Version 6.0

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

I will add the ability to track the name of the person who “rented” out a dog as well as keep their email handy within their object.

Task 1: Sketch interface design

Not applicable for this version, no new pages created.

Task 2: Identify any classes required

Person class

Dog Class

Task 3: Identify information to be displayed

Dogs name

The users name

Task 4: Identify user inputs

Name, email address

Task 5: Identify any constants or existing data if required

No constants for this version

Task 6: Identify indexed data structures

List called Persons made up of people objects

Task 7: Determine what calculations are necessary

date = datetime.now() + timedelta(days=1)

This calculation adds 1 day to the date

Task 8: Develop a modular structure for your program

…

Set name to request.forms.get(“person\_name”)

Repeat for all variables

Set new\_person to Person class with above defined varibalbes

Set new\_person.dog to dog\_id

For dogs in dog\_list

If the dog.id matches dog\_id

Set found\_dog to dog

Break for loop

Set new\_person.dog\_name to found\_dog.name

…

Return data, human\_data

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.

Within this version I need to make sure the form to enter your name is easy to fill out and clean. I can’t ask for too much information which is why I only ask for name and email. That is enough to one, name the user and two, to contact the user. This also needs to keep the information

Again within this version I will ensure the same design features are used within the page, such as purple buttons and simple colour/design. To make usability as easy as I can. This continues the consistency of the design standards in the webpage.

This needs to make sure that the users privacy is upheld to emails will not be shared outside of the program. Again with the form, if any errors show up, the user needs to know what the error is and how to fix it. This is done through the materialize validation feature which tells the users what’s wrong and how to fix it.

Task 11: Document test cases for testing the program

When testing the program, does the date etc show up in the dog success page

Because the inputs within materialize already have a validation feature. There is no need to test the inputs. Emails must be a valid email to go through (they must include an “@” sign) and names must be a valid name. In this case I do allow numbers as you never know who might rent a doggo. <https://www.quora.com/Can-human-names-contain-numbers>

This site has examples of humans with numbers in their name, such as Bob 17, and 7.

Task 12: Refine the plan

I found that I was not able to return two dictionaries as it returned an error. Because of this I needed to change the way my program works and add the name of the owner into the name of the dog.

I added in the code within the human class.

Set self.dog to None

Set self.dog\_name to None

Set self.return date to None

I later found that return\_date = None returns an error so I changed the code to

Set self.return\_date to “0/0/0”

Which fixed the error as None does not work for date types. Which I only just found out.

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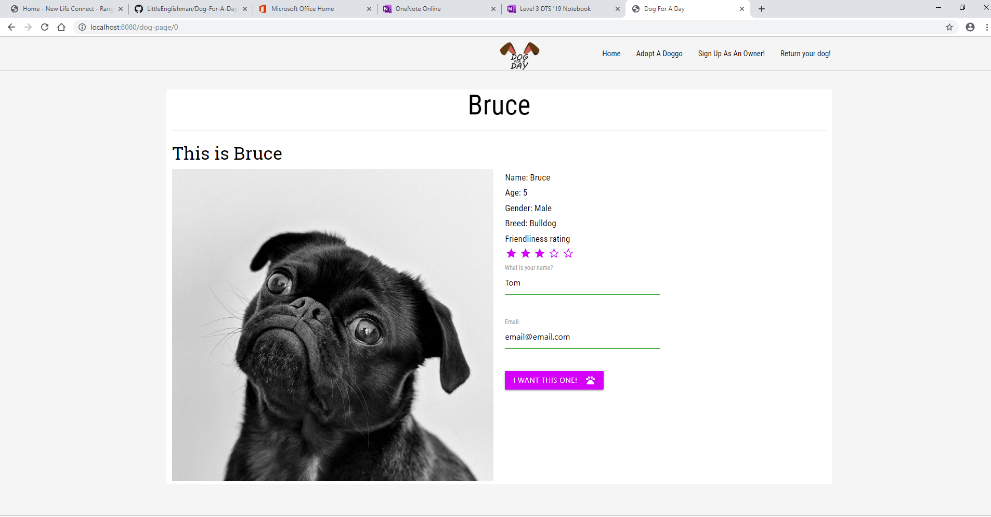
Because I could not return two dictionaries, I changed the return statement

Return human\_data

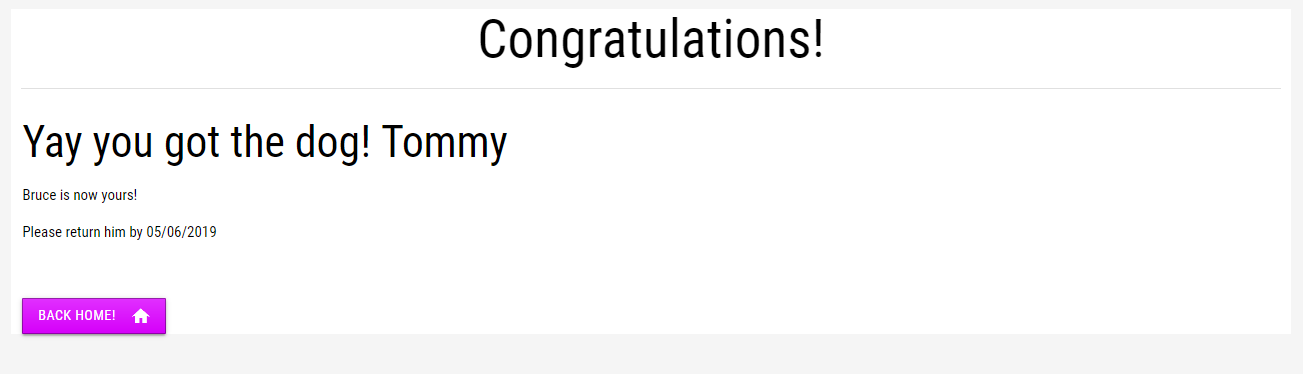
As I did not need the dog data due to the changes above.

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Task 13: Document testing



Here you can see the new form that shows up when you load a personal dog page, asking you your name and email.



Here you see the name and date displayed on the congratulations page. Formatting is not complete yet though.

Task 14: Evaluation

This version took a lot of bug fixing/figuring out how to do it. But in the end I got it to work. It now works how I wanted it to. This version allows me to create a more “personalised” user experience which makes the program more robust and friendlier to the user. It only collects name and email as a way to ensure the users privacy is upheld.