Version 1.0

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

I will create the initial bottle framework for the website including creating the class for each Dog as well as a starting test dictionary of Dog objects. I will also create the index page so that I can see that the bottle python works.

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

Within this version, the only info displayed is what is on the webpage, no variables form python are displayed.

Task 4: Identify user inputs

No user inputs for this version

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 vesion

Task 8: Develop a modular structure for your program

 Import from bottle, run, route, get, post, request, view, static\_file

Import from itertools, count

Define a class called Dog:

Set \_ids to be count function of 0

Def the \_\_init\_\_ function that takes parameters, (name, age, gender, breed, description, available)

Set paramater to equal self.paramater of the class Dog

Create dictionary called dog\_list:

Create 5 new dog object within that dictionary with different traits

Set route to ‘/’

Set view of “index”

Define index function:

Pass nothing through as no code required for now

RUN the bottle, (host = localhost, port = 8080, debug = True)

Task 9: Define the functions identified

Index function passes as there is nothing to send to the index page in this version.

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.

In terms of Visibility, the layout needs to be clear and the user should have full control over the web experience at all times. This means I will need to make the website easy to use for the user and easily controllable through the top navigation bar as well as obvious buttons placed throughout the application to give users an easy flow to complete the steps they need to take.

Task 11: Document test cases for testing the program

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

Task 12: Refine the plan

VER 1.1

I realised I needed to be able to add my own CSS as well as images to my website using bottle so I added code to be able to do that. This code I copied from my previous bottle projects as it isflexible over any bottle framework.

# Images

@route('/image/<filename>')

def server\_static(filename):

return static\_file(filename, root='./assets')

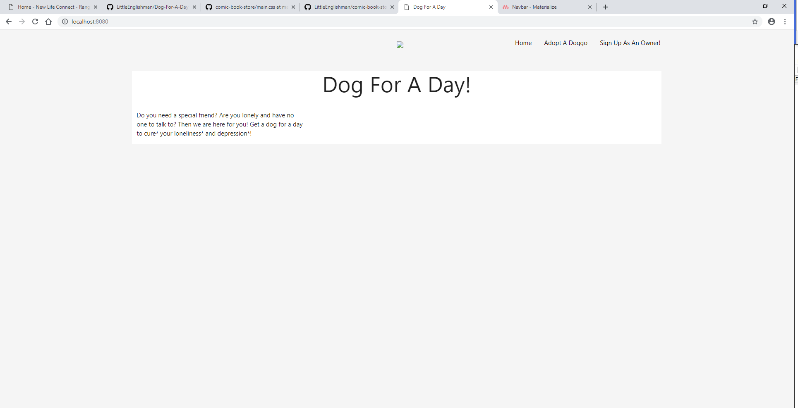
#Code to be able to link custom css Ver1.1

@route('/<filename>.css')

def stylesheets(filename):

return static\_file('{}.css'.format(filename), root='./assets')

Task 13: Document testing



As you can see this version loads correctly when loading up “localhost:8080”

Task 14: Evaluation

This version was successful in fulfilling its functionality of a working web page. I have decided to leave the aesthetics till a later update so that I may first focus on the functionality of the webpage. This allowed me to make sure the bottle python framework was working correctly first off.