

Course Introduction Day-1

Monday, April 15, 2024 9:39 AM

Full stack development

Front End

Backend

How websites

→ front end (UI UX)



Front End Full stack process



1) Websites 2) Webapplication

(Dynamic)

giocinema - IPL
E-commerce (flipkart)
→ football (credibility)

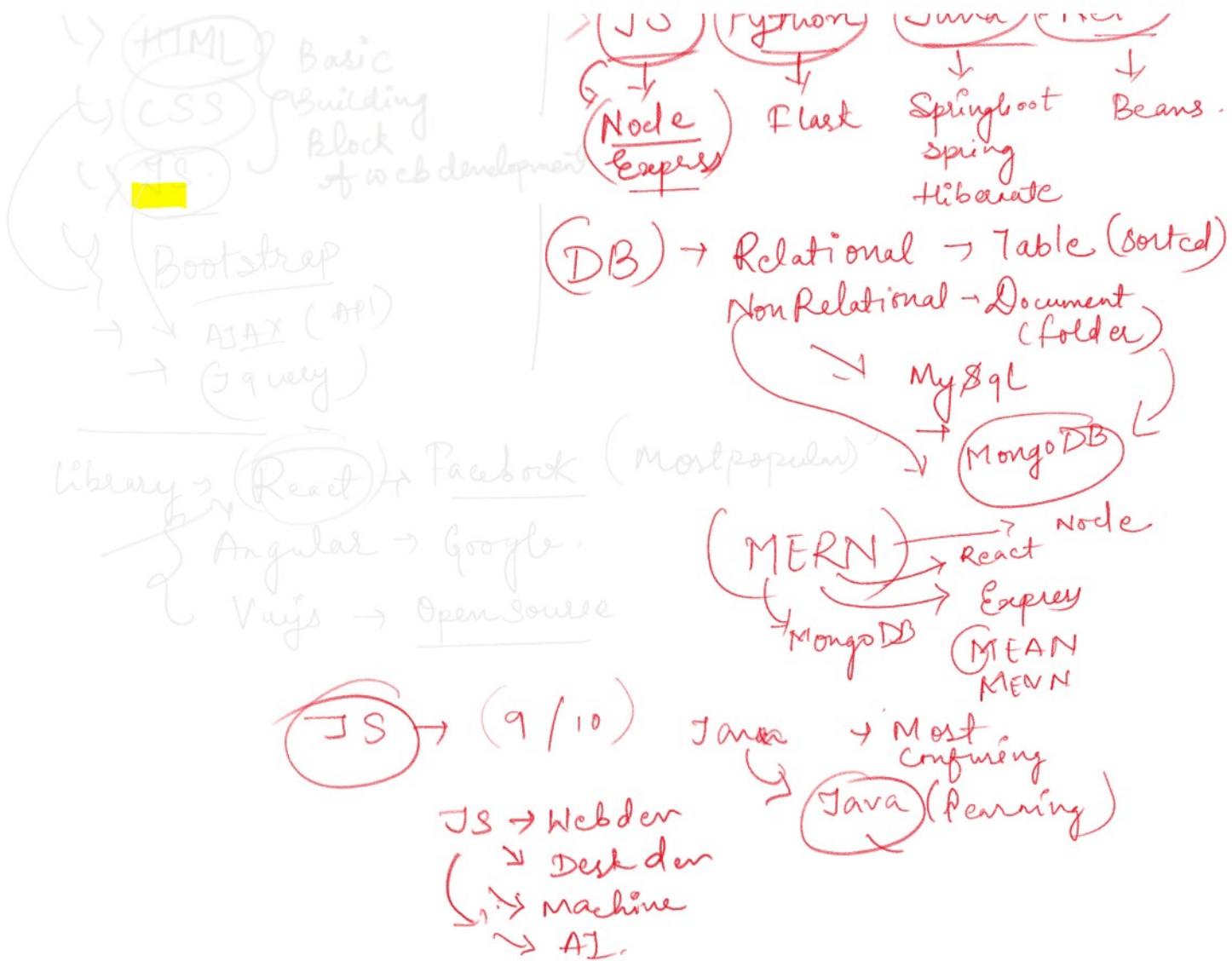


Front end

HTML Basic

JS Python Java → MERN → Popular

JS Python Java .Net



Qn: US Bureau of Labor and Statistics.

1,84,000
8,53,000

Career prospects

2LPA → (16LPA) → 24LPA
 9.1LPA → 45 hours
 (28LPA)

Tic Tac Toe

X O → create
 Netflix, YouTube →

Fullstack

Junior → Robust
 ↳ In-depth → Tough

Netflix, youtube →
Jiocinema.

→ AI → learn

(Self-driving)

(India)

↳ Indepth Tough

↳ never → Scalable

Full

35 - H1

40 →

→

(Human)

10K → 1M

→ ←

Design →

↳ Scalable (multiple
use)

→

←

26th president US

Believe you can
and you are already

Monday

HTML Day-1

Tuesday, April 16, 2024 9:20 AM

HTML :- Hypertext (Markup) language
↳ structure

:- Tim Berners Lee - 1993.

:- (HTML5)



To add a boilerplate

- 1) Exclamation
- 2) html:5

version 6

- ↳ Boilerplate
- ↳ !DOCTYPE html → version 5 (document)
 - ↳ Browser : home (version 5)

↳ Meta tag → additional information
→ character (

↳ meta / . . .) → application)

HTML Day-2

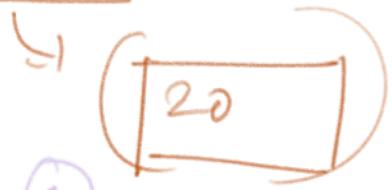
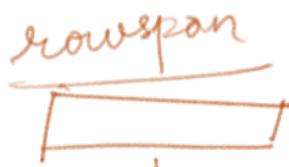
Formatting Tags :

1. Strong, bold
2. Emphasize tag
3. Mark and Marquee
4. Cite, Blockqoute, q and address, Summary
5. Subscript and Superscript
6. Pre and code, div and span
7. Lists, Form

HTML Day-3

Wednesday, April 17, 2024 9:26 PM

1. Lists - ol, ul and dl
2. Form
3. Tables
4. Create a form in Table
5. iFrames and
6. Semantic and NonSemantic



Lists

- 1) ordered list (1, A, a, I, i) By default → ①
- 2) Unordered list (disc, circle, square, none)
- 3) Description list (dl, dt, dd)

iFrames → inline frames.

we can provide path of another document

what is semantic and non-semantic?

1) h1, div, span (a) → (non semantic)

2) img, form, table, (semantic)

{ header, footer, nav }
main, article, section

It is a tag which tells itself to the browser and developer explain about

div → SEO

{ main
article }

Body

<header> <h1>
<nav>
 li; li, li
<nav>
</header>

• AMPERSAND

-
- 1) rowspan applied
 - 2) border can be each cell.
 - 3) How do we add an emoji
 - 4)

Table

↳ thead, tbody (not required)

↳ (tr) → table row

↳ (th) → table head.

↳ tr, td → table data.

↳ border

↳ cellspacing (, cellpadding)

↳ outside

↳ colspan
↳ merge column

{ rowspan ?
border ?

↳ MDN
docs

inside

↳ rowspan merge.
One or more rows

HTML Day- 4

Thursday, April 18, 2024 3:47 PM

Details and Summary Tags
Id and classes
Field set and Legend
Form - Label and Input

Nested Table

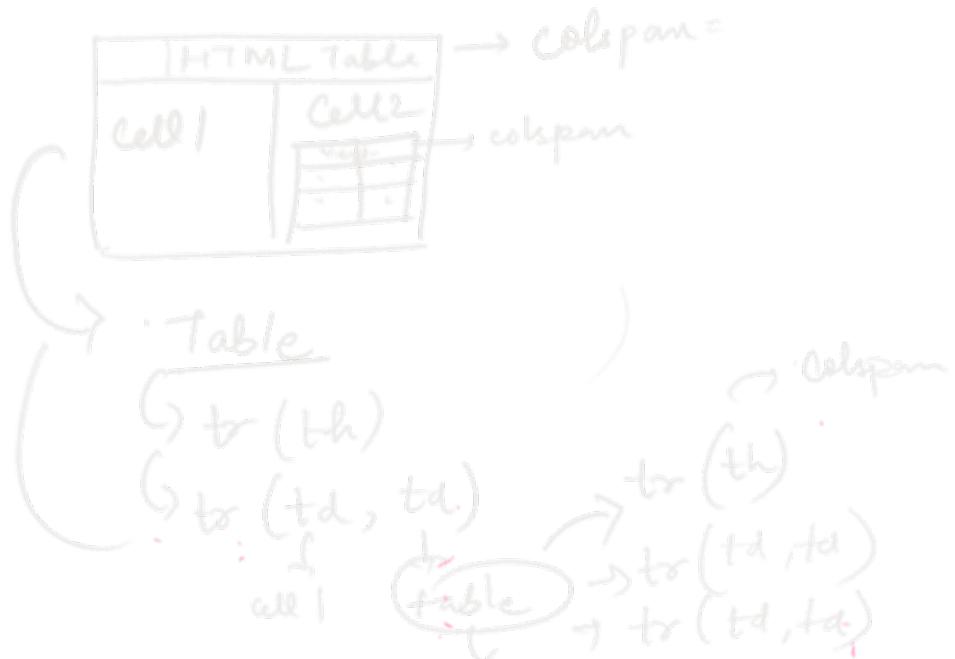
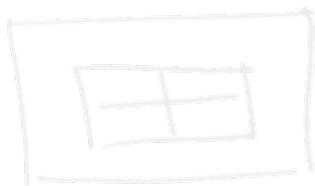


Table → 4 rows. (Pseudo Code) → plain english to make human understand

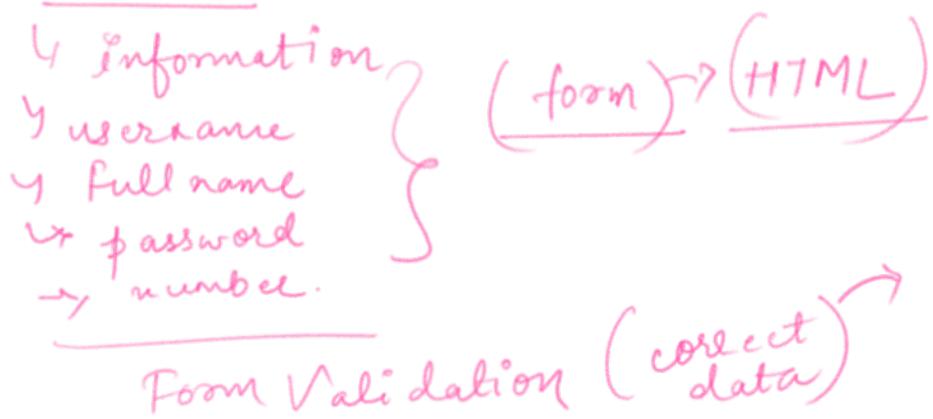
- 1) tr → th, th, th (bgcolor → style="background-color: red;")
- 2) tr → td, td, td (table) → (3 rows, 2 column)
- 3) tr → td, td, td
- 4) tr → td, td, td.

FAQ → Frequently asked question (FSD)?



Discord

Discord



1) How to keep by default value of select tag?

- * Dropdown
 - ↳ Select tag
 - ↳ options.

| (Self closing tag) / Empty tag

1) Radio - circle (only one option)
2) Checkbox - square

HTML Day- 5

Monday, April 22, 2024 9:14 AM

HTML - Head, Body

Heading → H₁ to H₆

hyperlink → anchor tag (path of another document)

Image's src (

→ Relative and Absolute Path
↓
local folder/file instant (copy image address)

→ Tag and Element

Tag → <h₁> </h₁> / img → self closing tag

Element → <h₁> Content </h₁>

→ List

Ordered list → default (number)

Unordered list → disc, square, circle, none

Description list → dt, dd

→ iframe → embed document inside another document

CSS - Cascading Style Sheet

- Enhance visuals of our webpage
- CSS3 (version 3)

* Three ways of CSS:

- 1) Inline CSS
- 2) Internal CSS {
- 3) External CSS }

_____ X _____
Syntax

```
selector {  
    properties: value;  
}
```

- _____ X _____
- 1) Inline CSS :- properties are directly applied to the tag
 - 2) Internal CSS :- properties are applied on the head section of HTML file using style tag.
 - 3) External CSS :- you have create new file with .css extension , link it with HTML file .

_____ X _____

Preference

- ↳ inline highest priority ✓
- ↳ internal second highest priority ✓
- ↳ external last priority

... (HTML)

→ External last priority
→ inline (HTML)

1) External CSS (95%) → large (complex)
↳ multiple file
↳ 20css file

→ Class and id selector.

Selector

1) Tag selector - h1, p,

2) class Selector - (.) dot .firstClass

→ multiple value can be provided to class

→ same value can be given to different tags

but

if we talk about id;

→ in one file, one value of id should not be repeated.

→ conflict, css may not work as per your choice.

Universal selector

* (Asterisk)

→ It should be written on top of ^{external} CSS file.

Pseudo Selector X / Attribute sheet

- 1) direct color name
- 2) rgb → Red, green, blue (0-255) → green
- 3) hex → (0-9) 16 → rgb(255,0,0) (0,255,0)
- 4) hex → 0 → red green blue (255,255,0) → cyan

Text properties (Emmet) abbreviation
vs code

text-align : - left, right, center start end td#3 ⇒ td.

English, Hindi left to right ⇒ English → left(start)
Urdu → right to left right(end)

Text direction(p) → <body> → parent Urdu → left(end)
<p> → (child.) right(start)
</body>

Text decoration

underline, overline and line-through

1) Create a simple div with an id = "box".
add some text content inside the div
set the background color to "tomato";

2) Create 4 headings h1, h2, h3, h4
give all of them the same class,
add border, → 2px solid black.
background color : any color;
add width : 500px.

color, bgcolor, Text properties, font properties
↳ Text-align ↳ font-size
Text-decoration font-weight
(Text-transform) font-family

text transform: uppercase;

Note:- ↳ we

* In CSS, if provide some value to the element and then change the value and property ; it will overwrite the previous property.

1) Text transform

2) font style 3) font variant

+ Text transform to uppercase can change the value to uppercase letter but font variant small caps will change the font to small caps uppercase letter meaning the font size would be smaller than text transform uppercase.

min-width and max-width ↳ responsive landscape and portrait
min-height and max-height ↳ compatible to different devices (phone, desktop, laptop, tablet)

Box Model → Margin, Border, Padding, Content

CSS Day-6

Monday, April 29, 2024 9:27 AM

Display: - block, inline, inline-block + none

Visibility: hidden → width
→ height

float and clear

→ none vs hidden (Imp)

float → left and right (parent)

→ X → ← →

Absolute units → pixel

pixel, percentage

Relative units

(em, rem), (vw, vh) → view units

→ fontSize

percentage/pixel

width

height em, rem
w, vh.

vw and vh: → percentage of document height

Background

by color

Background image. → set the background image.

Background color

Background size → cover, contain and repeat. → auto.

CSS Day - 8

Tuesday, April 30, 2024 4:25 PM

CSS Grid - is a two way dimensional layout model, use of this completely changes the UI interface as compared to any other layout model. Grid is one of the most powerful CSS modules ever introduced.

Earlier to create the layout we started with tables, float, position and then flexbox however none of them we're as powerful as css grid.

fraction → $\frac{1}{\text{something}}$ $\rightarrow = 1$

flex :- one dimensional layout model.
display → place elements in row or columns.

Grid :- Two dimensional layout model.

Pseudo class and Pseudo elements

Selector → element, class, id, universal, attribute, (pseudo selector.)

_____ X _____

✓ Animations test

(Media query.)

(Transition and transformation) task

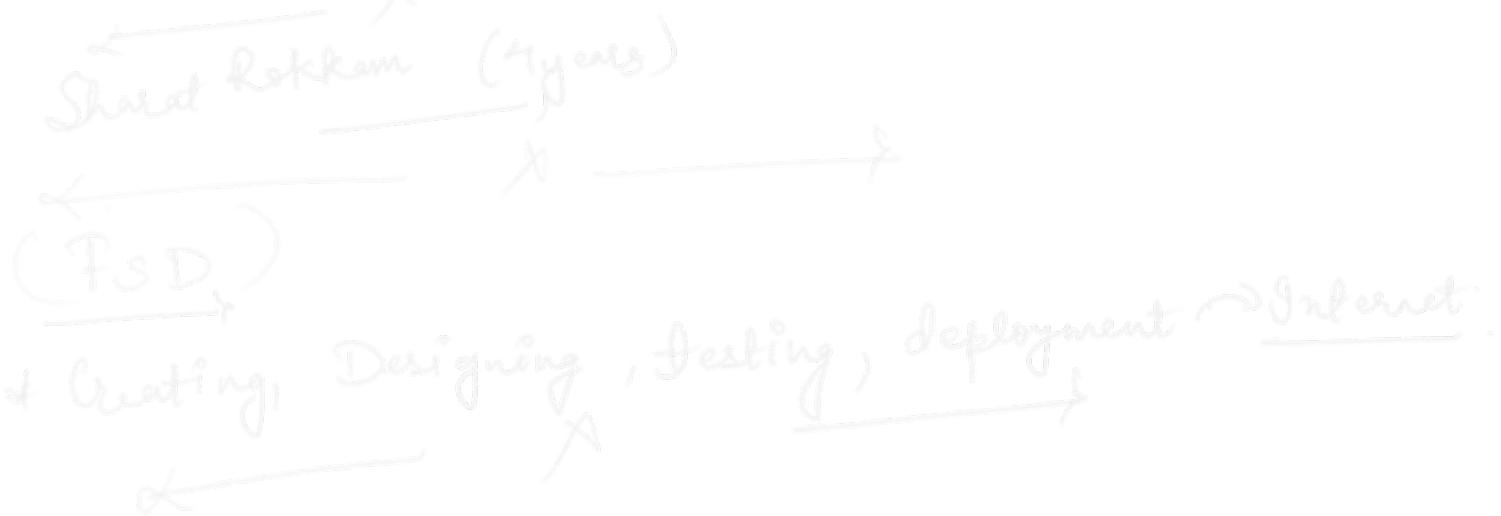
_____ X _____ →

Media Query

(Responsive) Web design / website.

Innomatics FSD course

- 1) What is FSD?
- 2) Why you need to learn FSD?
- 3) How Innomatics FSD?
- 4) Clear Prospects.



- 1) Static
 - 2) Dynamic Web application
- Changes or..
- ↳ login / signup
 - ↳ create profile