**Due: Wednesday, March 15th**

**Description:** Continue to modify and expand your website. In particular, you will make use of JavaScript (JS) to add functionality to the website. Further, for the “Informational page” from project #2, you will **separate structure, style and content**.

1. Create a data source file (either using XML or JSON) that defines the content for the Informational page from project #2. Whichever method you use, it should enforce the categories previously defined. It should also include references to the appropriate images for each item.
2. Modify the Informational to **generate HTML** from the above data source. Implement JS routine to load the data and generate the associated HTML for your web page (e.g., fill in the content of a <div> element). The updated page must **include a drop down control** for selecting by category what data is to be viewed. For example, if a user wants to see only those employees in the Sales Dept, they will make the appropriate choice on the control and only those individual will be rendered. The drop box should also have a [default] ALL choice which will display everything. Rely on the data source to define the appropriate categories; these categories will be the basis for displaying a particular element or not. Continue to use CSS for styling.
3. Create a new page that contains a form. The purpose of this form is to compute the cost of some product, service or loan related to the business. You will use JS to implement this form. The inputs to the form need to be validated and the user alerted when there is an error. You have free license to improvise here, but the form must do some calculation that involves money ($). Some examples:
   * + The form the user to input the car price, down payment, interest rate and term. When the form is filled out, it will calculate the corresponding payment, including the cumulative interest and total cost of the purchase (original price + fees + tax + interest).
     + If the user is purchasing a service, the form will allow them to customize the parameters of that service. Ultimately, the user will be able to change the parameters to meet their target cost.
     + All calculations done by the form **must be correct**. It should also validate input data for errors. You will not get partial credit only if you implement a form that is too trivial (e.g., calculating sales tax only) and/or produces incorrect results.

**Caveats:**

* The user must be able to transition back and forth between any site pages using the site’s navigation controls. Suggest you start making header and Navigation bar consistent across all pages.
* There is extra credit if you integrate an XML/JSON data source with the form. For example, if the user selects an item they want to purchase from inventory, then the price form field is automatically filled in from the external data.
* You must use JQuery in at least one of these pages. Ideally, you will use JQuery in the following three capacities: 1) as JS shorthand, 2) to implement som visual effect, and 3) to perform some aspect of form processor or validation. **Include a README file with your submission that briefly explains how you used JQuery. The more substantial the use of JQuery, the better your grade.**

**Submission:** Keep all project materials in a hierarchical directory structure. Create a zip file for the root directory (containing all subdirectories) and upload to D2L.