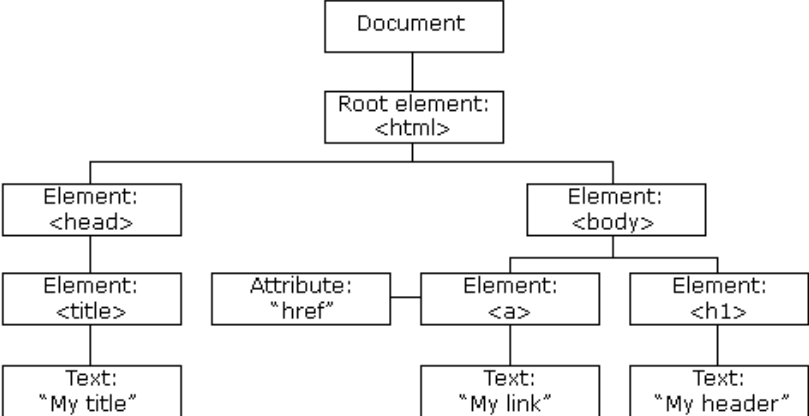


INFO 2302 Web Technologies

Javascript.DOM 01

[JavaScript DOM Tutorial \(javascripttutorial.net\)](http://javascripttutorial.net)

Main Points/ Key Points	<h3>DOM</h3> <p>When a web page is loaded, the browser creates a Document Object Model of the page.</p> <p>The HTML DOM model is constructed as a tree of Objects:</p>  <p>Javascript can change, remove, or add new</p> <ul style="list-style-type: none">• HTML elements or attributes• CSS <p>Javascript can react or create</p> <ul style="list-style-type: none">• HTML events
	<h3>Selecting elements</h3> <ul style="list-style-type: none">• <code>getElementById()</code> – select an element by id.• <code>getElementsByName()</code> – select elements by name.• <code>getElementsByTagName()</code> – select elements by a tag name.• <code>getElementsByClassName()</code> – select elements by one or more class names.• <code>querySelector()</code> – select elements by CSS selectors.
	<h3>Manipulating elements</h3> <ul style="list-style-type: none">• <code>createElement()</code> – create a new element.• <code>appendChild()</code> – append a node to a list of child nodes of a specified parent node.• <code>textContent</code> – get and set the text content of a node.

	<ul style="list-style-type: none"> • innerHTML – get and set the HTML content of an element. • innerHTML vs. createElement – explain the differences between innerHTML and createElement when it comes to creating new elements. • DocumentFragment – learn how to compose DOM nodes and insert them into the active DOM tree. • after() – insert a node after an element. • append() – insert a node after the last child node of a parent node. • prepend() – insert a node before the first child node of a parent node. • insertAdjacentHTML() – parse a text as HTML and insert the resulting nodes into the document at a specified position. • replaceChild() – replace a child element by a new element. • cloneNode() – clone an element and all of its descendants. • removeChild() – remove child elements of a node. • insertBefore() – insert a new node before an existing node as a child node of a specified parent node. • insertAfter() helper function – insert a new node after an existing node as a child node of a specified parent node.
	<p>Working with attributes</p> <ul style="list-style-type: none"> • setAttribute() – set the value of a specified attribute on a element. • getAttribute() – get the value of an attribute on an element. • removeAttribute() – remove an attribute from a specified element. • hasAttribute() – check if an element has a specified attribute or not.
	<p>Manipulating Element's Styles</p> <ul style="list-style-type: none"> • style property – get or set inline styles of an element. • getComputedStyle() – return the computed style of an element. • className property – return a list of space-separated CSS classes. • classList property – manipulate CSS classes of an element. • Element's width & height – get the width and height of an element.