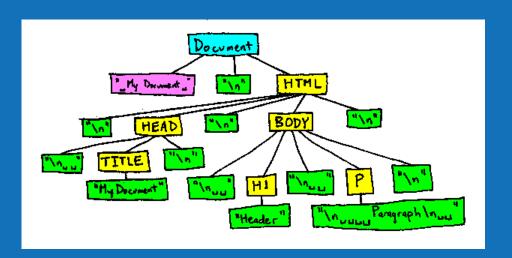


DOM Manipulation





Document Object Model

- The document object represents the whole html document.
- When html document is loaded in the browser, it becomes a document object.
- It is the root element that represents the html document. It has properties and methods.
- By the help of document object, we can add dynamic content to our web page.

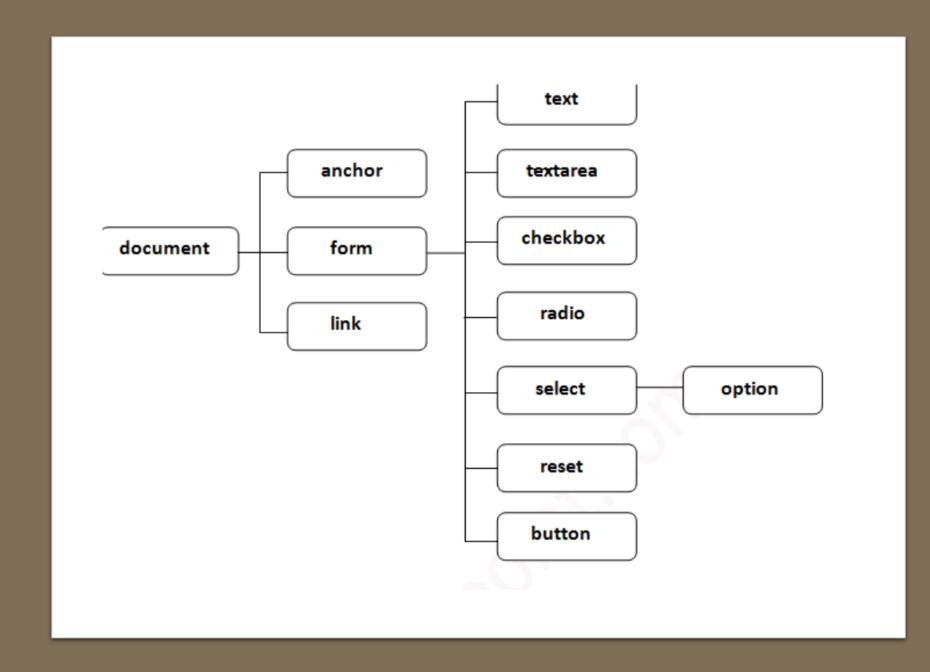


JavaScript:DOM

JavaScript interacts with HTML document indirectly by interacting with the **DOM**. With the document object model, JavaScript gets all the power it needs to create dynamic HTML:-

- JavaScript can change all the HTML elements in the page
- •JavaScript can change all the HTML attributes in the page
- JavaScript can change all the CSS styles in the page
- •JavaScript can remove existing HTML elements and attributes
- •JavaScript can add new HTML elements and attributes
- JavaScript can react to all existing HTML events in the page
- JavaScript can create new HTML events in the page

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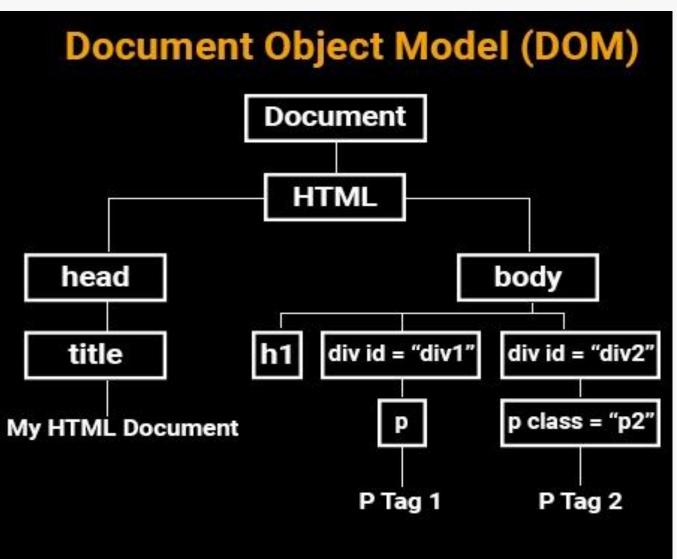
Properties of document object

(These are properties of document object that can be accessed and modified by the document object.)



JavaScript:DOM





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JavaScript :DOM

We can access and change the contents of document by its methods.

Methods of Document Object:

- write("string"): Writes the given string on the document.
- writeln("string") writes the given string on the document with newline character at the end.
- > getElementById(): returns the element having the given id value.
- **getElementsByName():** returns all the elements having the given name value.
- > getElementsByTagName(): returns all the elements having the given tag name.
- **getElementsByClassName()**: returns all the elements having the given class name.

Slide | 6 www.netlink.com

- Accessing field value by document object
- document.getElementById() method
- document.getElementsByName() method
- document.getElementsByTagName("name") (Here, name is required.)
- innerHTML

innerHTML

 The innerHTML property can be used to write the dynamic html on the html document.

• It is used mostly in the web pages to generate the dynamic html such as registration form, comment form, links etc.

innerText

- The innerText property can be used to write the dynamic text on the html document.
- Here, text will not be interpreted as html text but a normal text.

• It is used mostly in the web pages to generate the dynamic content such as writing the validation message, password strength etc.



Thank you

