

CSC309 - Winter 2017

Lab 4 - DOM and HTML forms

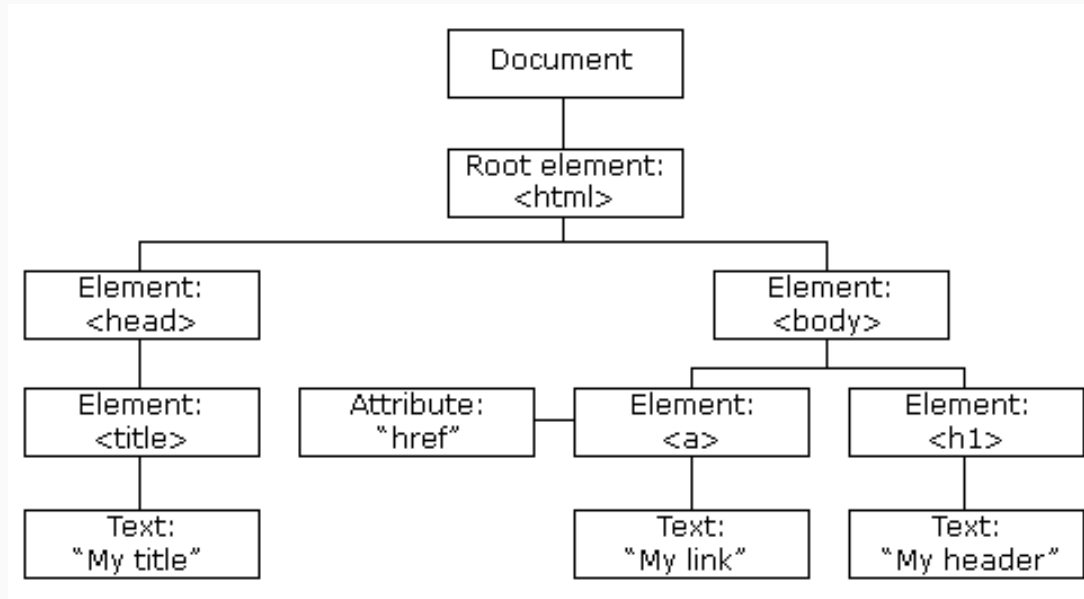


Document Object Model



- With the HTML DOM, JavaScript can access and change all the elements of an HTML document.
- When a web page is loaded, the browser creates a Document Object Model of the page.
- The HTML DOM model is constructed as a tree of Objects:

Document Object Model



- Let's try accessing DOM elements. In the lab3 code. ([Online Version](#))
- Open the console and try the following commands.
 - `document`
 - `document.getElementsByTagName('article')`
 - `document.getElementsByTagName('article')[0].outerHTML`

Document Object Model

Let's try changing color of these articles. Try in the console.

```
let articles = document.getElementsByTagName('article');
```

This should give you undefined, but that's because it's assigning a value to 'articles'. Try:

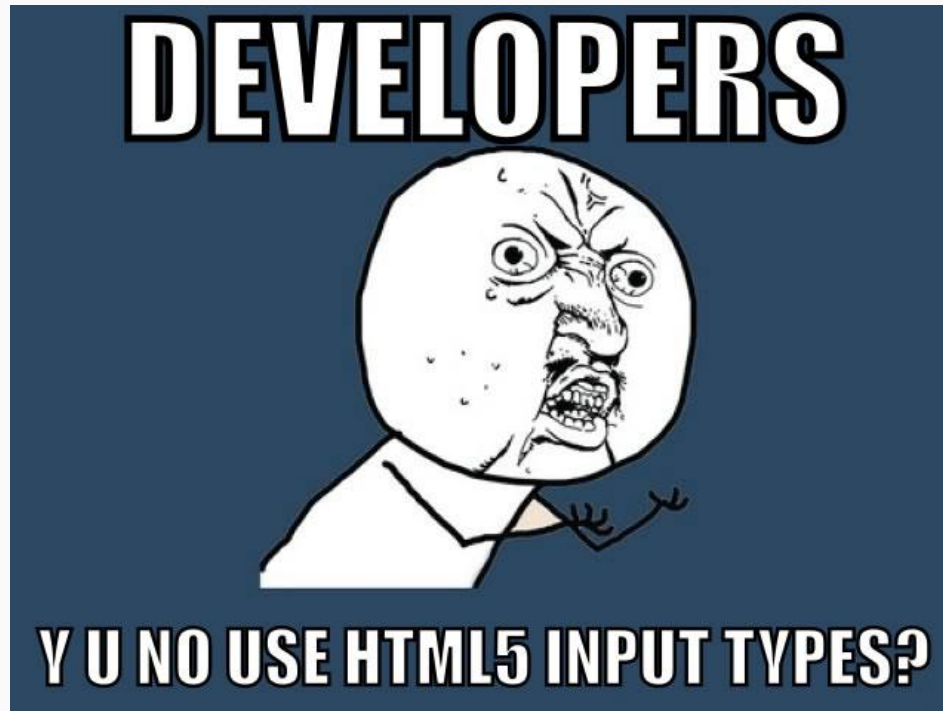
```
articles
```

This should have the same output as before. Now try:

```
for (var i=0; i<articles.length; i++) {  
  articles[i].style.backgroundColor = 'red';  
}
```

Cool, isn't it? That's what javascript does!

HTML Forms



- Go through the instructions in the lab code.
- Perform the node installation steps and make the contents serve from
`http://127.0.0.1:8000/`
- Read the comments to find your task in `tapp.html`

Quiz Time