1. Full names and UW email addresses of all group members
   Kenny Gao – kgao9@wisc.edu
   Wilson Ma (Ziqi ma) – zma34@wisc.edu
   Sabrina Yu – qyu37@wisc.edu
   Cher Yang – yyang297@wisc.edu
   Zeyao Jin – zjin44@wisc.edu

2. Description of the application:

The idea of this app is borrowed from Airbnb, and we would like to build a local hotel app for animals. We often find that pet owners ask their friends to take care of their pets when they are away on a trip, but what if their friends have no experience taking care of animals? Pet owners then need good, trustful people who have experience and patience toward their pets. Also, this is a good opportunity to take care of pets for those who love little animals but can't own animals due to extraneous circumstances. Due to the needs of pet owners and pet lovers, we decided to build this app as a social networking app, to connect people who love animals in local area.

There are four main use cases of this app. Users who own a pet can post a request to look for users who are willing to take care of his/her pet. Other users should be able to reply and request to look after their pet. Pet owners should be able to run a quick search of user reviews on the mobile application. And of course, owners should be able to give reviews based upon how their pet was handled.

3. Describe the different components of the application as you expect it --- the mobile component, web backend (if any), use of ParaDrop or other edge component (if any), any specific additional hardware, software, and such.

Our software should have the following specifications. There should be a post page with the following information for pet owners: time period for which the pet will need to be taken care of, the price the owner is willing to pay, the pet's picture and a list of its habits. After the post is created and updated to the database, there should be a button with reply. When reply is clicked, there should just be a popup textbox with title of reply and a reply body box. There should also be two user profiles - pet owner and pet caretaker. Both should just have their name, photo, and rating. There will also be a review button and the popup will look like the reply popup except with an additional graphic with 5 stars to rate with. The home page graphic should just have a search bar and featured posts. These are the basic views at the moment - we'll decide on the transitions later.

For search, these are the following parameters we will allow for now:

-Location
-Kind of pets
-Time period

-pet habits
-user reviews
-user feedback

We're also looking at the following stretch goals:
-add babysitting + similar aspects?
-transaction part - online payment
-pet status markers
-blogs/forums (photosharing)
-security
-integrate other social media
-user story
-find an abandoned animal
-take picture
-send to nearest animal shelter
-needs GPS function and integrate with google maps
-switch search from params to general and params search should be moved to advanced search

For the back-end, we'll need a database, and some way for the database to speak to the mobile component. The lecture on Monday talked briefly about it - we'll do some more research and come back to it. Probably have a user table, review table, and post table.

2.a) Also provide details of any hardware that you need to acquire and do not currently possess (we can try and help you here if possible).

Don't know how we'll get the database hosted so that users can see it on their own phones. Any thoughts, ideas from the TAs?

4. Describe if you are starting from any existing codebase that you are aware of, whether you have already started on it before the start of the semester, or some public codebase that was available.

We will be building the application from scratch. But for our front-end/mobile component work, we can model it after air bnb's design.

5. Provide a pictorial representation of the various views you expect to build in the app. (Use simple tools like PowerPoint, or seek any more sophisticated tools that are available). If you have a user-facing backend (where a user needs to login and do something), try and sketch out these interfaces too. Try to be as comprehensive as you can be.

6. Provide a detailed milestones of what you expect to accomplish every two weeks, starting March 1. Expect the end date to be May 4. Try your best to guess progress over each week. This will help us and you judge realism and also assist you in realizing whether you are in-sync with your plans or are falling behind.

By 3/8 - set backend DB

By 3/22 - setup all pages

By 4/5 - have transitions between pages done

By 4/19 - integrate backend DB and connect with pages

4/25 - Group meeting: figure out where we are in terms of time and progress

- Conversation should start - we are done in a week. By that time, what do we want done and what do we want to accomplish

By 5/3 - have Search done

7. Describe what your project demonstration would look like. Your demonstrations will likely happen in the CS lobby between May 4-10, 2017.

We'll structure the demonstration two ways. For that rare user who is completely enthralled about what we built and how to make it better, we can talk about our inspiration and ideas about our application, and have them walk through the application on their own with our device and explore its features.

But I think the average case is people who are either computer scientists or software enthusiasts. We should come prepared for those guys - we should have our user stories lined up, walk through how a typical user would use our application, but most importantly, we should talk about our software design workflow, processes, and difficulties. We should know the technology we used and be ready to talk to people about software because it's less about the software we are building and more about what the people want to know and learn from the software that we built, which we assume would be struggles, excitement, and lessons.