Sulley- <http://sulley.cah.ucf.edu/~be132744/dig4503/project3/api_mashup/api2.html>

***1. Use data from two or more APIs to create a brand new mashup web application.***

I used Petfinder’s API along with google Maps API.

***2. The mashup should be useful and substantial.***

I used Petfinder’s API to get a list of animals in the various shelters across the country. To do this I used 3 query strings to gather the data through a JSON file. The beginning of these query strings can be found in the api2.js file around lines 5-10. These query strings take in values from the filters the users use and are passed on lines ~19 ~40 & ~76. The person is showed a list of 6 animals matching the criteria and when the user clicks on the google maps it becomes populated with markers. Clicking on each marker shows more information and a description gathered from the JSON file about the pets.

The API mashup is meant to be informative to those interested in adopting a pet.

***3. Your mashup should support the user experience.***

I used a simple form for filtering search results that doesn’t require much explanation required fields have a \* that can be recognized as a required field. Once the animal type is selected an ajax request is made via the “getBreed” function on line 16 in api2.js to populate the appropriate breeds corresponding to that animal and appended to a select element. If the search criteria isn’t met or there are no pets that match, a display will be shown saying “No animal matches found.” To test choose Cat->Breed Javanese-> search. Above the google map are instructions to let the user know how to interact with the map.

***4. Have interesting content and demonstrate strong effort (should not look thrown together over the course of a day or two).***

I tried to keep it simple yet appropriate so the user has an easy understanding of what the site is about. I used bootstrap 4 for some of the styling and positioning to give it some mobile responsiveness. The animal results are displayed in custom card-like style displaying basic info on the animal.

**5. Include an original element of your choosing. This original element is something that was not taught in class or my supplemental videos, but that you learned on your own by doing research - the original element can utilize any language you like.**

I did some searching for how to dynamically have multiple markers that were custom for the google maps and I created paw prints to replace the standard markers and styled the infowindow to create mini profiles of each pet. Inside of the infoWindows I also added a link that opens a new tab leading to a wiki page with info on the selected breed.