***Brainstorming Ideas (informal):***

-url shortener---> databases, takes the entire url and makes it smaller

-some type of card game??---> potentially easy, could be cool to have multiplayer

**-image to an ASCII art**----> seems interesting , what kind of images specifically

-alarm clock---> not too difficult but not enough maybe a alarm clock in something else

-Type racer---> Not much we can add to it its self explanatory

-The image to ascii art we hard code in the image file and it prints out the image in ASCII art potentially colored.

-checkers or chess maybe 2 vs 2

**Possible functionality**

* Function to change the size of the ascii, ex. Choose to Print an ascii art that is 30x30 or 50x50
* Print coloured ascii art, or just regular black and white
* Maybe try and open the camera and take screenshot

**The GitHub link.**

<https://github.com/ovenonion/GSP.git>

**Helpful Links:**

<https://omz-software.com/pythonista/docs/ios/Image.html>

<https://omz-software.com/pythonista/docs/ios/ImageFilter.html#module-ImageFilter>

<https://pythonexamples.org/python-pillow-show-display-image/>

<https://www.geeksforgeeks.org/change-image-resolution-using-pillow-in-python/>

<https://stackoverflow.com/questions/6442118/python-measuring-pixel-brightness>

<https://auth0.com/blog/image-processing-in-python-with-pillow/>

<https://www.youtube.com/watch?v=EvBfcM2Y-Kk>

**OpenCV Link:**

<https://www.geeksforgeeks.org/extract-images-from-video-in-python/>