Colgato Co. Ltd.

Justin Alcantara & Thomas Meagher
https://ide.c9.io/knitz/cse5-alcantara-j-python

Input	Output
	
	

Credits

teeth pic sources:
https://www.niftysmiles.com/coffee-tea-or-white-teeth
http://www.saidaonline.com/en/news.php?go=fullnews&newsid=27127

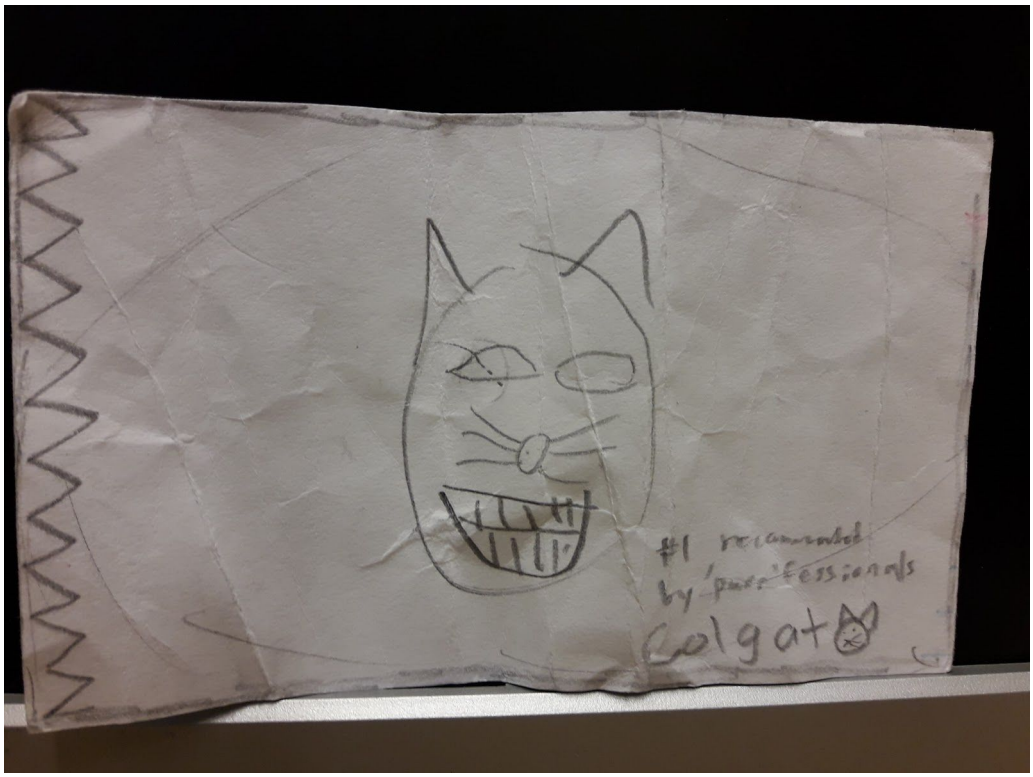
cat pic sources:
https://pets.thenest.com/cats-hiss-playing-8274.html

https://www.petfinder.com/cats/
http://www.animalplanet.com/pets/cats/
https://news.nationalgeographic.com/news/2014/01/140127-cats-pets-animals-nation-dogs-people-science/
http://kittentoob.com/cat-tips/exactly-cat-flehmen-response/

Brainstorm

- oval mask
- rectangular mask
- cat food product
- cat toothpaste product
- using pictures of cats
- ridged border
- flat border
- eye catching border color (not black/white/gray)
- motto
    - "#1 recommended by 'purr'fessionals"
    - "Want your cat to purr? Get our teeth whitener!"
    - "We can make your cat's teeth so white, it'll become way to bright"
- cat head logo in the bottom right or something
- clean white human teeth pasted over cat's mouth (position specified within arguments) like snapchat filter
- border with triangles
- border with weaved flowers
- logo
    - simple circle with two triangles as representation of a cat
    - colgato, with "o" as a cat (pun on colgate and gato)
    - cat with a toothbrush going through its head
- smooth hill-like border
- different human mouths for each cat

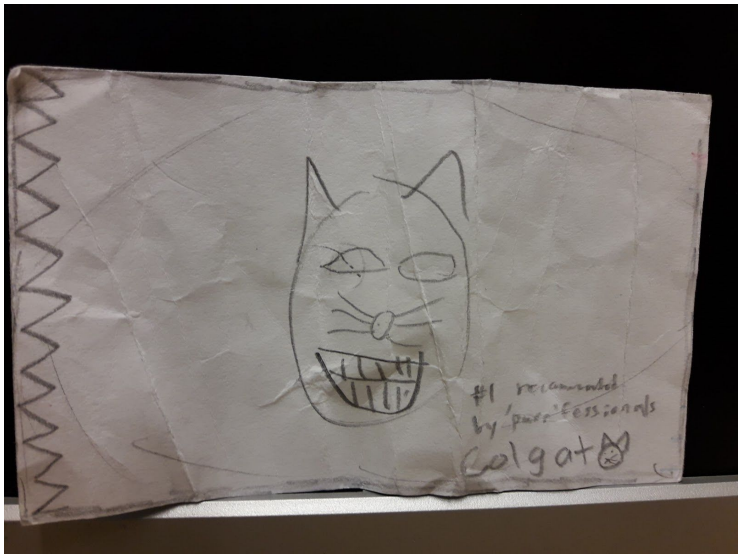
Sketch



raw images

Tiers:
Tier #1 - smooth solid borders, logo (static bottom right), teeth (placement, size),
Tier #2 - spiky border, tilt option for teeth (if cat's head is cocked, etc.), motto
Tier #3 - wavy border,

Project Log:

Date		Screenshot
3/7	brainstormed paper sketch created directory	
3/8	tiers digital sketch shared with another group	

3/9	(not visible here) white border around image added	
3/11	logo added in bottom right	

3/12	border color added	
3/13	masked (transparent background) teeth added	

3/14	teeth placement implemented	
3/15	teeth size (tsize) fixed,	

3/16	applied colgato_brand() to cat3.jpg and cat4.jpg	 
3/17	cat2.jpg replaced with a smaller image	

3/18	motto placement added (mxy)	
3/19	motto resize added (msize argument) finished colgato_brand() applied to all 4 images.	

3/20	slideshow created	https://docs.google.com/presentation/d/e/2PACX-1vRAY3jS2S2Q3xP3B4Mt4OnC6Q8MAwDNx5UVwCkV5MjUA5ER8iUZ-x_axys8EokIXUbusUauQUFES1b1/pub?start=true&loop=true&delayms=5000

3/23 customizable border color added

Array of Images

colgato_brand('cat1.jpg') Motto and teeth default at (0,0)	
colgato_brand('cat1.jpg', (300,300)) Teeth placed at specified coordinates; motto still default at 1	

colgato_brand('cat1.jpg',(300,300),2) teeth resized by scale of 2 (two times the original dimensions)	
colgato_brand('cat1.jpg',(300,300),2,(10,400)) motto placed at second set of coordinates	

colgato_brand('cat1.jpg',(300,300),2,(10,400),.2) motto resized by scale of .2	

Gallery Walk

Instructions: To get to the file, do 'cd 1.4.7/Project_Images', 'ipython', then '%run Alcantara_Meagher_1.4.7.py'

the command is 'colgato_brand(original_image, txy, tsize, mxy, msize)'
Adds a border, motto, and logo to an image, along with smiling teeth

original_image is a string for the filename of the image being used; can be any default image type (.png, .jpg, .jpeg, etc.)

txy is a tuple, determines the coordinates of the teeth placement (over the cat's mouth)

tsize is a float that determines the scaling of the teeth

mxy is a tuple, determines the coordinates of motto placement

msize is a float that determines the scaling of the motto

may take some trial and error to position the motto/teeth

Pro: Features Liked	Con: Aspects that were confusing, buggy, or etc.
- Neatly formatted code - Lots of descriptive comments	- The logos are not in the same place. Try to make the logos in the same place.

- logos available are unique and cool - I like that the code is very well organized	- Could have added more - Did not create a for loop - Don't have a folder for modified images - An input system that utilizes raw input would be more user friendly - file organization is confusing, modified files are in the same folder as unmodified files - command to run the code is unclear, user may not know what each attribute purpose is

Conclusion Q's

Thomas:

I thought our team dynamic was good and our design process was very thorough during this project. This was our third project together and I feel like each project we do, our chemistry has been going up and up. Each day we set tasks to help reach our image manipulation tiers and goals. And by doing that it definitely helped us finish the project with a comfortable amount of time to make all the necessary edits for the gallery walk. Our process for designing the product was very efficient. We thought up an idea, compromised on it, and got working on ideas and sketches on what the final product would look like. Although our teamwork and design processes were good, we do need areas to improve in. I need to improve more on my contributions. Even though I worked on the code for the program more than I did in the last project, Justin still did majority of the coding. Also, I was the one who was doing the majority of the work on the project notebook. I feel like we need to start finding new ways to make it where we do an equal amount of the work. Some steps that we could take is that we need to become

more reliant of each other. We should give each other tasks each day, that are the equal amount of work, and we should have them do it and have them be accountable for those tasks. And if they don't do the tasks, then the other partner shouldn't do it for them. Overall, I feel like we don't have many improvements that we need to make. Our teamwork is good, we enjoy each other's company, and we get our work done. The only thing we need to work on is our equal sharing of the work. Like I said before, this is our third project together and I do feel like this was one of our better projects working together with him.

Justin: Our team dynamic was pretty good in my opinion, and though I'm ultimately not sure how good our project ended up being, I'm confident that we accomplished our goals efficiently, and probably satisfied the project requirements. Since my current partner and I have done multiple projects together, we were pretty comfortable working together, which I think helped get our differences sorted out easily. Our work was split pretty evenly too; like most other projects this year, I did most of the coding but got a lot of help done with documenting, brainstorming, and decision-making; we both helped each other out on our respective tasks every once in a while. Like I mentioned, the design process went pretty smoothly. We decided on the path we'd take pretty soon after brainstorming, and came up with reasonable tiers. Since we weren't completely sure how we would practically accomplish our goal, we set the bar somewhat low in case we couldn't figure some features out, which helped us in the long run since we at least matched the requirements.

Some problems we ran into were small yet important and plentiful mistakes we made, partly due to our inexperience with Python. We got help from neighboring groups often when we got stumped, from errors

Conclusion: Reflect on the team dynamic and on the design process. What were areas for improvement? What steps could you take next time to make those improvements?