This is CS50x

OpenCourseWare

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Fiftygram

Distribution Code

Download this project's distribution code (https://cdn.cs50.net/2019/fall/tracks/ios/fiftygram/fiftygram.zip).

What To Do

- More Filters
- Saving Photos

More Filters

We've added a few different filters together, but now try experimenting with your own! Add at least one new filter of your choosing to the app. Be creative!

Saving Photos

Our app can apply filters to photos, but it would be nice if we could save those photos so we could post them elsewhere!

First, some bookkeeping. iOS has a pretty strict permissions model, so your app will need to request permission to store a photo to the user's device. To do so, open up the file called Info.plist.plist is short for "property list", and you'll see that this file is just that—a list of key/value pairs containing some information about your app. Click on the plus sign on the first row (next to Information Property List) to create a new row. In the key column for the new row, select Privacy - Photo Library Additions Usage Description, which should auto-complete for you. For value, use something like Fiftygram allows you to save photos to your library. This tells iOS that your app needs Photo Library access, and it will prompt the user accordingly.

Next, add a new button to the storyboard that will save the photo when pressed. Then, wire it up to an @IBAction in your ViewController class. Finally, inside of that method, implement saving the photo. The UIImageWriteToSavedPhotosAlbum function will come in handy!

How to Submit

To submit your code with submit50, you may either: (1) upload your code to CS50 IDE and run submit50 from inside of your IDE, or (2) install submit50 on your own computer by running pip3 install submit50 (assuming you have Python 3 (https://www.python.org/downloads/) installed).

Execute the below, logging in with your GitHub username and password when prompted. For security, you'll see asterisks (*) instead of the actual characters in your password.

submit50 cs50/problems/2020/x/tracks/ios/fiftygram