

JAVASCRIPT HTML DOM

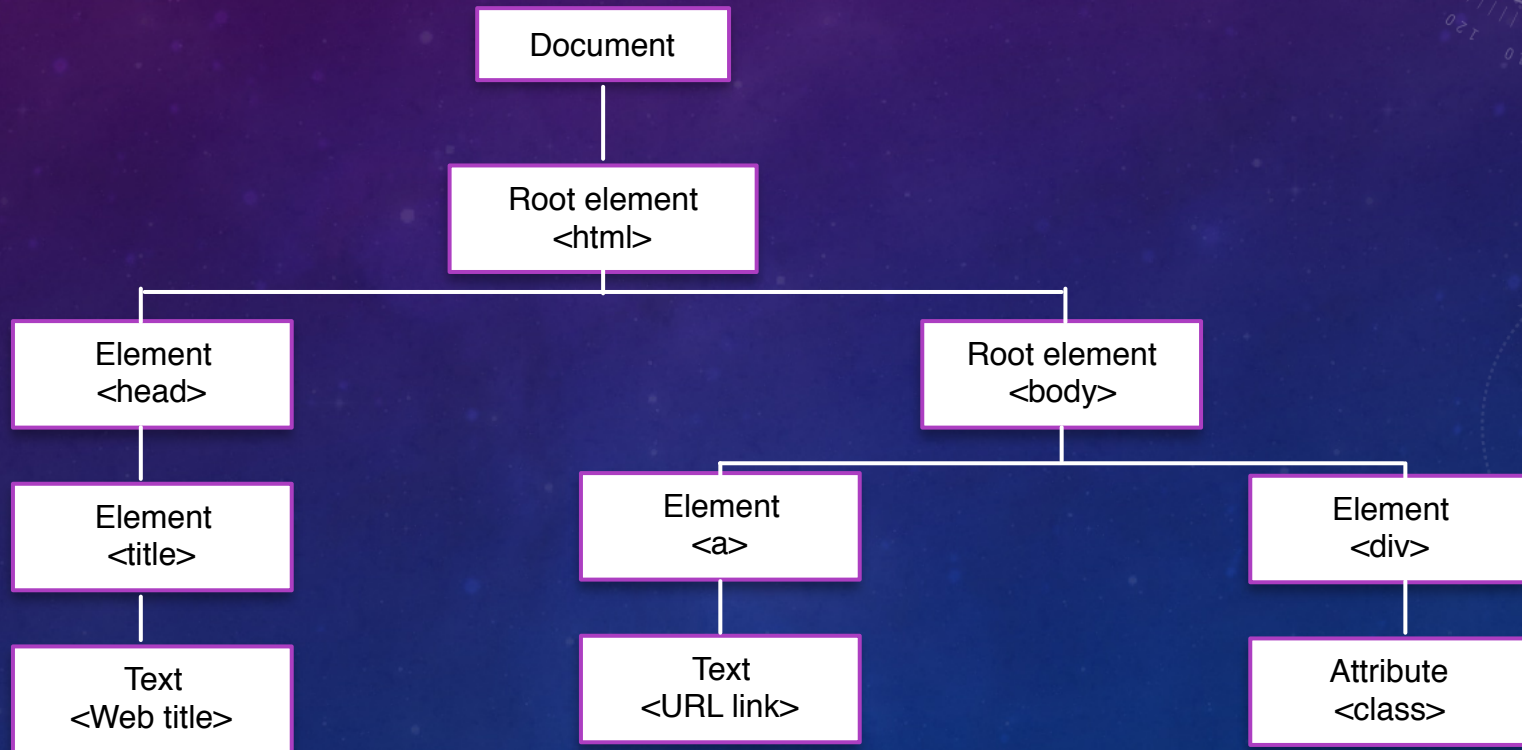
- WHAT IS JS HTML DOM
- JQUERY



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WHAT IS JS HTML DOM?

- Javascript can be used to access all the elements of an HTML documents



METHOD

Finding HTML Element

<code>document.getElementById(id)</code>	Find an element by element id
<code>document.getElementsByTagName(name)</code>	Find elements by tag name
<code>document.getElementsByClassName(name)</code>	Find elements by class name



METHOD

Change HTML Content

<code>document.getElementById(id).innerHTML = new HTML</code>	Change the content of HTML Element
<code>document.getElementById("myImage").src = "landscape.jpg";</code>	Change the value of HTML Attribute
<code>document.getElementById("p2").style.color = "blue";</code>	Change the style of HTML element



JS DOM EVENTS

A JavaScript can be executed when an event occurs, like when a user clicks on an HTML element.

```
<html>
<body>
<button onclick="this.innerHTML = 'Oops!'">Click on this text!</button> // bind event with javascript directly to this button
<button onclick="displayTextMessage()">Display Text!</button> // bind event with js function to this button
<script type="text/javascript">
    function displayTextMessage(){
        alert("Hello world");
    }
    //You can assign onclick event using Javascript
    document.getElementById("myBtn").onclick = displayDate;
</script>
</body>
</html>
```



JQUERY

JQuery is to make it much easier to use JavaScript on your website.

```
<html>
<head>
|   <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.2.1/jquery.min.js"></script>
</head>
<body>
|   <div class="demoWrapper">
|       <p id="demo"></p>
|   </div>
<script type="text/javascript">
|   //document ready is prevent any JQuery code running before the document finished loading
|   $(document).ready(function(){
|
|       });
|
|   //Shorter version of function
|   $(function(){
|
|       });|
</script>
</body>
</html>
```



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JQUERY EVENT

jQuery is tailor-made to respond to events in an HTML page.

```
<html>
<head>
  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.2.1/jquery.min.js"></script>
</head>
<body>
  <div class="demoWrapper">
    <p id="demo"></p>
  </div>
  <script type="text/javascript">

    //JS select DOM element with Id
    var demoDom = document.getElementById("demo");
    $("#demo") //jQuery version of select DOM element with Id

    //JS select DOM element with Class
    var demoWrapper = document.getElementsByClassName("demoWrapper");
    $(".demoWrapper") //jQuery version of select DOM element with Class

    //Javascript event listener
    demoDom.addEventListener("click", function(){
      alert("Clicked!");
    });

    //jQuery event listener
    $("#demo").click(function (){
      alert("Clicked!");
    });

  </script>
</body>
</html>
```




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RESOURCE

https://www.w3schools.com/jquery/jquery_selectors.asp



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