Pelican Collective Brief Members:
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CST 205

Midterm Outline

CSUMBy Filter

1. Topic:
    a. Add additional elements to a user provided photo such as:
        i. Adjust color so there is 'Bay Blue' (PMS 540) at the top ⅓ of the image, 'Valley Green' (PMS 5545) for the ⅔ from the top of the image, and 'Golden Sand' (PMS 871) for the remaining portion at the bottom
        ii. CSUMB logo in lower right hand corner with sufficient padding from edge
        iii. Add sunglasses and beachball to otter
        iv. Add text next to logo to read: "There's nothing hotter!"
        v. Add text centered at top of image to read: "We are the Sea Otters"
2. Sources:
    a. CSUMB color scheme https://csumb.edu/affairs/color-palette
    I. This source provides the color palette that is certified by CSUMB. By using these colors in our custom CSUMB filter we will be able to capture the feel of CSUMB.
    b. CSUMB logo https://csumb.edu/affairs/logo
    I. It is important to add CSUMB's logo to a photo in order to brand the image. This source provides CSUMB's authentic logo which can be used in our custom filter.
    c. CSUMB mascot slogan https://csumb.edu/affairs/mascot
    I. The otter mascot is a defining image of CSUMB, we are going to apply this to the filter in order to capture CSUMB's mascot image.
3. Progress Update:
    a. We have begun compiling code from previous labs and will be modifying the functions to allow reuse for this application. In particular the lab 4 function "roseColoredGlasses() will be modified to allow pixel range in y axis as well as a color definition and will be renamed anyColorGlasses(yStart, yEnd, rColor, gColor, bColor)

Advanced Image Filter: warholAndyIfy

1. Topic:
    a. Transform an image to resemble an Andy Warhol painting
        i. Posterize image
        ii. pyCopy into new image consisting of image grid using color modification algorithm that utilizes random colors
2. Sources:
    a. Andy Warhol painting featuring Marilyn Monroe: https://www.artsmelange.com/article/the-founder-of-pop-art-andy-warhol/

I. This source provides an example of what Andy Warhol's famous painting looked like. By using this source as an example we can get ideas on how we want the final result to look.

b. Lab #6 Changing Regions of Pictures - ARTIFY Function
I. To get the posterization look we will apply a version of the Artify function that we created in the lab6 class assignment. This filter will apply the Andy Warhol look to the image, which after a function will duplicate the image four times.

3. Progress Update:
    a. On Monday 3/19/2018 our group met to discuss what we want our filters to do. We determined that we want to provide users with a filter that will take their image and apply a Andy Warhol style result. We discussed how to approach the project and divided the work so that each member can work on different pieces of the project. We updated the project outline and made final edits so that we can begin working on the filters.