**CIS 271 – Web Application Development**

**Final Project Guidelines**

**Description**

As you have learned, JavaScript is a scripting language that allows you to perform different tasks on the client’s computer. For your final project you are to design and develop a simple website that makes use of JS to make the website more interactive to the user. In this project, you are going to focus on the functionality of the website and on the looks! We are focusing on proper coding of HTML5 and JS. The website is worth 40% of your semester grade.

**Your Task**

You are to develop a website with the following requirements:

**Web Site Design**

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| --- | --- | --- |
| **Website Design / Proposal** | * Complete your website planning activity (assignment 3) and include it in your submission * Site does NOT exceed 10 pages | 10 points |
| **Coding** | * Documented pages (Comments where appropriate) | 10 points |
| **Website structure** | * Website Structure is logical. Files and folders are well organized. | 5 points |

**Styling and Programing**

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| **Forms / Event Listeners** | * Within the form, the student removes the default submit behavior and displays error messages that are appropriate to the requirements below. * Within a form, the student Identifies that 2 or more fields have a minimum size (for example, at least 4 characters) * Within a form, the student identifies that a field is empty and is required. * Within a form, the student identifies that at least one field contains special characters | 25 points |
| **Conditional Statement** | * Within the website, conditional statements are used to appropriately check for several conditions | 15 points |
| **Grids/Flexboxes** | * Use either grids or flexboxes in the styling of your website. This should help the website be accessible on both desktops and mobile devices. | 15 points |
| **API** | * The student successfully uses an API to retrieve live data from a source, or parses successfully through an appropriate JSON file. | 10 points |
| **JS or CSS  Plugin or Addon** | * Within the website, the student uses a plugin or addon from an outside source and modifies it to be used on their website * On your JS/CSS file, clearly state where the plug-in came from, and HOW it is being implemented in your website.   (See the resources folder on our Blackboard for some tutorials that might interest you) | 10 points |

**Technical Presentation**

During the final day of class, you are required present your website to your professor and classmates. Your presentation should go over all of the features of the website. Although there is no formality to the presentation, you should assume that you are developing your website to a company. Your goal is to convince everyone that your website is the best fit for the company.

To test the functionality of your website, at the end of your presentation you will be asked to insert several input data into the website.

Your presentation is worth 10% of your semester grade.