Version 3.0

Task 0: Explain what you are doing/ going to accomplish

I am going to design the personal pages for each dog as well as add in the “rent” functionality.

Task 1: Sketch interface design

Task 2: Identify any classes required

Class Dog

Will need the variables, Name, Age, Description, Breed, Available, Gender

Task 3: Identify information to be displayed

This will need to display the dogs information as well as whether they are in use or not.

Task 4: Identify user inputs

Clicking on the “rent” button will set the dog as “used” for a day

Task 5: Identify any constants or existing data if required

No constants for this version

Task 6: Identify indexed data structures

Data dictionary called dog\_list

Task 7: Determine what calculations are necessary

No calculations needed in this version

Task 8: Develop a modular structure for your program

 Set route to /dog-page/<id>

Set view to dog-page

Def dog-page:

Set dog\_id equal to int(dog\_id)

Set found dog to none

For dogs in dog\_list:

If dog.id = dog\_id:

Set found dog to dog\_id

Break the loop

Set data to a dictionary of the dogs info

Return Data to the page

Task 9: Define the functions identified

Dog-page defines each personal dogs pages

Task 10: Address any relevant implications such as usability, functionality, legal/ethical requirements.

Within this version, I will need to create a website interface that is easy to read and simple to understand as many of the users may be older/unfamiliar with technology. I also need to follow the general rules of design when it comes to websites with colours layout etc. Buttons need to be clear and laid out, everything should make sense.

It need to be functional, it should first fufill its purpose and secondly look aesthetically pleasing,

No copyrighted images. No illegal or explicit images etc.

Task 11: Document test cases for testing the program

Load, “localhost:8080/dog-page”, and see if the page show up to how I imagined it within the interface design sketch.

Also try renting a dog and see that it becomes “unavailable” after it has been rented out.

Task 12: Refine the plan

I had forgotten to assign each dog an ID so the page was not working, I Fixed this by adding in the line of code

self.id = next(self.\_ids)

This assigned each dog a unique ID and allowed the page to work.

Task 13: Document testing

Task 14: Evaluation