

DOM Manipulation

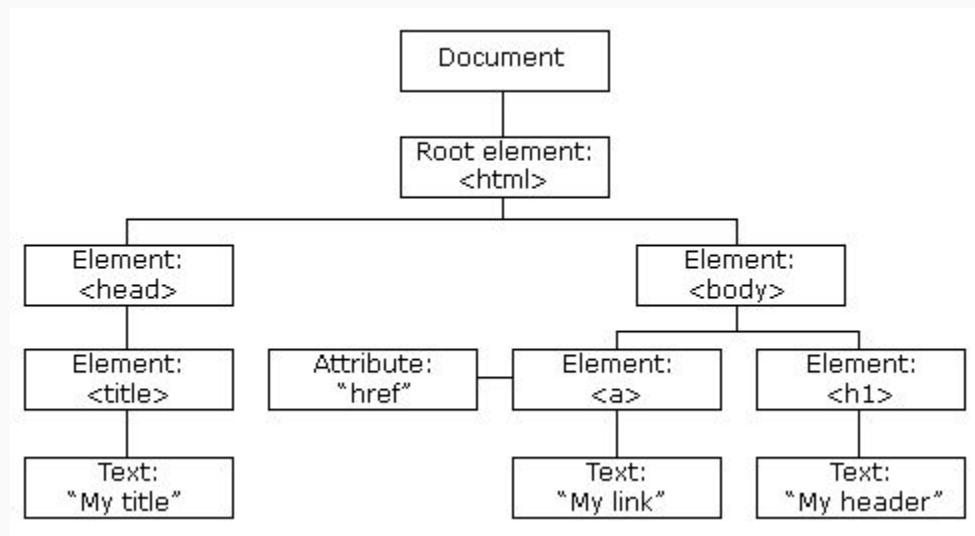
query and modify the HTML Document



document

- The HTML page
- Tree of elements
- Document Object Model of the page

DOM Tree



DOM Query

document

- getElementById
- getElementsByClassName
- getElementsByName
- getElementsByTagName

getElementById

```
document.getElementById("id_of_the_element");
```

```
<html>
```

```
[...]
```

```
<div id="id_of_the_element">
```

```
</div>
```

```
[...]
```

```
</html>
```

getElementsByClassName

```
document.getElementsByClassName("css_classname");
```

```
<html>[...]
```

```
<div id="song_1_title" class="title_song css_classname"> [...] </div>
```

```
<div id="song_1_author" class="author_song css_classname"> [...] </div>
```

```
[...]</html>
```

getElementssByName

```
document.getElementsByName("title_song");
```

```
<html>[...]
```

```
<div id="song_1_title" name="title_song"> [...] </div>
```

```
<div id="song_2_title" name="title_song"> [...] </div>
```

```
[...]</html>
```


getElementsByTagName

```
document.getElementsByTagName("div");
```

```
<html>[...]
```

```
<div id="song_1_title" name="title_song"> [...] </div>
```

```
<div id="song_2_title" name="title_song"> [...] </div>
```

```
[...]</html>
```

Element / Node

set / get HTML Content

ELEMENT.innerHTML

get Attribute by name

ELEMENT.getAttribute(NAME)

set / get Text Content

ELEMENT.textContent

set / get id

ELEMENT.id

DOM Create

document

- createElement
- createTextNode
- createAttribute

createElement

```
let div = document.createElement("div");
```

```
let div = document.createElement("div");  
div.innerHTML = "Hello ! Is it me you're looking for ?";  
document.body.appendChild(div);
```

createTextNode

```
let contentText = document.createTextNode("Hello ! Is it me you're looking for ?");
```

```
let div = document.createElement("div");  
let contentText = document.createTextNode("Hello ! Is it me you're looking for  
?");  
div.appendChild(contentText);  
document.body.appendChild(div);
```

createAttribute

```
let attribute = document.createAttribute("class");
```

```
var songTitle = document.getElementById("song_title");  
var songTitleClassAttribute = document.createAttribute("class");  
songTitleClassAttribute.value = "css_class_for_song_title";  
songTitle.setAttributeNode(songTitleClassAttribute);
```

DOM Remove

remove

```
document.getElementById("title_song").remove()
```

```
let songElements = document.body.getElementsByName("song");  
songElements[0].remove();
```

Manipulation time :)

<https://codepen.io/antoine-o/pen/PoYXrjp>

Then

<https://codepen.io/antoine-o/pen/QWLobOj>

And Finally

<https://codepen.io/antoine-o/pen/XWJQwXO>

Coming Next

How to interact with the user.

[Javascript Basics - 03 - User Interaction](#)