Dom (Document Object Model)

Document Object Model is like a map of Website.

Just like how map shows you where all streets and buildings are in a city, the DOM shows you where everything is on website.

The DOM helps your computer understand the different parts of website and how they are put together.

the data representation of the objects that comprise the structure and content of the document on web".

DOM Tree

Imagine a website is like a big book,

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each page in the book represents a different part of website. The Dom Tree is like table of contents of that book. Each part of website is called an (element" and these elements are awanged in Tree-like structure. The Top of the tree is called root and It represents entire website Web Page 1 html body Pamerkraft Dom Tree represents the Structure of website in a way that computeres can understand. Developers can use it to access and manipulate different elements in that structure to create dynamic web pages.

How to Access the Dom?

Accessing element means finding specific parts of website and changing or manipulating them

Is provides different methods to access element in Dom.

I = get ElementBy Id => find element D based on its Id.

- 2- get Elements By Tag Name > Hele you can get elements with help of tag name 3. query Selector > It setwins the first element within the document.

 That matches specified selector
- 4. query Selector All () → returns a Static nodelist representing a list of downent's element that match specified group of selectors.

L div id = "Student - list"> Ldiv id="student-1" class="student")

Deepa L/div> 4/div>

· Student {
Padding: 40px; CSS ->

> · Student : hover { background - Color: #FIFIFI;

| Js Code |
|--|
| let student = document. get Element By Id("Student-,"). |
| Student 1. add Event Listenes (Click) |
| () => { Student 1. style. background Color=Yull. 3); |
| In this eg Is is using get Element By Id method to select element with id "Stydent - 1" and it changes it background Color to blue when you click on it. |
| How to Add, Remove and |
| Modify Dom Flements. |
| Adding, Removing and modifying elements in Dom refers to adding new elements to webpage |

removing existing elements and changing properties of existing Foreg > Ldiv id= wrapper" class = "btn-wrapper"> Lbutton id="create-btn" class="btn"> Create new Button L/button> L/div> Js. Code let create Button = document. get Element By Id (" create-btn"); let wrapper = document, get Element By Id ("irapper, create Button, add Event listener ("click", () => let new Button = do cumento create Element ("button"): new Button. inner HTML = "Click me"; wrapper. append Child (new Button); Paperkraft