

PHOTO EDITOR (iOS)

Ever been on a trip without posting hundreds of snaps on Snapchat or Instagram? Well, the answer is definitely no! So by now, many of you may have guessed the problem or got a slight insight of it. Yes, this problem statement is for snap lovers. The objective of the problem statement is that you end up coding a Photo Editor, for yourself.

NECESSARY FEATURES :

- It will have a initial screen. The **UIViewController** would comprise of a single **UIButton** to open the device's camera app or gallery to capture/select an image. (Use **UIImagePickerController**)
- The image would be rendered in a view and there would be some buttons allowing editing options.
- Write: User should be able to enter text into an edittext. The edittext should be present in the center of the image.
- Draw: User should also be able to draw/write using finger motion on the captured image. The drawing should appear above the image.
- Emojis: Ability to insert emojis. It also has to be combined into the main image bitmap similar to the above two steps.
- Save: Clicking on this button should enable user to save image in his photo library.
- Cancel: It should be present in the top left corner and should move to the main preview of the application.

BONUS FEATURES :

- Elegant User Interface, obeying **iOS Human Interface Guidelines**.
- There can be a provision to change the stroke width of the text/drawing drawn over the image.
- Allowing the feature to **crop** the image will be a great add on.
- Allowing **rotation** of the selected image will also be an add on.

Hint : **Core Image** is an image processing framework that lets you easily apply filters to images. You can read about its details and usage from the Apple Developer Documentation.

PS : Bold words can be used as keywords for google search.