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 **GENERAL ASSEMBLY**

# FRONT END WEB DEVELOPMENT

Lesson: The DOM and Selectors

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# DOCUMENT OBJECT MODEL

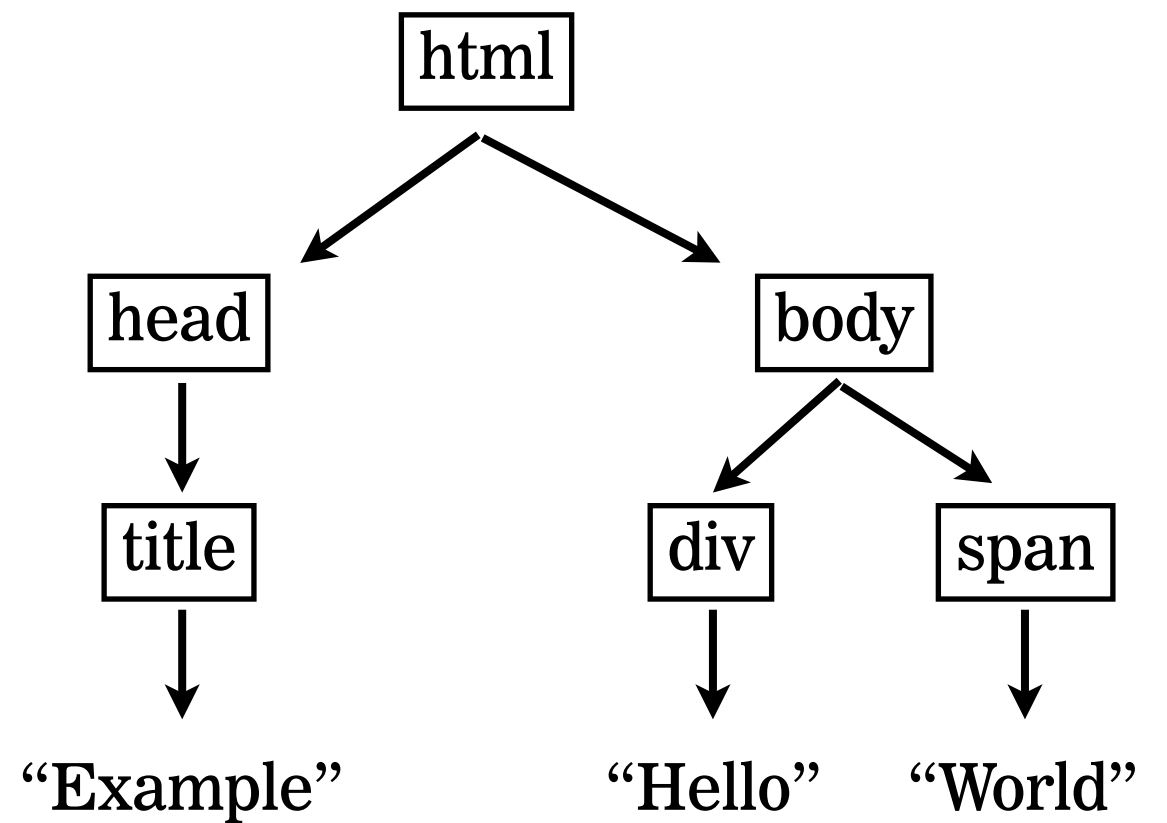
The structure of HTML documents

How a document should be accessed and manipulated  
(by JavaScript)

How the browser understands your HTML and CSS

## DOM

```
<html>  
  <head>  
    <title>Example</title>  
  </head>  
  <body>  
    <div>Hello</div>  
    <span>world</span>  
  </body>  
</html>
```



## HTML VS DOM

The browser is showing you the HTML + CSS that is stored in the DOM.

If we change things in the DOM, that changes are shown to us instantly!

Things like

- new/removed elements
- new/removed attributes
- new/removed styles

# **`$(DOCUMENT).READY()`**

This is why we have to wait for our document to be ready.

Jquery helps us to manipulate the DOM; it has to be there!

# LAB TIME

- What is the DOM
- Map out The DOM
- DOM Selectors

# JQUERY

## REVIEW – JQUERY

JQuery (jquery.com)

- a JavaScript library that makes DOM manipulation simple.
- “Cross browser”
  - works the same in all\* browsers.
- allows:
  - document traversal
  - css manipulation
  - event handling
  - animation



# JQUERY FUNDAMENTALS

\$ function

Finding elements on a page, use selectors with the \$ function:

- \$(" #searchBox")
- \$(".errors")

Returns an array of HTML elements you have selected.

## JQUERY – EDITING HTML

### **.html(htmlString)**

inserts (and overwrites!) the html inside the selected elements with the htmlString

### **.html()**

With no argument, it's returns the html inside the matched element

### **.text()**

can be used in both XML and HTML documents. The result of the .text() method is a string containing the combined text of all matched elements.

### **.append()**

Insert content, specified by the parameter, to the end of each element in the set of matched elements.

# **JQUERY – EDITING STYLE**

**.css(propertyName, rule);**

- Changes the inline CSS values for all matched elements.

**.css({prop1: val1, prop2: val2});**

- One argument: an object.
- Edit multiple properties at once.

**.css(propertyName);**

- Similar to .html(), when second arguments is not given, it returns the current value of the css property in question.

# LAB TIME

## Available Labs:

- jQuery DOM Manipulation
- Changing Cookie Monster
- DOM Insertion
- Account Object in the Browser

