**Pawan Chandra**

**Adrian David**

**CSC 196v**

**Assignment: 3 Interactive Design**

**How did you choose your particular visual encodings and interaction techniques?**

**What alternatives did you consider and how did you arrive at your ultimate choices?**

We were split at first deciding how we wanted to portray our data. Upon browsing through the D3 example list, we came across a map of the United States and agreed this would be the best fit. Our data from assignment 2 consist of state names and multiple numbers of alternative fuel station. We also discussed the possibility of a simple user input table but it wasn’t pleasing to the eye and required extra work from the user.

**An overview of your development process. Describe how the work was split among the team members. Include a commentary on the development process, including answers to the following questions: Roughly how much time did you spend developing your application (in people-hours)? What aspects took the most time?**

We meet before class for an hour minimum. Both Adrian and decided not to split the work since it was new material for both of us. We agreed it was a better strategy to learn D3 together. The total hours spent for this project is estimated to be around 35-40 hours. Most of the time went into research and debugging. In the beginning we initially started the project with Adrian’s assignment 2 dataset but had a hard time finding which D3 template to use. Half way through we decided to switch the dataset given the time and complexity of the project. We only added/changed approximately 70 lines of code. Adrian spent majority of the time helping me make the user interface visually appealing. I spent more time on documentation and importing csv file using D3.