

Intro to Web Design and Computer Principles

CSCI-UA 4 005

3:30 PM - 4:45 PM

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Introduction to Javascript



JS

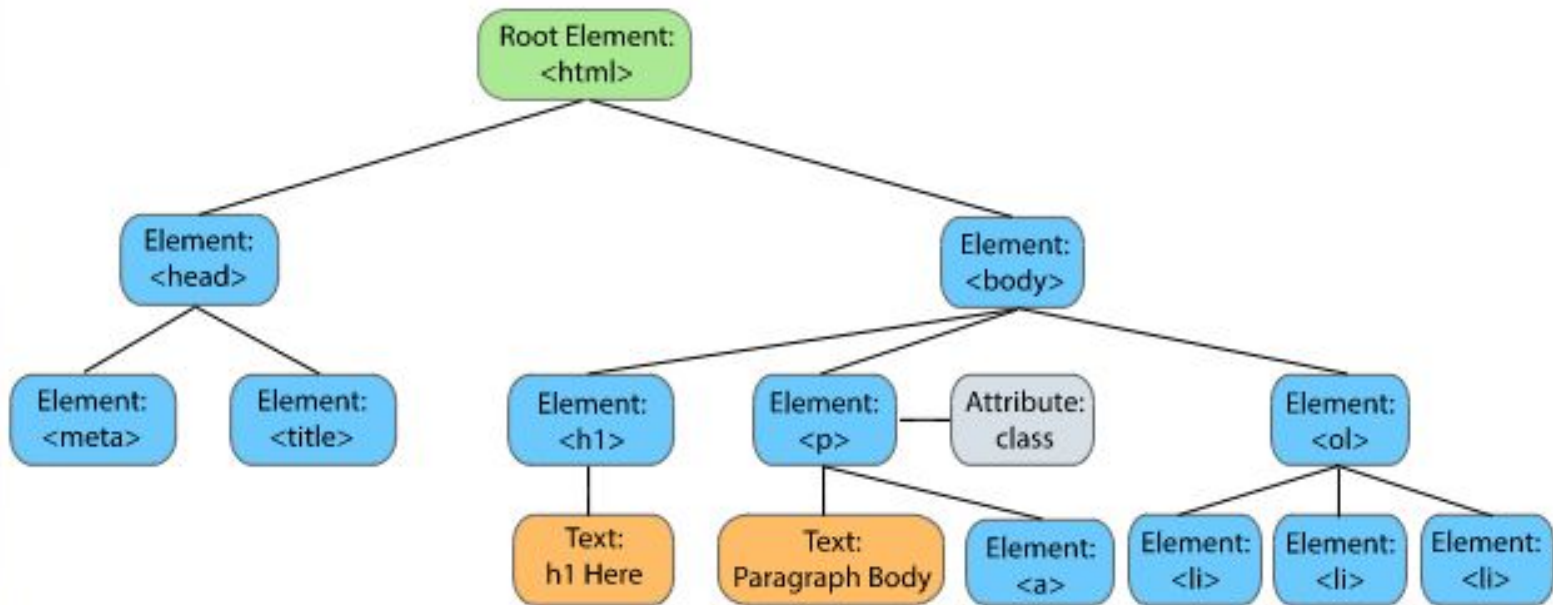


Document Object Model (DOM)

When a browser loads a web page, it creates a model of that page

This is called a “DOM tree” and it is stored in the browser’s memory

Every element, attribute, and piece of text in the HTML is represented by its own “DOM node”





Types of DOM nodes

There are four main types of nodes.

- The Document node, which represents the entire page
- Element nodes, which represent individual HTML tags
- Attribute nodes, which represent attributes of HTML tags, such as class
- Text nodes, which represents the text within an element, such as the content of a p tag

We talk about the relationship between element nodes as “parents,” “children,” and “siblings.”



DOM Queries

JavaScript methods that find elements in the DOM tree are called “DOM queries”

DOM queries may return one element, or they may return a “node list”

Which DOM query you use depends on what you want to do and the scope of browser support required

For Example: JavaScript methods that return a single element node:

- `getElementById()`
- `querySelector()`