**Final Project Checkpoint**

**There are lots of changes! Sadly a lot of my websites just didn’t want to work with me, and so I had to change a few things around. All changes are crossed out and in red and the new information is highlighted.**

**A basic list of changes:**

* **Instead of age and contact information, I will be returning information on race and their website. This will still give me over the required amount of data categories collected.**
* **Everywhere you see gender changed to sex that’s just because I was using the wrong word**
* **I was unable to do the tweets, so I took that part out.**
* **Due to the changes in data collection there were changes in what types of graphs I will make.**
* **The interactive portion will now just spit out all the information on the senators from the two given states, and there will be an option to create each of the graphs and open the contact page.**

I will be scraping and crawling though government website pages (<https://www.senate.gov/senators/index.htm>) to collect data on current senators. This should be the challenge score of 8. I will collect 100 records (from the current senators) and will return data on state, party, first and last name, race, sex, and website ~~age, gender, and contact information~~. There will be two tables, one with all the senators, and one with all the states, so the senators will have a column called StateId that will point to the Id column in state

I’d like to do a lot of charts to break down the data from the tables. I’d like to have a pie chart showing the breakdown on sex ~~gender~~ in the senate and a bar graph with the sex ~~gender~~ breakdown by state, as well as a pie chart of the party breakdown in the senate and by state, and a pie chart on the race breakdown of the whole senate ~~bar graph of the age breakdown.~~

~~I hope to be able to return tweets form senators as well, but that is largely dependent on if the senators all have twitters and if I can figure out the API to search by names of accounts, and somehow filter out bogus accounts.~~

For the interactive part, I want people to be able to input a state and get back the senators from that state and the information I’ve collected on them ~~and then pick a senator to get more information, like the data I said I wanted to add above. I want to do something as well where if they want to contact their senator, they can pick that option and it will open their contact page in the browser, like we opened a song with iTunes during project 1.~~ I will replace this part with an option that if they want to contact their senator, they will type in a command and it will open the contact page with all the senators’ contact information, which apparently works even though when I get the page soup it says it’s under construction.