**CS 648  
Assignment 5**

In this assignment, your job will be to redo a website built with CSS using Sass. When you open the assignment files, you will notice that the home page for the Vecta Corp. website is already complete. Your job will be to comment out the styles.css file within index.html and then redo the content using Sass instead. You will need to use several Sass features to accomplish this task and your usage of those features will determine your final grade for this assignment. Those features are outlined below.

**Total: 50 points**

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| **Point(s)** | **Description** |
| **5** | Install and configute Gulp for your assignment. Create a Gulp file and have Gulp handle the compilation of your SassScript. You should have a src folder and a dist folder in your project. Look up how to use a .gitignore file. I want you to ignore files (when pushing to GitHub) that are not necessary for the project to function (think nodule\_modules folder, package.json, etc.). |
| **5** | Create at least 3 partials. Ideally you will have one for variables, navigation, and one for mixins. But you are not limited to 3 partials. Create as many as you think you will need. |
| **5** | Add Sass variables for the all the colors, image paths, and web fonts. |
| **10** | Create at least 3 Sass mixins for all of the generic boxes including logo, navigation menu, header, content areas, and footer. Your mixins should also contain default parameters for the properties that you are setting within the mixin. |
| **10** | Create a Sass nested rule for the navigation menu and child elements. |
| **5** | Use a math operation somewhere in your code. |
| **10** | Create a mixin similar to the break() mixin that we built in the exercises. This mixin should handle the media queries for the web page. |

**NOTE: All of the media queries within the page should also conform to Sass.**