Title: PuppyCorps (though our former name was Deadmaus)
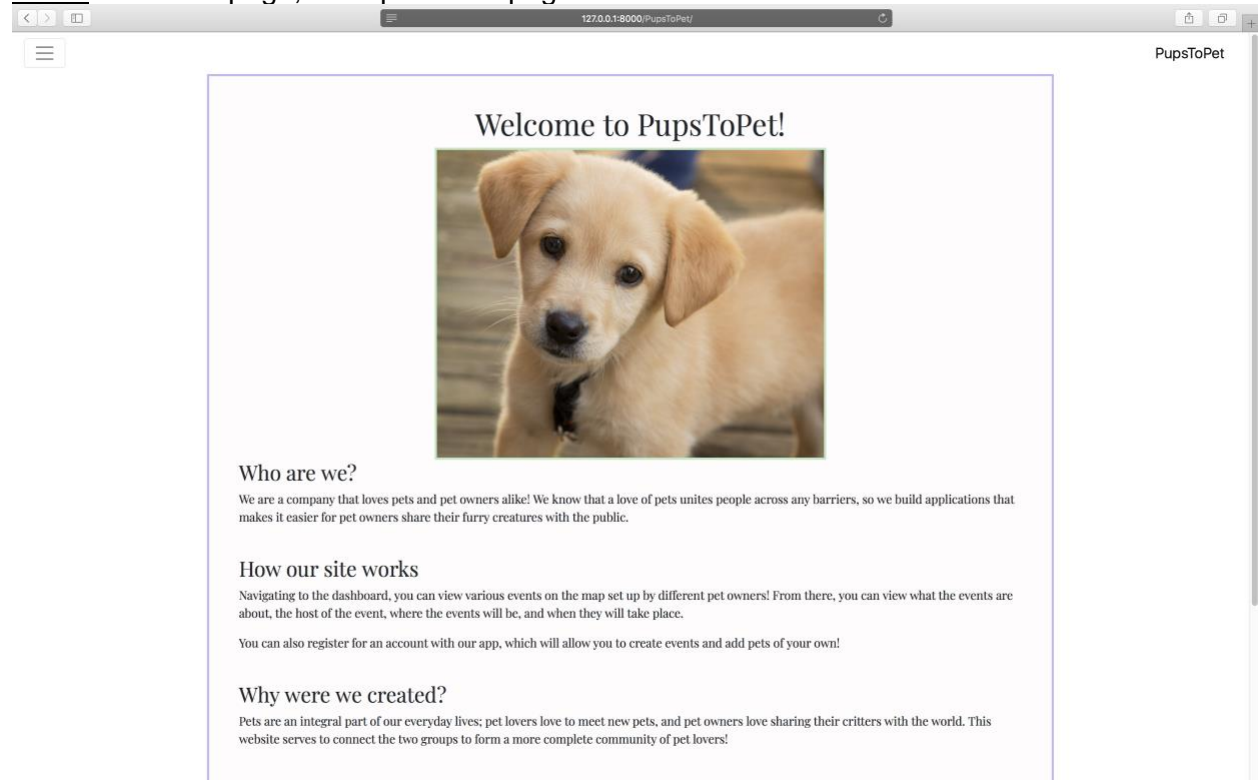**Subtitle**: PupsToPet
Semester: Fall 2017
Overview: PupsToPet is a web based application that allows users to organise and find events wherein a pet is brought for others to pet and/or play. It is the focus on pets that makes this application unique because we haven't found any apps that cater to that.
Team Members: Colin Lee, Arthur Normand, Thao Phan, Jared Yeager
Github Repository: https://github.com/normana10/CS326TermProject/

User Interface:
About: our homepage, a simple about page.

Create Account: a page from which a user can create a new account

PupsToPet

Create an Account with Us Today!

Create a Username (Must be at least 6 characters, have no spaces & have at least 1 number)

First name

Last name

Gender

Male

Email

Create a Password (Must have at least 6 characters)

Confirm Your Password
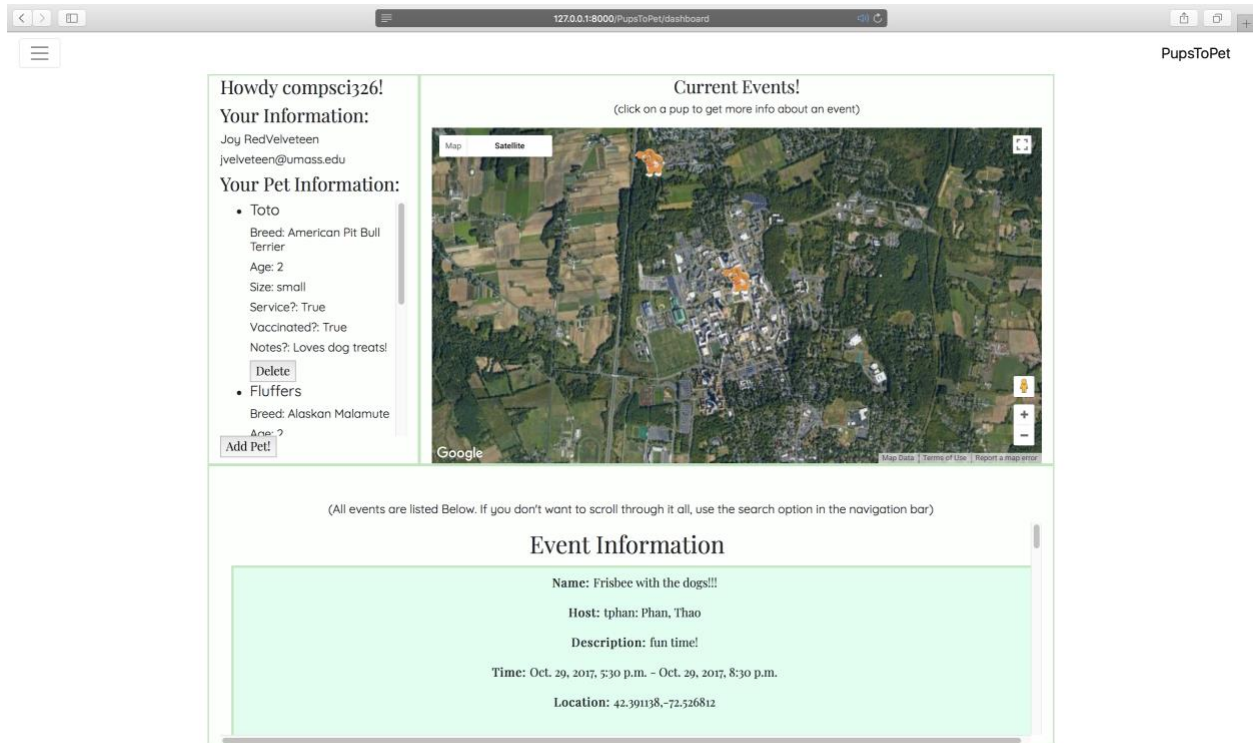
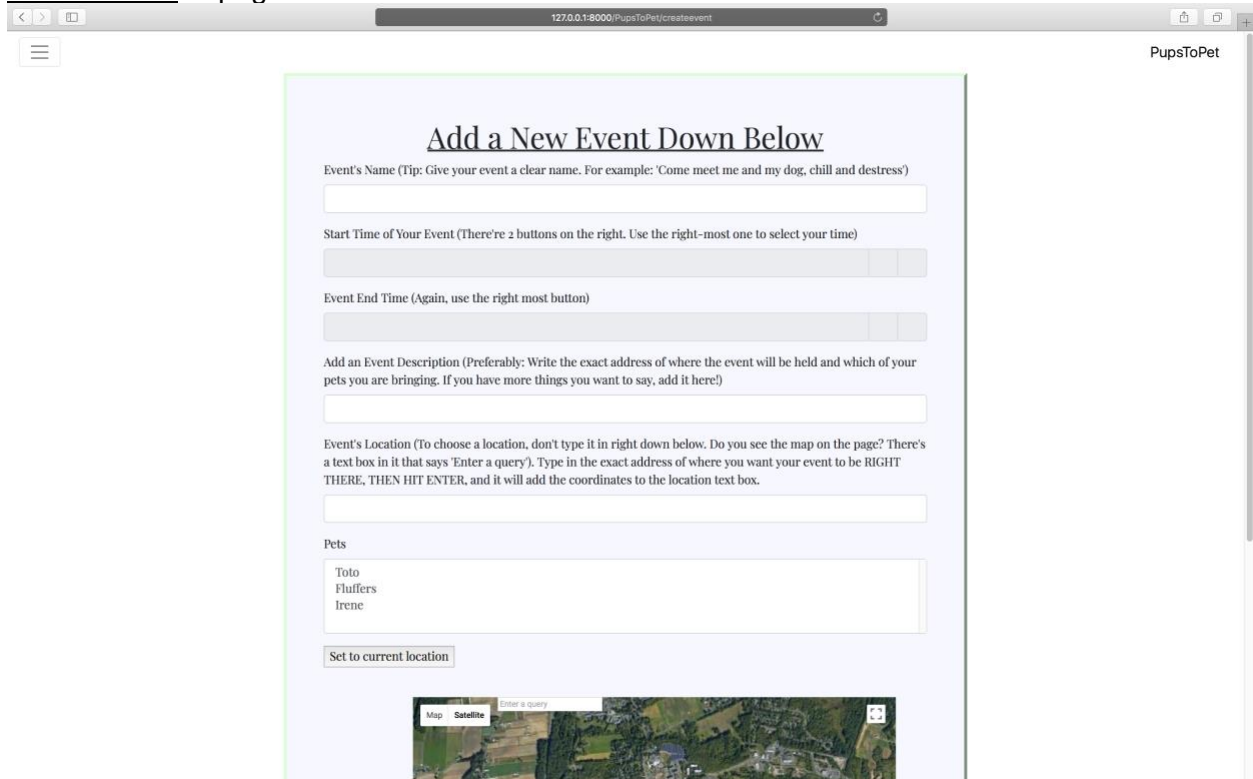Submit

Login: a page which allows the user to log in

PupsToPet

Login

Username

Password

login

Dashboard: a page that displays events and shows their locations on a map (image from logged in state)

PupsToPet

Howdy compsci326!
Your Information:
Joy RedVelveteen
jvelveteen@umass.edu
Your Pet Information:

- Toto
  Breed: American Pit Bull Terrier
  Age: 2
  Size: small
  Service?: True
  Vaccinated?: True
  Notes?: Loves dog treats!
  Delete
- Fluffers
  Breed: Alaskan Malamute
  Age: 2

Add Pet!

Current Events!
(click on a pup to get more info about an event)

Map | Satellite

Google   Map Data | Terms of Use | Report a map error

(All events are listed Below. If you don't want to scroll through it all, use the search option in the navigation bar)

Event Information

Name: Frisbee with the dogs!!!

Host: tphan: Phan, Thao

Description: fun time!

Time: Oct. 29, 2017, 5:30 p.m. - Oct. 29, 2017, 8:30 p.m.

Location: 42.391138,-72.526812

Create Event: a page that an authenticated user can use to create an event

PupsToPet

Add a New Event Down Below

Event's Name (Tip: Give your event a clear name. For example: 'Come meet me and my dog, chill and destress')

Start Time of Your Event (There're 2 buttons on the right. Use the right-most one to select your time)

Event End Time (Again, use the right most button)

Add an Event Description (Preferably: Write the exact address of where the event will be held and which of your pets you are bringing. If you have more things you want to say, add it here!)

Event's Location (To choose a location, don't type it in right down below. Do you see the map on the page? There's a text box in it that says 'Enter a query'). Type in the exact address of where you want your event to be RIGHT THERE, THEN HIT ENTER, and it will add the coordinates to the location text box.

Pets

Toto
Fluffers
Irene

Set to current location

Map | Satellite   Enter a query

Find Event: a page any user can use to filter events displayed on the dashboard

Is there an event you want to find? Use the search tool down below.

Note: Any field left blank will simply not be user to help filter events. Consequently, intering more information will result in a narrower search.

Name of the event (Will check if the event's name contains the input.)

Name of event's host (Will check if any of host's username, firstname, or lastname contain the input.)

Earliest Time (There're 2 buttons on the right. Use the right-most one to select your time)

Latest Time (Again, use the right most button)

Submit

Add a Pet: A page an authenticated user can use to add a pet

Add Your Pet Down Below!

Your pet's name

Your pet's age

Is your pet a service animal?

Yes

Is your pet vaccinated?

Yes

What is your pet's gender?

Male

What is your pet's size?

Small

What breed is your pet?

(Is your breed not listed? Add your pet's breed here. Ex: Alaskan Malamute, Basset Hound)

What is your pet like? Choose from the options below. Choose one or many! Or start typing and the disposition will show up (ex: happy, sad, energetic, etc)

Anxious
Bashful
Dumb
Fun-loving

Add a Breed: a page an authenticated user can use to add a new breed to the database

PupsToPet

Add Your Pet's Breed Down Below!

Your New Breed!

Submit

<u>Add a Disposition</u>: a page an authenticated user can use to add a new disposition to the database

PupsToPet

Didn't see your pet's disposition listed? Add it down below.

Your New Disposition!

Submit

<u>Update Profile</u>: a page an authenticated user can use to update their profile

PupsToPet

Update Your Profile Down Below!

Note: If updating your info, please fill in this form in its entirety. Do not leave any boxes blank before submitting. Bad things can happen O_O

First name

Last name

Email address

Gender

Female

Update Profile

<u>View own events</u>: Allows a user to see all the events they have created

PupsToPet

All the Events You've Made

Name: Going on a walk around downtown Amherst with my 3 doggies. Come join us!

Description: I'm going to be at MercyHouse at 10:30 am to walk my doggies. Come join me for some exercise, fresh air and conversation!

Time: Dec. 20, 2017, 10:30 a.m. – Dec. 20, 2017, 10:55 a.m.

Location: 42.38311899999999,-72.5202223

Name: Tennis with our puppers

Description: We're going to be playing tennis at the UMass indoor tennis court with our pups. Come and join us!

Time: Dec. 21, 2017, 2:20 p.m. – Dec. 21, 2017, 2:55 p.m.

Location: 42.40035200000001,-72.50914599999999

Name: Going on a run with my 3 puppers! Join us!

Description: I'm going to be at South College at Umass with my 3 doggies going on a run around campus and downtown Amherst. The more the merrier. Come join us for some nice exercise, fresh air and good conversation!

Time: Dec. 23, 2017, 11:55 a.m. – Dec. 23, 2017, 12:55 p.m.

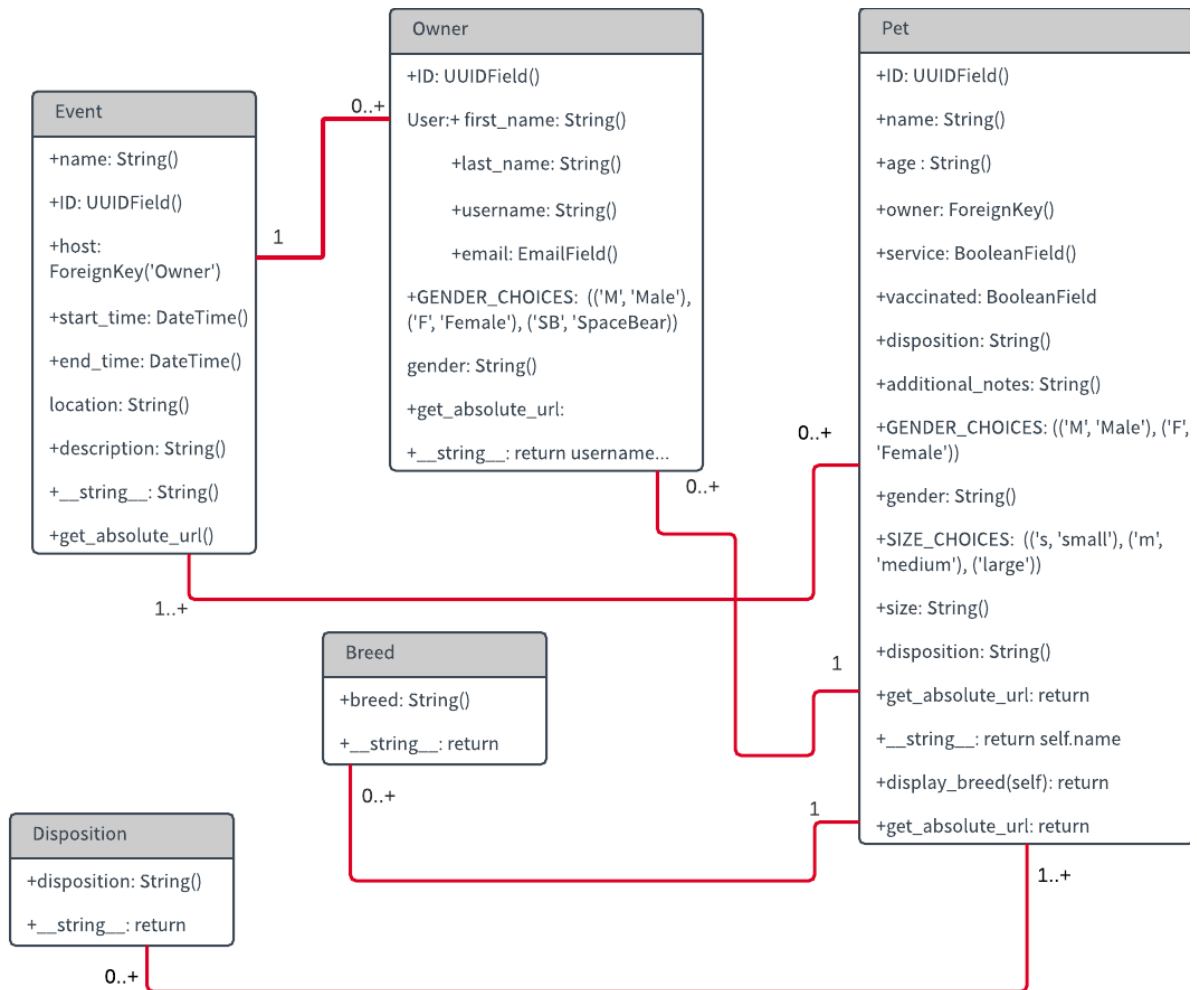**Location:** 42.3895046,-72.52892680000002

Name: Holiday Party with our pets!

Description: Holiday party to celebrate the coming new year! Bring yourself, your friends and your pets if you have them. It will be so much fun! The event is at Umass in the Waffle Building, 2nd floor.

Time: Dec. 30, 2017, 3 p.m. – Dec. 30, 2017, 6:55 p.m.

Datamodel:

The model is as previously stands. We have owners, that are extensions of django's users and can have zero to many pets and can create 0 to many events. Events have a single host (owner), but may have 1 or more pets. Pets have one owner, and can only be 1 breed. There's a breed listed as 'mixed' in case the pet is a mixed animal. Pets also can attend 0 to many events, and pets can have more than 1 disposition Breeds and dispositions can be associated with 0 to many pets each.

Owner

+ID: UUIDField()

User:+ first_name: String()

  +last_name: String()

  +username: String()

  +email: EmailField()

+GENDER_CHOICES: (('M', 'Male'), ('F', 'Female'), ('SB', 'SpaceBear))

gender: String()

+get_absolute_url:

+__string__: return username...

Event

+name: String()

+ID: UUIDField()

+host: ForeignKey('Owner')

+start_time: DateTime()

+end_time: DateTime()

location: String()

+description: String()

+__string__: String()

+get_absolute_url()

Pet

+ID: UUIDField()

+name: String()

+age : String()

+owner: ForeignKey()

+service: BooleanField()

+vaccinated: BooleanField

+disposition: String()

+additional_notes: String()

+GENDER_CHOICES: (('M', 'Male'), ('F', 'Female'))

+gender: String()

+SIZE_CHOICES: (('s', 'small'), ('m', 'medium'), ('large'))

+size: String()

+disposition: String()

+get_absolute_url: return

+__string__: return self.name

+display_breed(self): return

+get_absolute_url: return

Breed

+breed: String()

+__string__: return

Disposition

+disposition: String()

+__string__: return

0..+

1

0..+

0..+

1..+

0..+

0..+

1

1

1..+

0..+

URL routes/maps:
/: our about page
dashboard: a page displaying events and their locations on a map, also displays user info and user's pet info too
createaccount: must be logged out, this is the account creation form
updateprofile: must be logged in, this is the form to update user's profile information
createevent: must be logged in, is the form to create an event
findevent: form to filter events visible on dashboard
createpet: must be logged in, form to create a new pet
createbreed: must be logged in, form to add a new breed for user's pets
createdisposition: must be logged in, form to add a new disposition for user's pets
viewownevents: must be logged in, page allowing a user to view events they created

Authentication/Authorisation: Our authentication is fairly minimal, as we really only have one type of user. Logging in is done though a login page users can find from the nav-bar. Logging out is done from the nav-bar. Authenticated users can add/delete their pets, create events, view their own events, view their account info and pets (on the dashboard), create breed and or disposition if it's not already listed in the database, and manage their account. Unauthenticated users can create accounts. Either state of user can search for events and view the dashboard and about pages.

Team Choice: We had been notified that our user interface was less than satisfactory, and a large part of the final submission was an attempt to overhaul it. And we believe that we accomplished it. The drop down nav-bar is much less unwieldy than its predecessor.
We also wanted to try and give users the ability to filter the events displayed on the dashboard by means of a search. The ability to select criteria (specifically the name of the event, name of the host, earliest beginning of the event, and latest end of the event) on the search events page that would then take the user to a filtered dashboard was implemented.
More than anything, we wanted to polish out what we had...the semester end rush and work to do was something we underestimated, but this is now a reasonably solid and complete product.

Conclusion: We had a number of difficulties. The team suffered from a number of mismatched schedules and a general shortcoming of communication. There were a number of cases where it seemed that people's understanding of certain parts of the project did not align. In spite of these issues, we were able to create a satisfactory product.
Were we to start again, one thing that probably would've been useful to know in advance is that one can extend django's user model (so that half the database didn't need to be ripped out and stitched back together). In addition, we couldn't figure out in time how to pre-populate the UpdateProfile form page with the user's info so the user must fill in that info again if updating info. Also, if we had more time, we would have created a page so that users could update their events and delete them if they want. We'd also would have liked to create a way for users to delete their accounts and do a password reset.