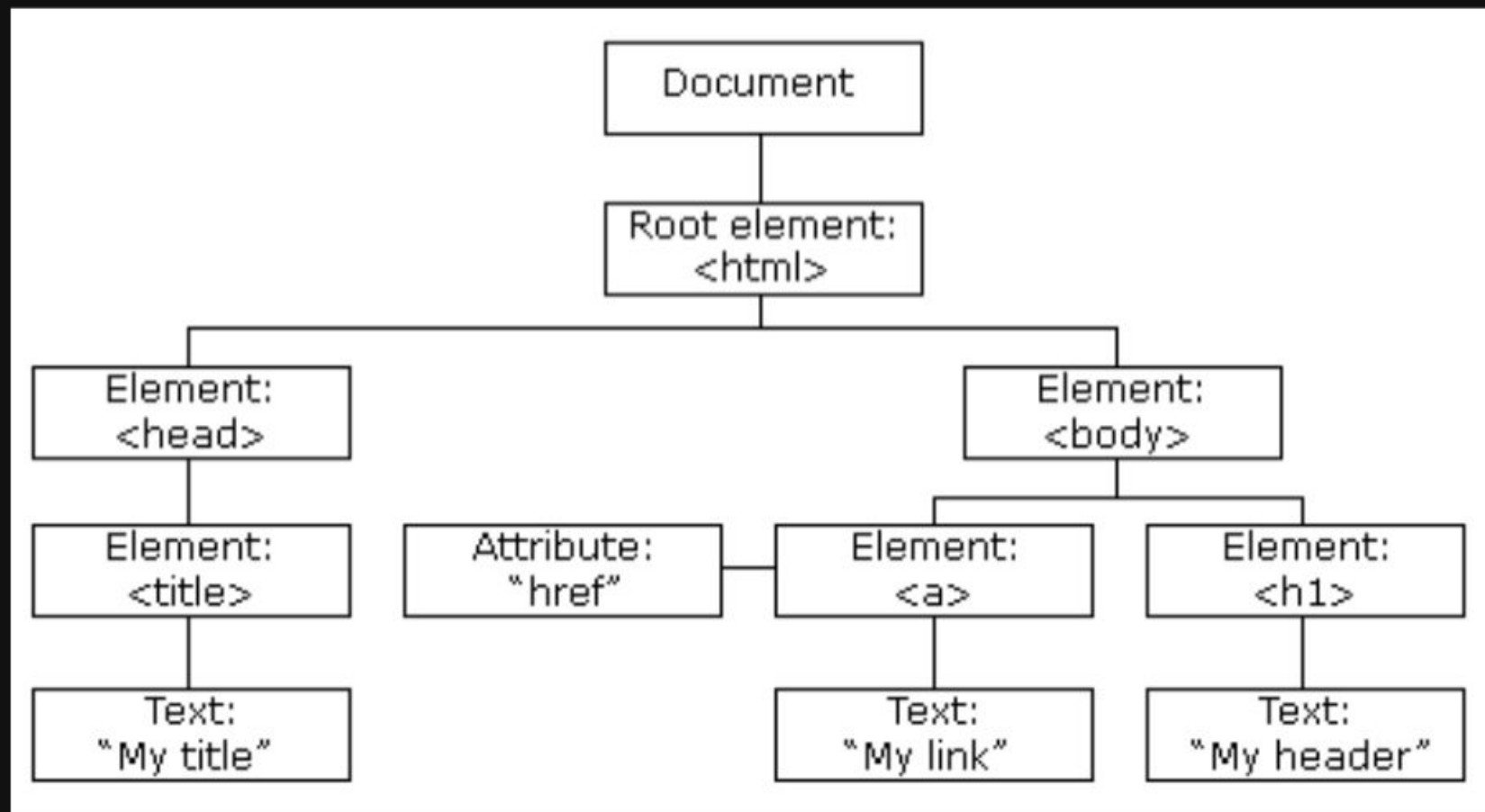


# Document

It all starts with the document, the root node



# getElementById

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

```
var tag = document.getElementById("highlight");
```

```
<body>
  <h1>Hello</h1>
  <h1>Goodbye</h1>
  <ul>
    <li id="highlight">List Item 1</li>
    <li class="bolded">List Item 2</li>
    <li class="bolded">List Item 3</li>
  </ul>
</body>
```

# getElementsByClassName

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

```
var tags = document.getElementsByClassName("bolded");  
console.log(tags[0]);
```

```
<body>  
  <h1>Hello</h1>  
  <h1>Goodbye</h1>  
  <ul>  
    <li id="highlight">List Item 1</li>  
    <li class="bolded">List Item 2</li>  
    <li class="bolded">List Item 3</li>  
  </ul>  
</body>
```

# getElementsByTagName

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

```
var tags = document.getElementsByTagName("li");  
console.log(tags[0]);
```

```
<body>  
  <h1>Hello</h1>  
  <h1>Goodbye</h1>  
  <ul>  
    <li id="highlight">List Item 1</li>  
    <li class="bolded">List Item 2</li>  
    <li class="bolded">List Item 3</li>  
  </ul>  
</body>
```

# getElementsByTagName

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

```
var tags = document.getElementsByTagName("h1");  
console.log(tags[0]);
```

```
<body>  
  <h1>Hello</h1>  
  <h1>Goodbye</h1>  
  <ul>  
    <li id="highlight">List Item 1</li>  
    <li class="bolded">List Item 2</li>  
    <li class="bolded">List Item 3</li>  
  </ul>  
</body>
```



# querySelector

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

```
//select by ID  
var tag = document.querySelector("#highlight");
```

```
<body>  
  <h1>Hello</h1>  
  <h1>Goodbye</h1>  
  <ul>  
    <li id="highlight">List Item 1</li>  
    <li class="bolded">List Item 2</li>  
    <li class="bolded">List Item 3</li>  
  </ul>  
</body>
```

# querySelector

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

```
//select by Class  
var tag = document.querySelector(".bolded");
```

```
<body>  
  <h1>Hello</h1>  
  <h1>Goodbye</h1>  
  <ul>  
    <li id="highlight">List Item 1</li>  
    <li class="bolded">List Item 2</li>  
    <li class="bolded">List Item 3</li>  
  </ul>  
</body>
```

# querySelector

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

```
//select by tag  
var tag = document.querySelector("h1");
```

```
<body>  
  <h1>Hello</h1>  
  <h1>Goodbye</h1>  
  <ul>  
    <li id="highlight">List Item 1</li>  
    <li class="bolded">List Item 2</li>  
    <li class="bolded">List Item 3</li>  
  </ul>  
</body>
```



# querySelectorAll

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

```
//select by tag  
var tags = document.querySelectorAll("h1");
```

```
<body>  
  <h1>Hello</h1>  
  <h1>Goodbye</h1>  
  <ul>  
    <li id="highlight">List Item 1</li>  
    <li class="bolded">List Item 2</li>  
    <li class="bolded">List Item 3</li>  
  </ul>  
</body>
```

# querySelectorAll

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

```
//select by class  
var tags = document.querySelectorAll(".bolded");
```

```
<body>  
  <h1>Hello</h1>  
  <h1>Goodbye</h1>  
  <ul>  
    <li id="highlight">List Item 1</li>  
    <li class="bolded">List Item 2</li>  
    <li class="bolded">List Item 3</li>  
  </ul>  
</body>
```