**Use Cases/Sequence Diagrams**

* Use Case 1- Designated personnel posts pet info
  + Description- A designated shelter will post a pet info to the website
  + Actors- Designated personnel
  + Organizational Benefits- Potentially getting a pet adopted
  + Freq. of use- Not yet evaluated, but most personnel will post pets if on the site in the first place
  + Triggers- Hitting create listing button and redirected to prompt
  + Preconditions- Be logged in as a designated personnel
  + Postconditions- Posting is posted to site, DB updated
  + Main Course
    - Website prompts user with create listing
    - Personnel posts a pet
    - It is listed to the web page
  + Exceptions
    - User may not me a designated user, or they may just be checking a posting
* Use Case 2- Designated personnel updates pet info
  + Description- A designated user will update pet info
  + Actors- Designated personnel
  + Organizational Benefits- Updating a listing to get a pet adopted with accurate values
  + Freq. of use- Not yet evaluated, but most personnel will edit pets as they see fit
  + Triggers- Clicking on a listing and editing its values
  + Preconditions- Be logged in as a designated personnel
  + Postconditions- See updated listing on website
  + Main Course
    - Be logged in as a designated user, website prompts with results
    - Click edit to change a listing
    - New value is listed
  + Exceptions
    - User may not me a designated user, they may be making a new posting
* Use Case 3- User donates to site
  + Description- Any type of user will donate to the main organization
  + Actors- Generic User/Admin/Personnel/Anyone
  + Organizational Benefits- Donation to the page to help fund site hosting/any other costs
  + Freq. of use- As much as users deem fit to donate funds
  + Triggers- Clicking on donation tab from main page and donating with card info
  + Preconditions- Be on the site, and redirect to the donation page
  + Postconditions- Seeing donation listed on the site
  + Main Course
    - Website prompts with donation form
    - Enter in credit/debit info
    - Donation is listed on donations page
  + Exceptions
    - User may have misclicked, or will just be viewing donations rather than actually donating
* Use Case 4- User searches for pet
  + Description- User decides to search for a pet, either through filters or map
  + Actors- Generic user, or any user wondering pet availability
  + Organizational Benefits- Show options of pets to potentially be adopted, resulting in revenue
  + Freq. of use- Ideally high, due to the whole business model revolving around adoptions
  + Triggers- Putting in zip code/filtering on site
  + Preconditions- Being on main page
  + Postconditions- Retrieving filtered results or retrieving results based on zip code
  + Main Course
    - User is on main site with default-y presented pets
    - They either filter based on a criteria (hair length, pet type, etc) or enter zip code
    - Receive results
  + Exceptions
    - User may be on main page to go to any other use case of web app
* Use Case 5- Admin/Owner adds a shelter
  + Description- The owner of this organization or anyone in the admin role wants to add a new shelter
  + Actors- Admin/Owner role
  + Organizational Benefits- Potentially adds new products (pets) to the market
  + Freq. of use- Not often, as new organizations don't come up very often. It may be the case that there are many off launch, but will trickle later down the line
  + Triggers- A new organization wants to join, and requests to do so from contacting the owner from the sites contact page
  + Preconditions- User has contacted the owner through text or phone call
  + Postconditions- A new location is added
  + Main Course
    - A organization wants to join
    - They contact the owner
    - The owner/admin adds to the website a new location
  + Exceptions
    - It may be spam, the owner doesn't see them fit to join.

· Use Case 1 – Adoption Facility adds a pet available for adoption

o Actor(s): Adoption Facility

o Trigger(s): Selecting “+” or “add” in order to add information about a new animal

o Precondition: Adoption Facility is on the “pet” section of their respective profile page

o Postcondition: The pet is added to the list of available pets, along with any immediate information they can add (name, breed, weight, age, etc.)

o Main Course:

§ Website has home page with multiple prompts, one being “Login” or something similar

§ User goes to login page, where they enter necessary information

§ Brings them to the adoption facility page, where they see the list of pets available for adoption

§ Select “+” or “add” to add a pet to the page

§ Enter available information

§ Select “done” or something similar

o Exceptions:

§ User may click one of the other sections on the homepage

§ User may not be able to sign in due to not knowing their login info

§ User may select one of the pet profiles rather than the “add” option

§ User may not hit “done” before exiting the browser, meaning the information won’t be saved

· Use Case 2 – Adoption Facility adds/edits information about pet available for adoption

o Actor(s): Adoption Facility

o Trigger(s): Selecting an “edit” option within the individual pet’s profile, allowing them to add to/edit the information that is already present in the profile.

o Precondition: Adoption Facility is on the page of a specific pet, where there should be an “edit” option in order to add/change any given information about the animal (change age from x to x + 1, add personality traits learned after period of exposure to the pet, etc.)

o Postcondition: Information is added/edited

o Main Course:

§ Website has home page with multiple prompts, one being “Login” or something similar

§ User goes to login page, where they enter necessary information

§ Brings them to the adoption facility page, where they see the list of pets available for adoption

§ Select pet profile they desire to change

§ Select “edit” option that should be somewhere on the page

§ Change/add desired information

o Exceptions:

§ User may click one of the other sections on the homepage

§ User may not be able to sign in due to not knowing their login info

§ User may select the “add” option rather than going into one of the pet profiles

§ User may not hit “done” before exiting the browser, meaning the information won’t be saved

· Use Case – Potential Adopter finds information on potential pets

o Actor(s): Potential Adopter

o Trigger(s): Selecting individual pet profiles on the profile page of a specific adoption center

o Precondition: Potential adopter is on the profile page of a specific Adoption Facility, where they will have a choice of pets to look at depending on what is posted by the facility. From here, they will be able to select which animal they wish to find out more about by selecting specific pet pages, where they can find more info.

o Postcondition: They get to the pet pages they wish to go to.

o Main Course:

§ Website has home page with multiple prompts, one being “find a pet” or something similar

§ Selecting “find a pet” yields a search bar, asking for a specific adoption facility

§ Once one is found, selection of pets is shown to user, where they can select individual profiles

o Exceptions: