ITEC 2340 Scripting Languages

**Final Project Requirements – 200 pts Due: Tuesday, October 13th, 2020**

The final project for this class is add JavaScript to a website. This can be a new website that you have conceptualized or to an existing website project from another class. Please provide the following deliverables:

1. Website – 60 pts
   * Four fully developed pages
     + Index.html/info.html/portfolio.html/form.html
   * One page must include a form, which will accept user input
     + Form.html (contact me page)
     + Form must include at least three of the following field types:
       - Text boxes
       - Option buttons
       - Text areas
     + Form must include a selection list of at least five options
     + Form must have a Submit button and a Clear Button
   * One page must a Confirmation Page that the form has been submitted
     + Had a separate page but decided to merge, so code for this is towards the bottom of form.html
   * Pages must pass validation
2. Mathematical Calculation – 20 pts
   * One Page must include a mathematical calculation based on user input
     + Info.html/size.js (information page)
     + ***Idea****- a calculator like the calculator applications we modified in Chapter Exercise 7-1*
3. Control Statements- 25 pts
   * A feature on one of the web pages that incorporates content or functionality created by a series of *if*, *if/else* and */or else if*or a *switch*statement.
   * ***Idea****- see the Invoice Application in Chapter 8*
     + Library\_event.js (home page)/size.js (info page)
4. User Form Validation– 30 pts
   * Validation code for the form on your website
     + Library\_validate.js/library\_validate\_form.js
     + Ensure that users enter values or makes selections in all fields
   * Exception handling to the code for the form on your website
     + Provide appropriate feedback to users when the form validation fails
       - Library\_fields.js (form page)
     + ***Idea****- see the Chapter Exercise 12-2 Enhance the Register application*
5. Home Page Slideshow – 30 pts
   * The Home page of your website must include a slideshow created using JavaScript
     + Index.html (home page)/library\_slide\_show.js
     + ***Idea****- see the Chapter 13 Slideshow information*
6. Array – 25 pts
   * Enhance the form in your project to enable users to choose one or more options from the selection list element
     + While holding CTRL down sure otherwise I wasn’t sure how to do that (:
   * Include code that adds the user selections to an array
     + Ensure that is the user deselects one of the options, it is removed from the array
     + ***Idea****- see the Chapter 9 and you may have to do some Internet research as well.*
     + Library\_navigate.js/form.html (contact me)
7. Documentation – 10 pts
   * Provide documentation in a Word document that identifies what area in your website each of the above functionalities are located.