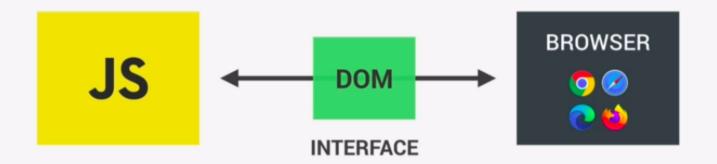
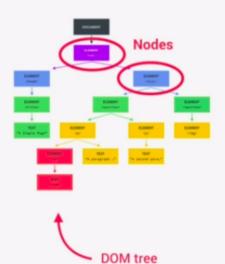
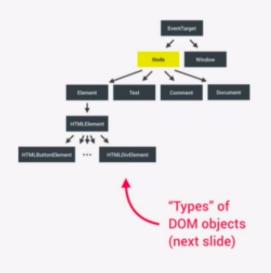
REVIEW: WHAT IS THE DOM?

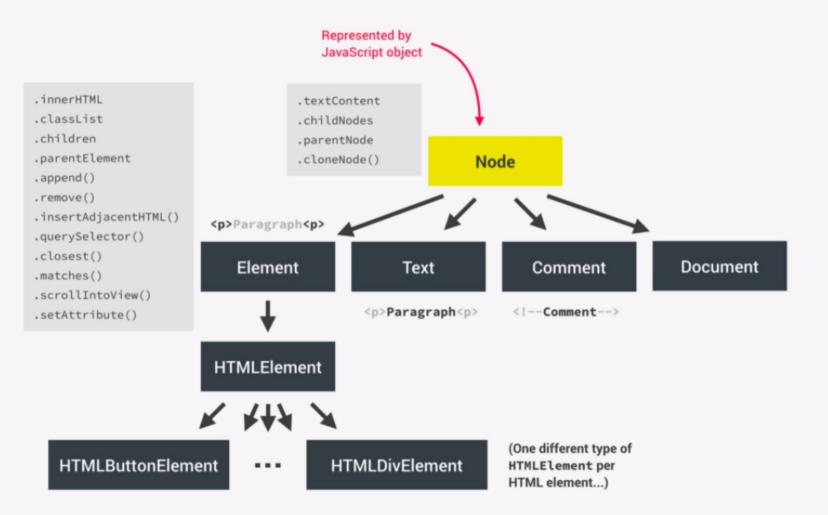




- Allows us to make JavaScript interact with the browser;
- We can write JavaScript to create, modify and delete HTML elements; set styles, classes and attributes; and listen and respond to events;
- DOM tree is generated from an HTML document, which we can then interact with;
 Application Programming Interface
- DOM is a very complex API that contains lots of methods and properties to interact with the DOM tree

```
.querySelector() / .addEventListener() / .createElement() /
.innerHTML / .textContent / .children / etc ...
```

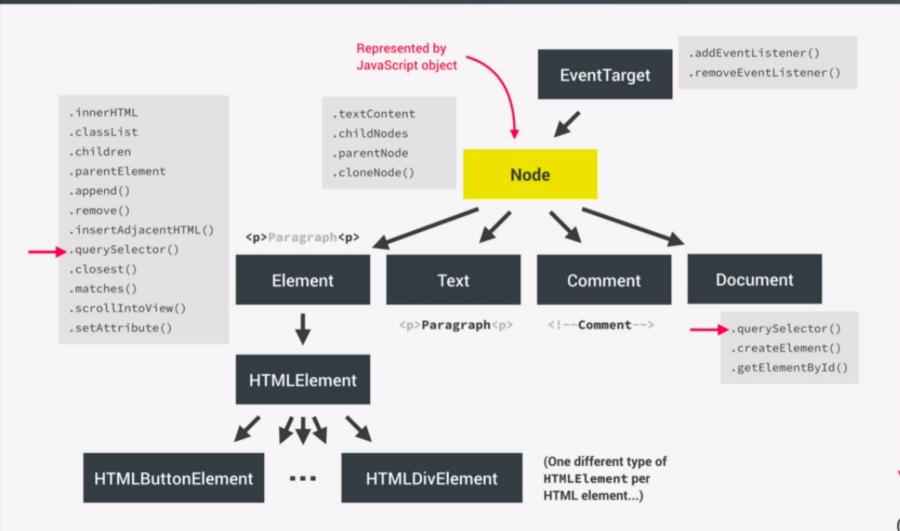




INHERITANCE OF METHODS AND PROPERTIES

Example:

Any HTMLElement will
have access to
.addEventListener(),
.cloneNode()
or .closest() methods.

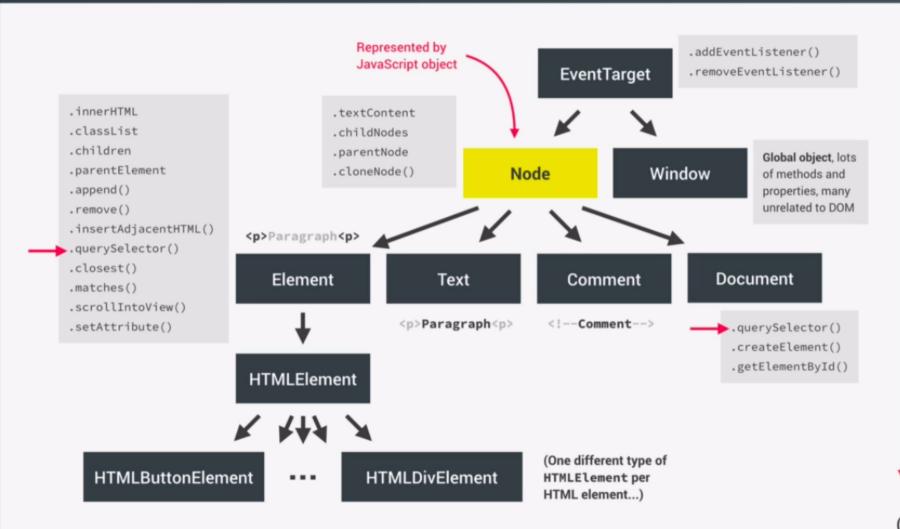


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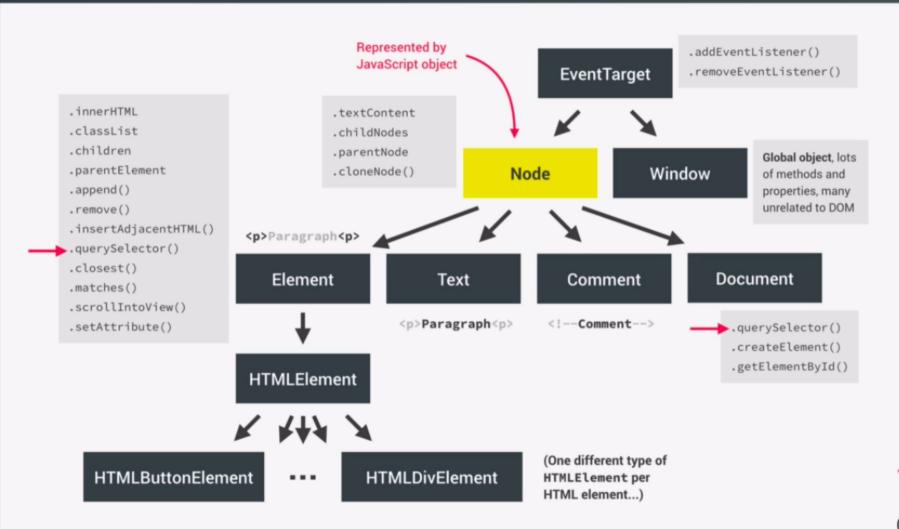


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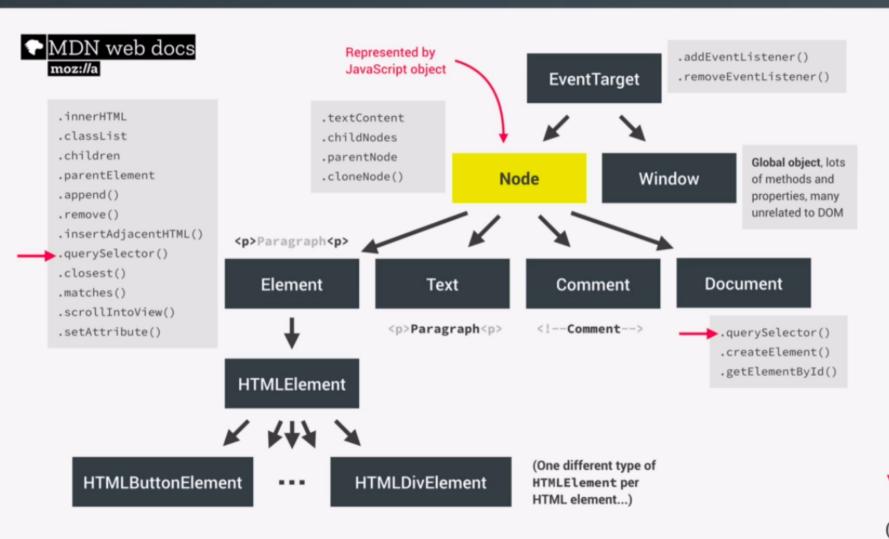


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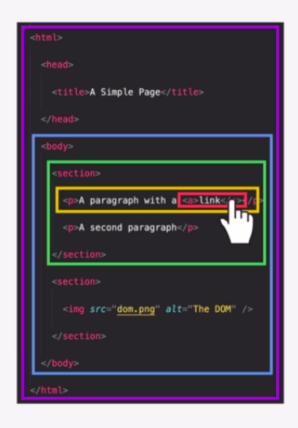
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Example:

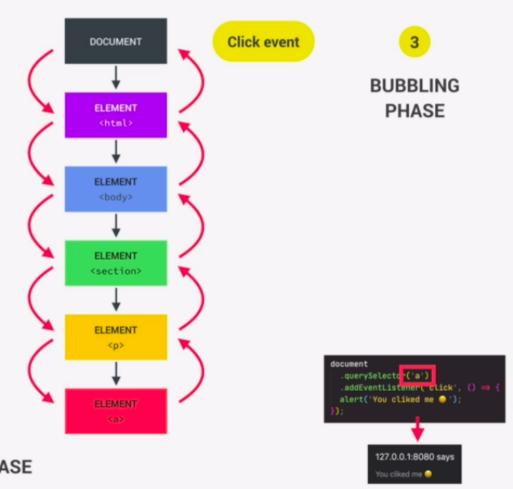
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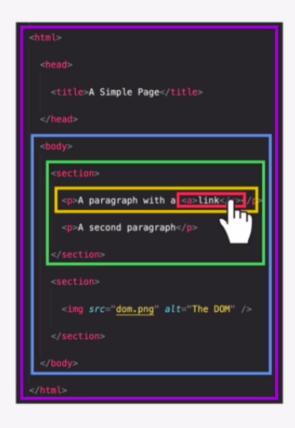
BUBBLING AND CAPTURING



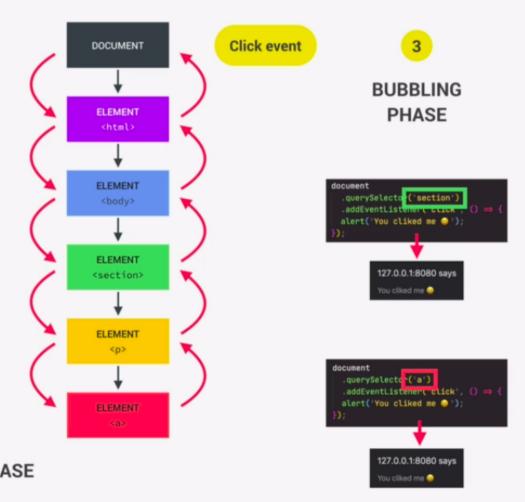
CAPTURING PHASE



BUBBLING AND CAPTURING

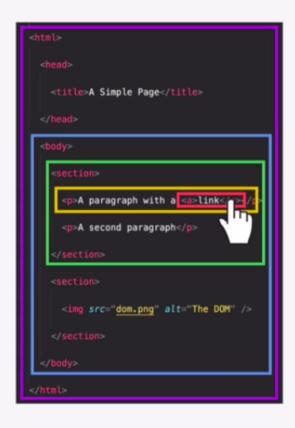


1 CAPTURING PHASE



TARGET PHASE

BUBBLING AND CAPTURING



CAPTURING PHASE

Click event DOCUMENT **BUBBLING** ELEMENT **PHASE** ELEMENT document .querySelecto ('section') alert('You cliked me @ '); ELEMENT 127.0.0.1:8080 says <section> You cliked me 🧼 ELEMENT .querySelector('a') .addEventListener(click', () ⇒ alert('You cliked me @ '); 127.0.0.1:8080 says You cliked me 🧼

(THIS DOES NOT HAPPEN ON ALL EVENTS)

2 TARGET PHASE