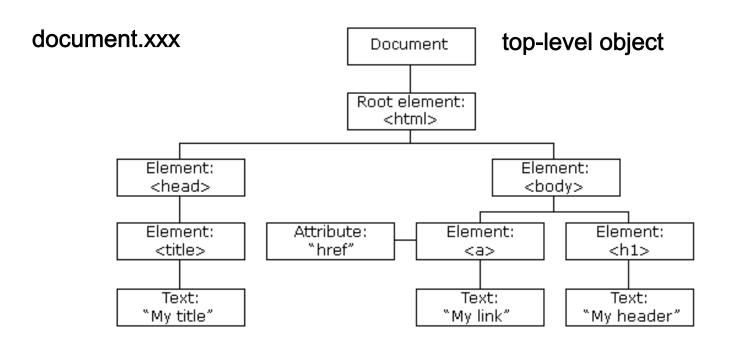
# **DOM Selectors**

#### Document

It all starts with the document, the root node



# Exercise

Open up the JS console and try these 4 lines:

```
document.URL;
document.head;
document.body;
document.links;
```

#### Methods

The document comes with a bunch of methods for selecting elements. We're going to learn about the following 5:

- document.getElementById()
- document.getElementsByClassName()
- document.getElementsByTagName()
- document.querySelector()
- document.querySelectorAll()

# getElementById

Takes a string argument and returns the one element with a matching ID

# getElementsByClassName

Takes a string argument and returns a list of elements that have a matching class

var tags = document.getElementsByClassName("bolded");

# getElementsByTagName

Returns a list of all elements of a given tag name, like or <h1>

# getElementsByTagName

Returns a list of all elements of a given tag name, like or <h1>

# querySelector

Returns the first element that matches a given CSS-style selector

# querySelector

Returns the first element that matches a given CSS-style selector

# querySelector

Returns **the first element** that matches a given CSS-style selector

# querySelectorAll

Returns **a list of elements** that matches a given CSS-style selector

# querySelectorAll

Returns **a list of elements** that matches a given CSS-style selector

#### Exercise

Come up with 4 different ways to select the first tag

<!DOCTYPE html>

<html>

```
<head>
                   <title>My title</title>
            </head>
            <body>
             < h1 > I am an h1! < /h1 >
              Hello
              Goodbye
              Hi Again
              Goodbye Again
            </body>
            </html>
document.getElementById("first");
document.querySelector("#first");
document.getElementsByClassName("special")[0]
document.querySelector(".special") //only return the first one
document.querySelectorAll(".special")[0]
document.querySelector("h1 + p")
```