

CS 5630 / 6630 Project Peer Feedback

Anthony and I, Stefan Kapetanovic grouped with our peer Srija Adusumilli to evaluate our project thus far. WE got some very interesting feedback from Srija that we hadn't considered. That feedback is given below-

- A question that came up was if hovering over a star would elicit a tooltip in our galactic visual. We had planned on a tooltip but the information that we would include was still undecided. In this situation we got to see what Srija, a self proclaimed novice in astronomy, would want to see as a casual viewer. Her response was very interesting.
 - Basic star information like size, temperature, velocity,
 - Distance from planet Earth
 - Chemical abundance did not intrigue her particularly
- Srija was very impressed with the data we had already collected. In lots of aspects she thought we were ahead of the general student. She liked the story we were telling with our visualizations. She warned us to be careful with the color schemes and to keep the color of the periodic table visual we are planning consistent with the galactic visual.
- She also brought up a point that we had considered right before coming to class. The amount of data we are bringing in could be a worry. We may have to run asynchronous tasks to accommodate for a smooth functioning website.
- In terms of animation, Srija said we may have to consider just a bit more in our scatter plot and tooltip. We completely agree we could incorporate more and will as we progress through our visuals.
- When it came to ask questions about displaying the amount of stars we wanted to get feedback on if we should cluster, average or just use smaller data samples. The risk of using all of our data which is over 250,000 stars is the possibility of overlapping stars that could generate unappealing visuals. To solve this we believe that if we took the average stars in a cluster and then displayed that information in our galactic visual we could solve two problems simultaneously. This would decrease the amount of data we would have to process while also clearing our visual by not having to account for every single stars data throughout the process.

Afterwards, when grouping together we talked about our feedback and relayed to one another that our project is solid but fine tuning the details will elevate it to where we want it to be. We loved the feedback we got from Srija and thought it was very fair and more importantly very helpful. We know what we need to do in order to generate our visualizations in an elegant way. Averaging the star data prior to processing it will be a huge benefit. Clustering the stars into cells will also help us transcribe the data to the visual. We will make sure to use color schemes that help our project appearance and to display a broad enough amount of information where a novice and expert could find our project intriguing and fun to use.