Call for Proposals: COMP 3700 Term Project and Presentation

100 Points

Due: October 23, 2023

You will develop an interactive web page or site that is creative, original, substantial and cool. At a minimum, your solution will use HTML, CSS and JavaScript. You will present your project to the class during our final exam period.

For ease of reference, I will refer to your solution as a "site" even if it only has one HTML file.

Here are specifications.

1. Your web site must be dynamic. Beyond that, this assignment is pretty wide open. It is possible to program complete games using only client-side JavaScript. Pong is a classic example but there are lots of others. There are JavaScript game engines. It could be a practical application – there are tons of JavaScript calculators and tutorials for programming them. Same for slideshows. You could develop a programmable Turing Machine that animates. An encryption simulator. A sort animator. A card game. Something you can use at work. If you want to take a walk on the server side, your project can include both client-side scripting with JavaScript and a server written using Node.js. It's actually pretty easy to set up a basic server and you get the advantages of server-side processing such as access to the file system. You will not be penalized for attempting but not completing an ambitious project. **(75 points)**

2. Although your idea need not be original, your code must be original. It is OK to write your site to mimic an existing one, and it is OK to view the code from other sites, but you are responsible for composing your own solution. Be sure to credit your sources and inspirations. JavaScript uses the same comment marks as Java.

3. HTML, CSS, and JavaScript must be used appropriately and maintained in separate files. In other words, don't use HTML attributes for styling that should be done using CSS, and don't place CSS or JavaScript code inline in the HTML file. Projects that use React or Python are also acceptable. **(5 points)**

4. During the last week of class and during the final exam period we will have project presentations in which you will present and demonstrate your project to the class. Your presentation will be between 10 and 12 minutes long, including Q&A. **(20 points)**

Send me a proposal no later than next Monday October 23. That gives you at least 35 days to complete the project.