Overview: Our application is a social media application based around note taking, tentatively tilted Taker. Taker is a social media application which connects its users via shared courses. Each user will be able to upload their notes for any other user on the platform to view.

In terms of changes from Project 1, we had numerous changes of focus. For one, the ranking system was altered from a GPA based system to a karma system in the same vein of sites such as Reddit. This ranking system will make it much easier for users to differentiate between what is popular and what isn't on the platform.

Team Members

Jack Bogle William Sullivan Kyle Toohey Zachary Safir Chigozie Ikoro

Github Repository: https://github.com/willbond1/CS-326-Project

Design Overview: We wanted to make our site one that is personalized to its users. Therefore, one of our main aspects of the data model is the Profile model. This model stores the most relevant information about the user. Things such as favorite notes and authors are stored in this model for ease of access for every user. The Note model was also important to establish in order to keep all the data a note must have (date posted, content, author, professor, etc.) in one place and easily updatable. Our other models (Comment, School, Course, Professor) are mainly used in support of our Note and Profile models to keep relevant data to these models in check.

Our views.py file was useful in constructing what data we wanted pulled from our database. It made it extremely easy for us to load in exactly what we needed and when we needed it. We also had UI views that helped us in creating new data for our database, which was also helpful.

The most important URL views lied within our toolbar in the top of the screen. It was very important to us that the buttons we had actually directed you to the correct page and we made extensive changes to our bar to facilitate this. Implementing URL routes to individual notes and users was also a necessity.

Problems/Successes: A notable problem we encountered during our project came with utilizing our models.py and views.py to pull and display data on our page. There was a lot of initial confusion as to how we would use these to display info on our webpages, and it caused a lot of headaches. We also had an issue when amending to the Profile model. For some reason, when we added the new information to the Profile model, Django said the new columns did not exist. We believe it may be due to how SQL updates databases, but we did not have enough time to fix it for this deadline.

Our biggest success has to be the translation of our initial visual style into django. We were able to do it fairly seamlessly and efficiently. Another success came with the models we made. While it was a challenge to initially set up, we were able to set up models that were largely effective for the data we wanted to collect.

Individual Writeups

William Sullivan
Contribution: 10%

I modified the Profile model to implement Django's inherent User model, which enabled Chigozie to more easily create the profile page template. I also modified the Profile and Note models to make use of the ImageField and FileField fields. Lastly, I created and linked the templates for the note upload and signup pages, as well as the corresponding ModelForms, view functions, and url mappings.

Zachary Safir
Contribution: 15%

I cleaned up the models page, and helped everyone in understanding the concepts surrounding primary keys, and foreign keys. In doing so we were able to make a coherent model for our website. I then helped in debugging, and fixing issues in our code. And finally I added the page which shows what notes the user has uploaded to our website, and then linked it to the home page.

Chigozie Ikoro
Contribution: 15%

I was in charge of most documentation involved in this project, such as writing up the data model diagram and keeping it updated throughout our project, as well as the actual group write up itself. as numerous aspects were added in after the initial planning. I also handled the creation of the profile page and linking it to our website. I also modified the Profile model, adding in 2 fields that we can use to pull data (course_schedule & favorite_authors) which further personalize the User's profile page.

Kyle Toohey
Contribution: 10%

I assisted with developing the outlines of the models and creation of the model diagram, along with making the final touches and fixes to the diagram. Most of my work involved creating and linking the template for the search page with the rest of the application.

Jack Bogle
Contribution: 50%

I created the project structure as well as the basic model objects that are used throughout the site. I also formed the generic template that contains the navigational logic, which is used as a base for all the other templates. On top of this, I extended the base template for both the dashboard view and the note details view, and created admin functions so we can easily add data through Django's admin portal. Once everyone else finished their individual pages, I stitched them all together through a

series of git merges and made sure that they all functioned how they were supposed to.