Version 5.0

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

In this version I am going to improve the design of the website, as well as fix any bugs I come across. This is a minor update. But necessary I believe as there are quite a few problems form past versions that I have only just found.

Task 1: Sketch interface design

Not applicable for this version, no new pages created.

Task 2: Identify any classes required

N/A

Task 3: Identify information to be displayed

N/A

Task 4: Identify user inputs

N/A

Task 5: Identify any constants or existing data if required

No constants for this version

Task 6: Identify indexed data structures

N/A

Task 7: Determine what calculations are necessary

No calculations needed in this version

Task 8: Develop a modular structure for your program

No python needed in this version, unless I come across bugs

Task 9: Define the functions identified

None

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

No copyrighted images. No illegal or explicit images etc.

This version especially will be me trying to fix up the website and making sure everything is aligned, similar theme and design. This will mostly be done within the html code.

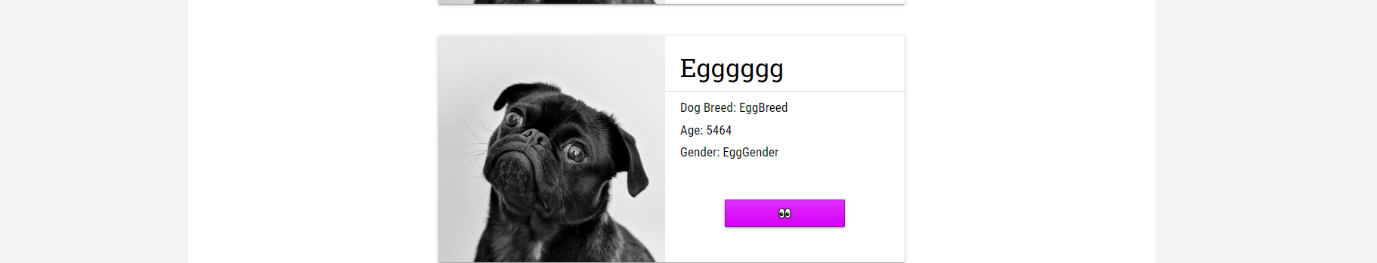
Task 11: Document test cases for testing the program

N/a (make sure all pages load correctly)

Task 12: Refine the plan

I realised that adding a new dog did not have the option for gender, which I had forgotten to add. The python code was returning None as I had not specified it within the form.

I added in the gender form and now it works as shown.



Here you can see that the gender shows up on the new dogs ID card on the showcase page. This is merely a test example.

I thought about the relevant forms for a dog and realised that there was no age cap. The dog could be from (-infinty, infinity) to change this I set the min age to be 1, as well as the max age to be 30. I chose 1 as the minimum age in years as a puppy under 1 year old is unlikely to be rented out on a doggy site. They would require too much care. And 30 was the max as I googled the oldest dog to live and it was 30 years old. (<https://dogtime.com/trending/37499-worlds-oldest-dog-dies-peacefully-age-30>) So I added this code into the input form for age.

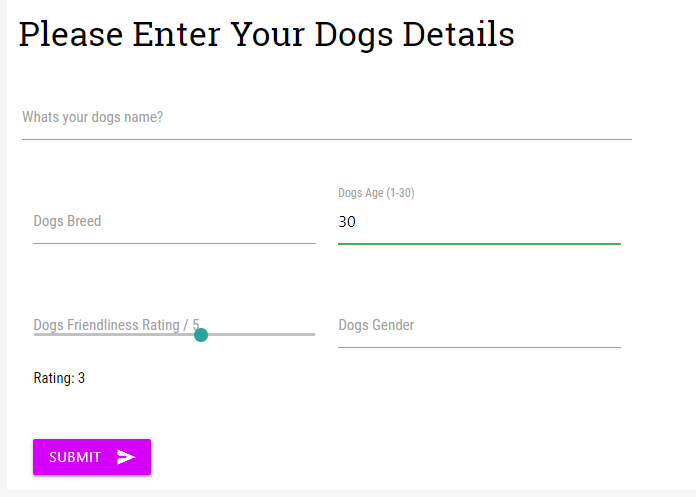
Max=”30” Min = “1”.

Testing.

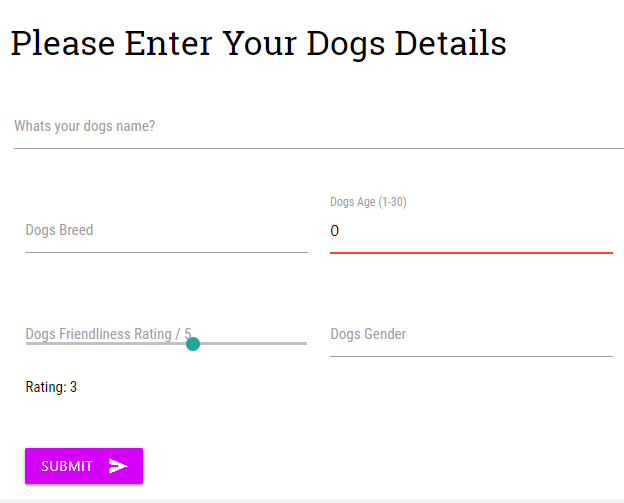
I then wanted to test these cases with different boundary values

|  |  |  |
| --- | --- | --- |
| Input Age | Expected output | Actual Output |
| 0 | No | No |
| 1 | Yes | Yes |
| 15 | Yes | Yes |
| 30 | Yes | Yes |
| 31 | No | No |

In this case “No” is when the program does not allow the input through, while “Yes” is when the input is allowed. No fixes were needed.



This is the “Yes” case, the green line indicates it is a valid input.



This is a “No” case. The red line indicates it is an invalid input.

Task 13: Document testing

N/A (bugs above are shown tested above)

Task 14: Evaluation

Because this version was specifically for bug testing/minor fixes. It was successful. However next time maybe I should have made it a V 4.1 rather than being a full version update to V 5.0.

This version fixed some necessary implications of my program and allowed it to be a more functional, more realistic application.