The DOM

Summary

- What is the Document Object Model

- The Chrome Dev Tool

- How to use the console
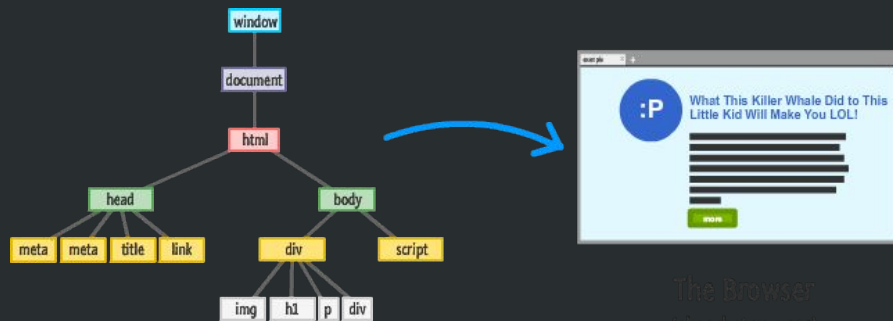
- How to change styles from the browser

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What is the DOM?

The Document Object Model (DOM) is a programming interface for HTML and XML documents. The DOM provides a representation of the document as a structured group of nodes and objects.

The Document Object Model (DOM) provides another way to represent, store and manipulate that same document. It is a fully object-oriented representation of the web page.

Elements in the DOM

Elements nested inside others have a parent and child relationship.

The Chrome Dev Tools

The Chrome DevTools are a set of web authoring and debugging tools built into Google Chrome. Use the DevTools to iterate, debug and profile your site.

- *Select **More Tools › Developer Tools** from the Chrome Menu.*
- *Right-click on a page element and select Inspect*
- *Use* `Ctrl/Cmd + Shift + I`

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The Chrome Dev Tools

Exercise

- Open the developer tools in Google Chrome.
- View the box model by hover over an element in the page with the *Select Element* button pressed.
- Click on the Elements tab (HTML panel) and hover on an element markup to see the box model highlighted too.
- Edit some values in your box model (the background color) and see the results immediately in the page.

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The Chrome Dev Tools

Second Exercise

- Download resources and open html file in Google Chrome.
- Open the console.
- Select the links under the tabs-title class.
- Change the display rule in the CSS to see changes.
- Change the color of every blue button and make them purple (#6843DC).
- Change the body background color.
- Are these changes permanent? Why?

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