



DOUGLAS COLLEGE

COMMERCE AND BUSINESS ADMINISTRATION
COURSE OUTLINE AND SCHEDULE

CSIS 1280: MULTIMEDIA WEB DEVELOPMENT

JavaScript - HTML DOM Methods & Properties

- HTML **DOM methods** are **actions** you can perform (on HTML Elements).
- HTML **DOM properties** are **values** (of HTML Elements) that you can set or change.

DOM Methods for Finding Elements

Method	Description
<code>document.getElementById(id)</code>	Find an element by element id (returns one element)
<code>document.getElementsByTagName(name)</code>	Find elements by tag name (returns a collection of elements)
<code>document.getElementsByClassName(name)</code>	Find elements by class name (returns a collection of elements)
<code>document.getElementsByName(name)</code>	Find elements by name (returns a collection of elements)
<code>document.querySelector(CSS selectors)</code>	returns the first element that matches a specified <i>CSS selector(s)</i> in the document.
<code>document.querySelectorAll(CSS selectors)</code>	returns all elements in the document that match specified CSS selector(s)

DOM Properties & Method for Changing HTML Elements

Property	Description
<code>element.innerHTML = new html content</code>	Change the inner HTML of an element
<code>element.attribute = new value</code>	Change the attribute value of an HTML element
<code>element.style.property = new style</code>	Change the style of an HTML element

Method	Description
<code>element.setAttribute(attribute, value)</code>	Change the attribute value of an HTML element

Methods for Adding and Deleting HTML Elements

Method	Description
<code>document.createElement(element)</code>	Create an HTML element
<code>element.appendChild(child)</code>	Appends a specified child to the element
<code>node.cloneNode([deep])</code>	Returns a duplicate of the node. deep parameter is optional. If true, then node and its whole subtree is also copied. If false, only node will be cloned.
<code>parentNode.insertBefore(newNode, referenceNode)</code>	Inserts a node before a reference node as a child of a specified parent node.
<code>node.removeChild(child)</code>	Removes a child node from the DOM
<code>parentNode.replaceChild(newChild, oldChild)</code>	Replaces a child node within the given (parent) node.
<code>document.createTextNode(data)</code>	Creates a new text node

Methods Adding Events Handlers

Method	Description
<code>document.getElementById(id).onclick = function(){code}</code>	Adding event handler code to an onclick event
<code>element.addEventListener(event, function, useCapture)</code>	Attaches an event handler to the specified element. You can add many event handlers to one element.

Sources of Material:

<https://developer.mozilla.org/en-US/docs/Web/API/node>

https://www.w3schools.com/js/js_htmlDOM_document.asp