

# CSCI 39575 Project 1: Website Design

## Description:

Break up into groups of 3-6. Then, choose a cause that your group really cares about and put together a small informational website using HTML/CSS trying to convince people to donate to or help out this cause. This site should have at least as many pages as there are group members (with a minimum of 3) and look as professional as possible using modern design trends. Research similar websites to get inspiration.

Then each member should take a page and illustrate the DOM tree as a graph. Each member should also create a data structure similar to an adjacency list which lists each element in the Dom and its attributes (does it have parents, siblings, children, how many edges connect to the node and leave the node and possibly other attributes).

The main goal of the project is to work as a group to create a website that will be hosted on GitHub pages.

Once you have decided on a cause, begin by selecting one teammate to create a Git repo with an index.html file, push it to GitHub, then add the other teammates as collaborators on the repo. Throughout this project each teammate should be communicating often and using GitHub effectively. Remember no one should be working off Master so create branches, resolve merge conflicts, and create and close issues.

# CSCI 39575 Project 1: Website Design

Rubric: This project is graded out of 30 points

- The website itself (12 points each bullet below is worth 3 points)
  - HTML and CSS is properly formatted and the pages contain at least text and links to other pages (images and other media is recommended)
  - At least as many pages as there are members
  - Users can clearly navigate throughout the website using hyperlinks on menus and every relevant page is accessible from every other page (think nav bar navigator)
  - The website has thoughtful styling applied
- The collaborative portion of the assignment (7 points)
  - Create issues for each of the different pages and aspects of the site and assign each to a teammate. You'll be expected to create at least two issues per team member (3 points)
  - Make sure that the commit messages for commits involving each issue reference the issue. For instance, `git commit -m "Menu completed, closes #14"` (2 points)
  - You all work off of different branches throughout the course of the project and merge and close branches as issues are complete (2 points)
- The graph portion of the assignment (5 points each student should submit this as a separate submission on Blackboard with the question set below)
  - Each member created a document model object tree of at least one page (2 points)
  - Each member created an adjacency list or matrix of a page (1 point)
  - Each member creates a data structure that details the different attributes of each node and the general attributes of the graph (more details on this and an example will be available later on GitHub) (2 points)
- A question set after completing the project above (6 points, each student should answer and submit their own individual question set with the graph portion above)