Team Members: Jay McMahon, Logan Cotto, Aaron Traylor, Quentin Small
GitHub: https://github.com/attraylor/snackeak

Overview:

Our project is a student organizer that includes a section for their schedule, notes, homework assignments, to do list, contact professor, and team communication forum. The layouts get dynamically updated based on the information in our Django server, and we will soon have components where students can add information (like entering in homework assignments or notes).

Our project remained nearly completely the same as our original proposal. The only changes we did were rather minor and all inside the data model, as a few of our original proposals did not make much sense when we sat down to start implementing it. More detail on this is included in our design overview.

Design Overview:

The most central component of our data model is the Class object. Classes contain name, a list of homework objects, a professor object, a list of note objects, a start time and an end time. The next most important object is the student. Student objects have a name, an ID, a list of classes that they are in, and a list of todo objects. Professor objects have a name, email, phone, office, and hours field. Homework objects have a title and due date field. ToDo objects only have an activity field, which is just the string of what to do.

Originally we had the Student class as the most central point, but it made more sense to use Class as the most central point, as homework assignments, professors, and notes all go towards specific classes rather than students. This made implementation and the process of entering data much easier and more organized. We also modified some of the relationships from 1 to 1 to 0 to 1 or 0 to many to 1, because when we began entering data we realized we had a few relationships where it made it impossible to begin entering data. For example, we had a 1 to 1 relationship between classes and professors so that professors needed a class to be entered, but classes also needed a professor to be entered. We now have it as a 0 to 1 so that the classes do not require a professor, but one can be added in.

Problems/Successes:

During this portion of the project our main problems occurred during the template and views creation in Part 2. It was mostly just the learning curve of implementing our own templates and views, but we did have some issues with including the unique styles and script files for each page. We eventually overcame this will a little trial and error and a couple google searches. Besides this, everything went pretty well.

Our major successes were in Parts 0 and 1 where everything went about as smooth as it possibly could have. We followed the standard directions from the homework and merely plugged in information for our own site and everything worked as it should have. Another major success is our team communication. Our team maintains constant group messaging about when we update work and when we are going to do certain parts as well. We all work efficiently both inside and outside of the classroom.

Contributions:

Logan Cotto:

Was tasked with adding web pages from project one over to the Django files. My task was pretty simple all I needed to do was edit some of the website files and implement them into Django. I had to change views.py as well as add the locations for some of the pages to urls.py. I was working alongside Aaron during this, he was helping me work through what changes needed to be made and how to do it. After implementing the web pages we found that they were not loading properly. I worked on debugging that for a day, but eventually Quentin discovered that they were not implemented in the generic page properly. Team worked really well together and our communication skills are really strong.

Quentin Small:

I was tasked with Part 0 of the project and with creating the index.html and base_generic.html files. This was not a terribly difficult task as I modelled them pretty similar to how I did the homeworks. In addition to this, we all did some debugging on files throughout the project. For example, if I noticed we had a broken link, I would fix it, or if someone noticed that there was a typo in the views.py file, they would fix it. I believe that I did about 25% of the work on this project. We all had great communication and collaboration throughout. I am very happy with how this project went.

Jay McMahon

I wrote most of the models.py file. It was fairly simple given the homework tutorials and the data model we had created in class. A few tweaks were needed but nothing major. I also populated said data model with data through the admin site. Our team definitely worked well together during this part of the project, and we did a better job than last time of making incremental progress and not waiting until the last minute.

Aaron Traylor

I worked on converting some of the templates we found for Project 1 into functional web pages that our index page linked to. I used the homework and slides as a guideline for adding these files to views.py and urls.py. I created the data model image in Google Docs/Sheets and (along with the help of the team) evaluated some of the pathways between classes, and changed our data model accordingly. Our team worked well together and I would say that I did around 25% of the work.