**Lab 1**

**Due 9/17 before you walk in the door**

Create a new folder in your group repo for this assignment, in which everything for this lab will be placed. Host the final product in your group VM in a directory named “constitution” – aka [http://[yourGroupVMname].eastus.cloudapp.azure.com/constitution](about:blank)

**This site must be public!**

All code goes in your group repo, also in a directory named “constitution.”

9/17 is Constitution Day. There’s a law that says all schools with Federal funding need to have some sort of programming about the history of the Constitution on that day (surprise: all universities benefit from Federal funding). But we’re ITWS: we can do better than just one day or just a couple of minutes.

Each group will make their own interactive Constitution web app/site. There is a full copy of the text here: <https://constitution.congress.gov/constitution/>

Copy and paste the text (Articles and Amendments, please) into your new site.

Once you’ve marked up the document well, annotate the Constitution with a more in-depth analysis (suitable for teaching other RPI students) of the Articles and Amendments. The goal is to help increase civic understanding and civic participation (think: how is the Constitution relevant in your lives today?). There are lots of web apps/sites that do this: google around for inspiration, but don’t steal their analysis verbatim (that’s plagiarism!). The analysis has to be in your own words, and **must** feature your own ideas about these things. A single sentence or two won’t do! You also **must** discuss the history of the Constitution somewhere in your app!

You may (read: should) use some combination of HTML, CSS, JavaScript, (optionally) PHP, and (optionally) MySQL. Shake off the cobwebs from Intro!

Your HTML and CSS must validate. It is -5 points if there are warnings and/or errors in your HTML. It is -5 points if there are warnings and/or errors in your CSS. Ergo, you can lose 10 points if you have warnings and/or errors in both your HTML and CSS.

We will be showcasing our Constitution web apps to the RPI community.

**README.md file**

For all labs you do for me, you need to include a README.md file. For this lab, each individual needs to write their own README.md file. In the file you are to keep a running log of the work you did for this lab. Document especially where you got stuck and how you got unstuck. One or two sentences won’t cut it here, unless what you propose to tell me is that you did no work for the lab. Put all citations in your README.md file: this can be as simple as dropping a link to any analysis you read, site you got inspired for code, etc. If you looked at it to help you complete the lab, it gets cited. **Failure to include all citations will result in a 0 for the lab (because that’s plagiarism!).**

**Grading**

Quality HTML/CSS/JS/PHP/MySQL 20 pts

Creativity (including in-depth analysis) 20 pts

README.md 10 pts

**Total 50 pts**