Team Name: Clean Slate
Application Name: Doma
Github

Team Overview

Name	Slack	Github
Phillip Michalowski	@michalo	@onocy
Molly O'Neil	@mboneil10	@mboneil10
Blake Mongeon	@TheMartyred	@TheMartyred
Ciaran O'Brien	@cobchise	@cobchise
Cuong Lam	@Cuong Lam	@quoccuong042009
Gianluca Artusa	@gartusa	@gartusa

Overview

Doma is an innovative application which allows students, tenants and others who share living spaces to truly live together. We value a modern design regarding our UI, as we feel the trend in minimalism is warranted and successful. Our application provides a space to link up with new roommates, write and check out their reviews, manage expenses, assign chores and align calendars between housemates. We also believe that each home should have the capability to connect with other homes, creating "Villages", where groups of friends can interact between one another.

Design Overview

Our data model revolves around the concept of an individual user, branching off into each model, including reviews for each user, the home each user belongs to and the village the home could belong to. Also, using our forum system, we've also connected topics and posts in this data model. The most important connections are the User to Home, Home to Village, Forum to Topic to Post and User to Reviews.

Problems/Successes

-Our group started strong, completing the models within a few days, however we ran into issues when attempting to combine all the code. Our data model really helped us get off to a good start.
-Our first main issue involved migrations, where old migration data was overriding the current data, thus rendering our admin page unusable. We were not able to add any element using the admin page, and this was resolved by deleting the items in the migrate folder, deleting the database, and re running makemigrations + migrate. We ran into multiple database errors, but we worked together in order to overcome them, and sync up our databases, where we have not had any problems since Ciaran's fix.
-Another issue we ran into was finding time to work on the project, as we all have different schedules, and found we could only meet once a week, Friday, which is the day after most due dates for this assignment. This can be resolved by meeting as soon as the project is assigned, and facilitating communication over Slack and in class.

Individual Write-ups

Blake Mongeon

Our group handled this section of the project by dividing up the work six ways. While it didn't divide entirely evenly, each of us did roughly the same work. For my section of the project, I worked on the "Home" Model and then the Views. For the most part, this was my contribution but as one may expect, we often helped each other a bit along the way and as a result a couple other group members contributed to my code as well. When crunch time came around and I found myself running into errors and out of time, the others stepped in to help and when there were some small logic errors in Models that made it impossible to add any User or Home data, I helped to fix it. It is difficult to quantify what each of us worked on because it was often a joint effort, sometimes spending hours in group chat to work through a particularly tricky bug. If I had to give a percentage I would put my contribution at roughly 15% or just below 1/6th of the project. In terms of the actual coding, Phillip did a little more than his fair share and deserves the credit for that. In the end, my contribution boils down to about 98% of the "Home" Model and View and a small percentage of debugging work.

Ciarán O'Brien

I enjoyed this project. I started by pulling a fresh copy of our codebase from github, and upon doing so I noticed a few problems. Our database migrations were causing problems when trying to run migrations and therefore we couldn't run the server. I started by solving these problems, which involved basically wiping any record of past migrations, repairing our models.py in a number of ways reflected in github commits ensuring all relations were correct, and then re-making our migrations file and the migrations themselves. The commands are ran included but were not limited to:

```
python3 manage.py dbshell
delete from django_migrations              # wipe database records of migrations
.exit
python3 manage.py sqlflush                 # flush tables from db
python3 manage.py flush                    # just incase
python3 manage.py migrate --fake           # remake django migrations with fake data
python3 manage.py makemigrations doma      # remake migrations folder etc for app
python3 mange.py migrate --fake-initial    # make initial migration for doma with fake data
python3 manage.py makemigrations           # make sure migrations are now working
python3 manage.py migrate                   # voila, magic
```

Once this was fixed, pull requested, reviewed and merged into our codebase and after the team checked that everyone could run the site without problems, I continued on to my next task. This was inserting the calendar.html content and a basic navbar for our site. I basically 'django-ized' my view from the previous project and inserted that into calendar.html. I also touched up the base.html to allow for extra_head, extra_js and content blocks amongst other things, even extra_head_before for css you want rendered before base.css. I then went through each of our views ensuring javascript and css imports were called correctly, removing some calls and replacing others, to ensure our views were as DRY as possible. Lastly came the navbar which I inserted into base.html as it needed to be present in all our views, this involved making our styling uniform and removing some extra stylesheets we didn't need etc. Throughout the project I tried to help people out where I could and I'm really happy with the progress my group is making in the project. It's pretty odd putting a percentage on the work I did but if I had to I'd say my contribution was 25%.

Gianluca Artusa

I was assigned the duties of completing the "Topic" and "Village" models. We decided that each person was going to complete the views for their view which they had hard coded in Project 1. This meant that Blake and I had to complete the Home view. However, we had problems in Project 1 doing this, involving GitHub history not being accurate. We decided that it might be better off if one of us took the Home view, and the other took the team writeup. I took over the writeup in the end, just to keep things simpler. After I finished that, I made myself available in the group chat to anyone having any issues. I believe I did about 15 percent of the work regarding this part of project. I also believe the Phillip did a majority of the coding itself, which he deserves credit for. Everyone else was extremely helpful in debugging, and answering general questions. I hope this team continues on this path, as, in my opinion, we have been very successful so far.

Molly O'Neil

Our team started by creating various models. Since user was the largest model, Phillip and I split it in half. I was able to finish the model and help other team members with their own implementation. We debugged our admin code in class on Tuesday. Then, I added the majority of the mock data to the database. I populated the reminders list with dynamic content and fixed some links. I did 15 percent of the work, but that doesn't negate the fact that some group members went above and beyond with their contributions. As a whole, I think we are turning into great web developers by using pull requests, frequently messaging on Slack, and reviewing each other's code.

Phillip Michalowski

I'm happy with the way this turned out, and it seems like everyone learned a lot about django (and github) this time around myself included. There were early errors with data migrations that I believe I caused with faulty model fields that I created, but later my teammates and I were able to right my understanding of database design. While we we've since changed our project structure, I was initially project admin so I was reviewing a lot of code. I believe I helped to lay the groundwork for what what was necessary in this project by doing the initial setup, figuring out django deals with routing, and starting out the template structure for our html files. After that there was upkeep here and there to make sure things were going smoothly. I'd say everyone did their own part here by battling against their own confusions, so I'd say I did 15%. I'm grateful I have good team members that I have the chance to work with and learn from.

Cuong Lam

I was assigned for creating model for the "post" model. As we planned, we have to complete the view for the html page we did for the first project. Therefore, I have to finish the profile.html. It's not so hard to do it. However, we still need a picture url for each user to make the profile page better. Not like everyone else, I started the project quite late, so I feel really bad. I will be better next time to catch up with the team. I also have a problem with the github. I think my contribution for this project is just 10%. I will definitely do better next time.