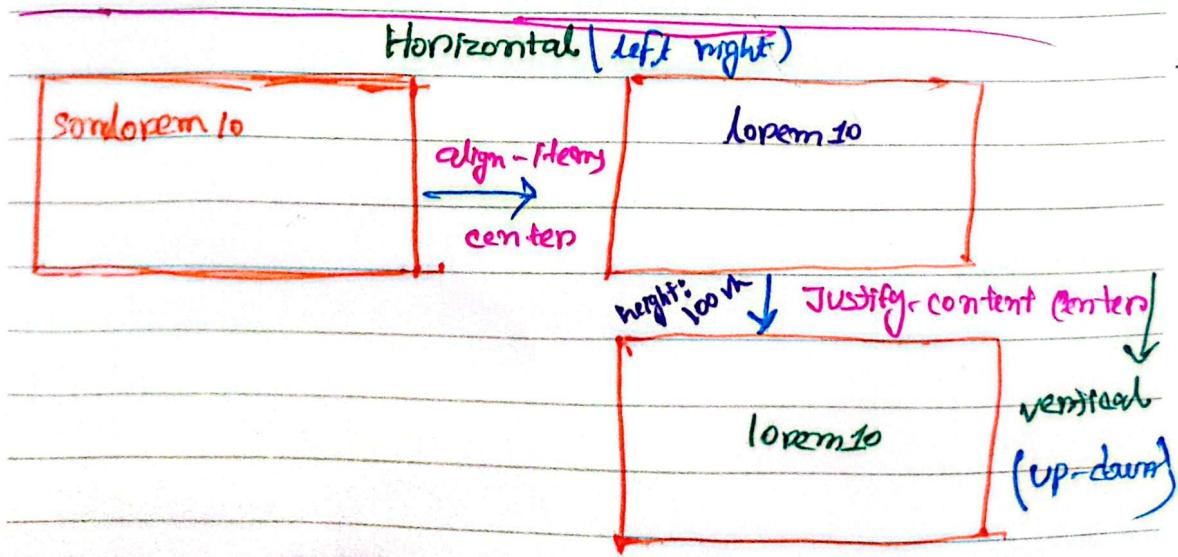
file-selector-button
markers

p:nth-of-type(2) → Second paragraph
p:nth-child(2) → any tag before p then p be the end

::before & ::after

```
p::before {  
    content: ' ';  
}
```

```
p::after {  
    content: ' ';  
}
```



Content box model
Root का बॉक्स मॉडल

Note

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is(), where() & has()

is(): Select an element if it matches any of the selectors inside the parentheses.

where(): Same as is() but has lower specificity

has(): Select an element based on its children.

• Container : is(h₁, h₂, p) {
 color: blue;
}

⑦ Align Items and Justify Content (ওঠ মাঝে
দাঁড়িয়ে) clean করতে হবে,

CSS Flexbox - 1 dimensional
" Grid → 2 "

Note CSS/GRID

Date _____ / _____ / _____

Properties:

- i) display : grid
 - ii) grid-template-rows
 - iii) grid-template-columns.
 - iv) grid-gap (gap)
 - v) grid-column
 - vi) " - row
 - vii) " - area
 - viii) justify-items
 - ix) align-items
 - x) justify-content
 - xi) align-content.

CSS Grid: is a layout system that provides properties to create rows, columns and two dimensional grid layouts.

Flexbox is best suited for laying out single rows and columns.

CSS grid is best for layouts with multiple rows and columns.

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• stem-grid {

display: grid;

grid-template-columns: 2fr 1fr 1fr;

}

grid-row-gap: 20px

grid-column-gap:

grid-gap:

Align and Justify

↓ ↓
Column axis Row axis

(i) what is justify, what is align.

① justify-items

② align-items

③ place-items

④ justify-content

⑤ align-content

⑥ place-content

Note CSS Transition

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Transitions are a way to change property values smoothly (over a given) duration.

They are used to make the user experience more engaging and interactive.

Transitions: Triggered by a change in state such as hovering over an element. So, it always goes from one state to another. Defining using the transition property in CSS.

Animations: Animations are triggered by an event or happen automatically on a loop. They are controlled by keyframes and are defined using the @keyframes rule in CSS.