## **Tutorial 3**

For this tutorial we'll look at some basic JavaScript. Take a look at the JavaScript code in the link below for basic examples of:

- getElementsByTagName, getElementById, querySelector
- parentNode, childNode children, firstChild, lastChild
- getAttribute, setAttribute, classList
- createElement, createTextNode, appendChild
- · changing style properties,
- · load and click event handlers

## https://github.com/uwi-info2180/info2180-tutorial3

Download (or clone the above repository with Git) to your own computer and open the index.html file in your web browser. Experiment with the page by commenting (and uncommenting) some of the code in the app.js file so you can see the different outputs or the effect it has on the page.

**NOTE:** The Console will be helpful when experimenting with the code at the link above in your browser.

## **Discussion Questions**

- JavaScript primarily runs on the client-side in your web browser. Can you also use it on the server-side? If so, what allows for this?
- What are the different ways of adding JavaScript to your web pages?
- What are the 3 ways of defining a variable in JavaScript?
- What is the Console and how is helpful in JavaScript development?

- Why would you want to use console.log() instead of alert() during development?
- In what instances could you get the value of NaN?
- What is the Document Object Model (DOM)?
- What are some functions you know of that allow you to find elements or manipulate elements in the DOM?
- What is the difference between children property and childNodes
  property? Ans. childNodes contain all nodes, including text nodes
  (Note: Any whitespace between elements will also create a text node)
  and comment nodes, while children only contains element nodes.
- What are different JavaScript events that you know of?
- What are 3 ways of attaching an event?