The Rabid Squirrels
Project 2: Writeups

Overview

Pawpular is an animal-based social media application. In this application, a user can browse the map for nearby animal services, and find many pictures and posts of local cute animals! Pawpular also includes a feed tab where a user can post media, comments or services of interest. In the services tab, our users can browse local services for their furry (or not so furry) friend. These include walking, grooming and pet-sitting. In the profile tab, a user can see his/her own posts, along with any saved content they find interesting. Lastly, our settings tab gives users options to change their username/password, and chose privacy options.

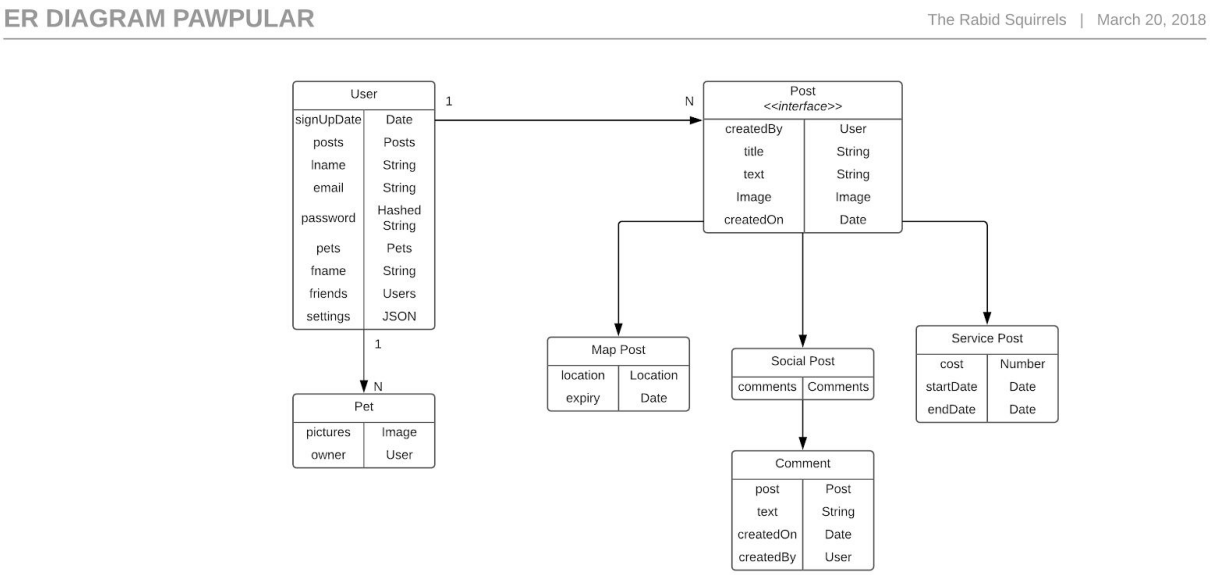
Team Members

Elisa Coutant
Jillian Hynes
Ryan Mahan
Stephen Ren
Cole Reilly

Github Repository

https://github.com/Colebeep/Pawpular

Design Overview



We broke up our models into a few different pieces. For our ER diagram, we had a post interface that split into three different kinds of posts. We have a Map Post, Social Post, and Service post. Posts are linked to a user profile, and we also link pets to users. We allow commenting on social posts, so we also have a comment model that we can link to social posts.

As for the data we store, each type of post stores who created the post, when it was created, its title, an image attached with it, and the text of the post. The individual types of posts have different attributes that apply to that kind of post. The map post also stores a location and an expiry date, and the service post includes a cost, start date, and end date. For users, we store a lot of basic user information, their made posts, their pets, who they are friends with, and what personal settings they have set for the site. For pets, we store who their owner is and their pictures the owner has uploaded.

The important URL routes for our projects are Map, Chat, Services, Profile and Settings. These all correspond to a different tab in our nav-bar. In the Map view, we are rendering a google map where there will be pins to posts made by users. In the Chat view, there will be media and text posts from other users that that user follows. In the services tab, we will list pet services nearby, and give information on how to contact that service. In the Profile tab, the user can access all of his/her posts that they have saved or posted to the feed.

Problems/Successes

In this stage in the project, communication among team members definitely improved from the last. In the first class, as a team, we split up the work and assigned people different tasks. We also set two different times to meet outside of class to work on the project. This resulted in starting the project earlier, and being able to work comfortably through issues that arose as a team. Our group chat also enabled us to work through some issues remotely, so no one was stuck. These aspects led to a successful final product.

However, one minor hinderance to our team workflow was using Git while working on the project simultaneously. Since we were all working on and pushing to the master branch, it got messy at times when members were merging at the same time or trying to pull down changes. To improve for the next project, our team will re-evaluate workflow style.

Another improvement was increased organization. For the first project, out git was not properly organized with all the files being in one place. For project 2, we updated the git to have multiple folders where files were neatly grouped together.

Elisa Coutant Individual Write Up

I refactored the git repo and created a new folder, “Pawpular” for our application. I moved over all the files we worked on for project 1 (the views) and put it into the new project folder. Each member was responsible for writing a model for one of our entities, so I wrote the comment model. I then worked with Jillian Hynes on Part 2 of the project (URLS). In urls.py, we implemented all the URL patterns for each of the five tabs in our application. We also wrote a class for each model in the views.py file, along with each of their methods to render the views.

In the base_generic file, I also added the url mappings for each of the html pages. Finally, I wrote the 'Overview,' 'Problems/Successes,' and the 'Design Overview' paragraph sections in the project write-up. I would say I contributed about 20% to this project.

Jillian Hynes Individual Write Up

I helped in getting project 2 set up and organized by creating an outline for the project write up. I contributed to the application by creating a homepage to give our application a more appropriate look when first accessed. I also created the urls.py file in order to begin the url mappings. Together, Elisa and I updated the views.py file to include classes for each model in Pawpular. We also updated urls.py to contain the url mappings to each of the tabs in the application. In addition, I also updated each javascript file to allow toggling between tabs in our application. Each person in the group was responsible for creating a model for the application so in addition to updating the views and urls, I also created the pet model which allows a pet to be added to the page. Lastly, I made contributions to the 'Problems/Successes' section of the document as well as completed the 'Team Members' and 'Git Repository' sections. Overall, I contributed about 20% to this project.

Ryan Mahan Individual Write Up

I worked mostly on the high level design for the models and implementation for them. We originally wanted to do that interface set-up which was a bit harder for us to do with models. Then we shifted to a model where we just had a 'post' instead of splitting it up into three and we would just ignore that data fields we did not fill in. Lastly we moved to having all three different post models so we could keep it organized. This means for user we will have different links to their map posts, social posts, and service posts. This should work well because we will be able to access them all individually without having to sort through them, or we can access them all together simply by calling for all 3 variables.

I feel that I contributed my share of the work at 20% of the project. Creating the ER diagram for us and helping craft the models helped out the team. I enjoy diagramming and others didn't seem to want to do it so it worked out well for me.

Stephen Ren Individual Write Up

I first added more styling to all of our original html pages. I also created mock data and implemented data routes for a majority of the pages used by our app (the feed page, the services page, and the maps page). I also made some changes to the database model to reflect the style changes as needed. And i fixed the maps page which was not functioning after the views and routes were configured. In total i would estimate my contribution to be around 20%

Cole Reilly Individual Write Up

Most of the work that I put into this project had to do with adding to the robustness of work my teammates were doing. After the models were implemented I went in and corrected any errors, changing fields to have more features, and making sure it adhered to the diagram. I also added to the implementation of the template making it inline with what is required in the documentation. Finally I would say that I spent a lot of time looking over the documentation and the work that has already been done making sure all of it was up to snuff.

I would say that I contributed somewhere around 15-20% of the total work in the project.