

Instagrid

Instagrid iOS app has been developed for Open Classrooms on iOS dev in swift 4.0.

Installing

clone the repository on your local machine and open Xcode and then build the project.

Supported platforms

Iphone & ipad (portrait only)

Concept

This application allow the user to choose images from :

1. photo library
2. take pictures with camera (Bonus 1)
3. search on `Pixabay` for images (Bonus 2)

You can find Pixabay RESTAPI Documentation <https://pixabay.com/api/docs/>

Apply filters (based on CoreImages) (Bonus 3)on them:

```
-CIPhotoEffectNoir  
-CIPhotoEffectChrome  
-CIPhotoEffectInstant  
-CIPhotoEffectTransfer  
-CIPhotoEffectProcess  
-CIPhotoEffectTonal
```

Opérateur

23:49

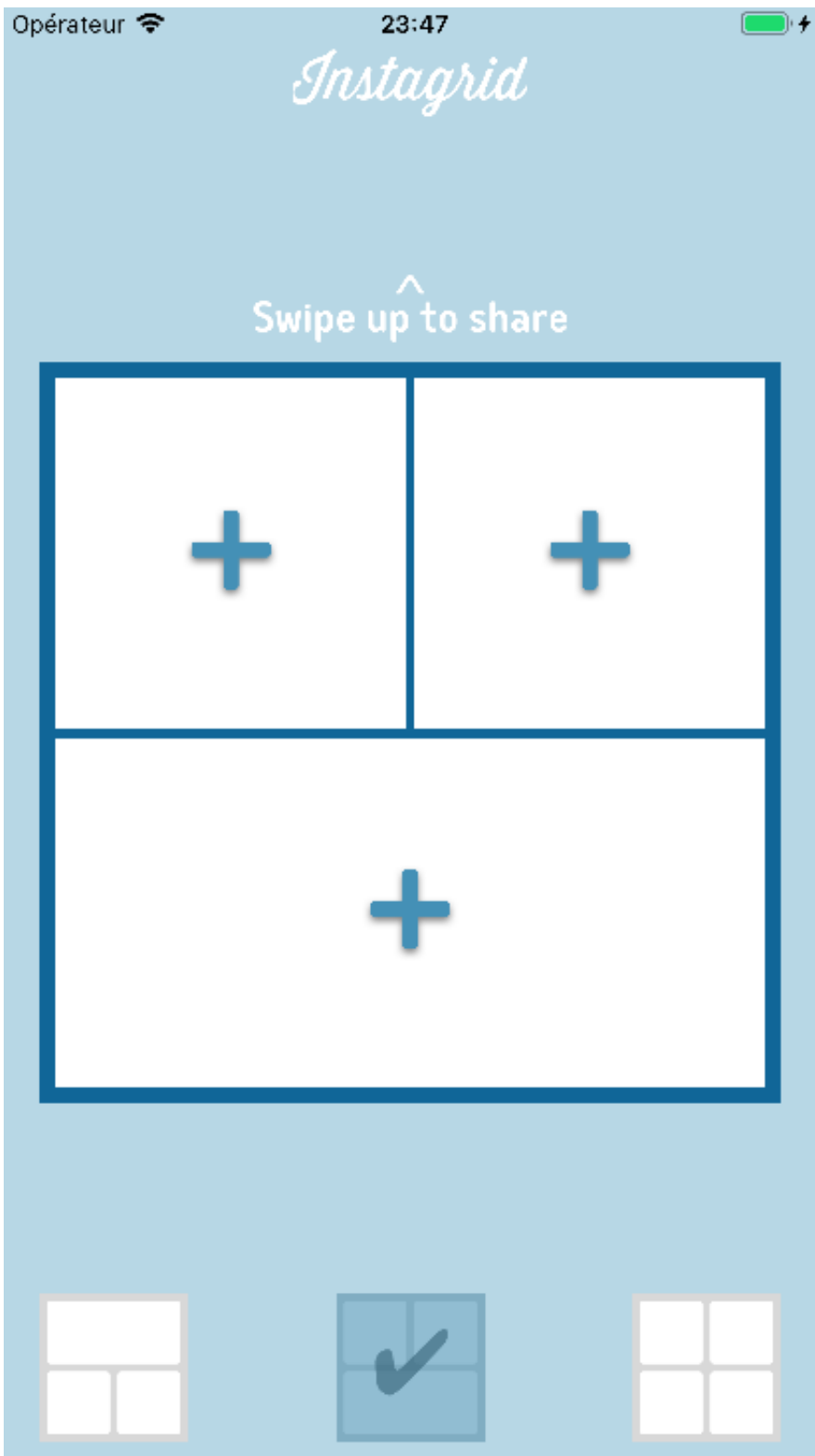


Instagrid

Swipe up [^] to share

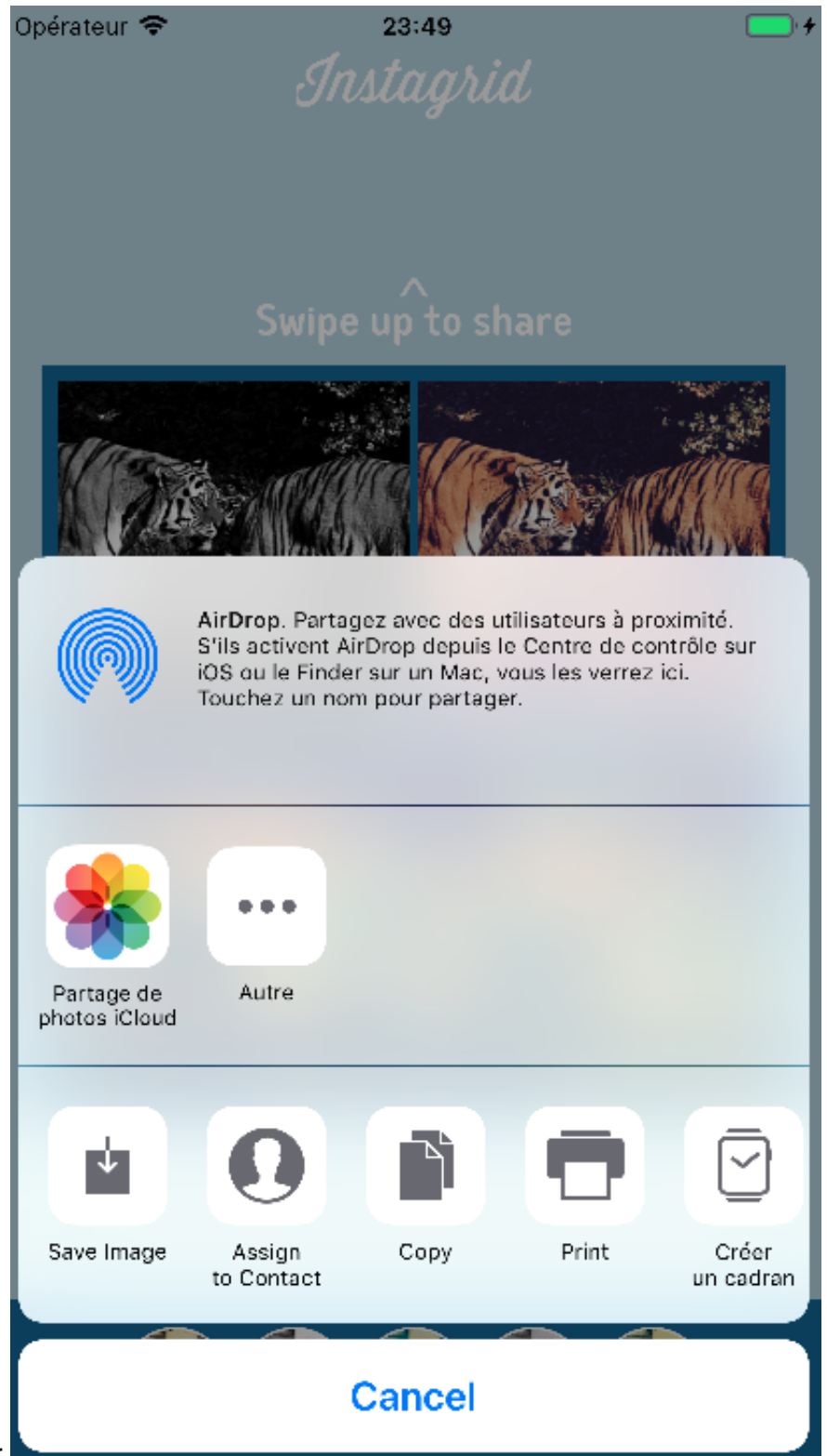


and create a collage with 3 different



layouts

and share it mail, social apps,



sms or save it via a UIActivityController

Take Picture

We use the same image picker and set up a function that checks if there is a camera or not.

Ipad Compatibility Bonus

Special constraints have been done.

The UIImagePickerController has to be presented in popover and not modally. We had to check the device to apply the choice

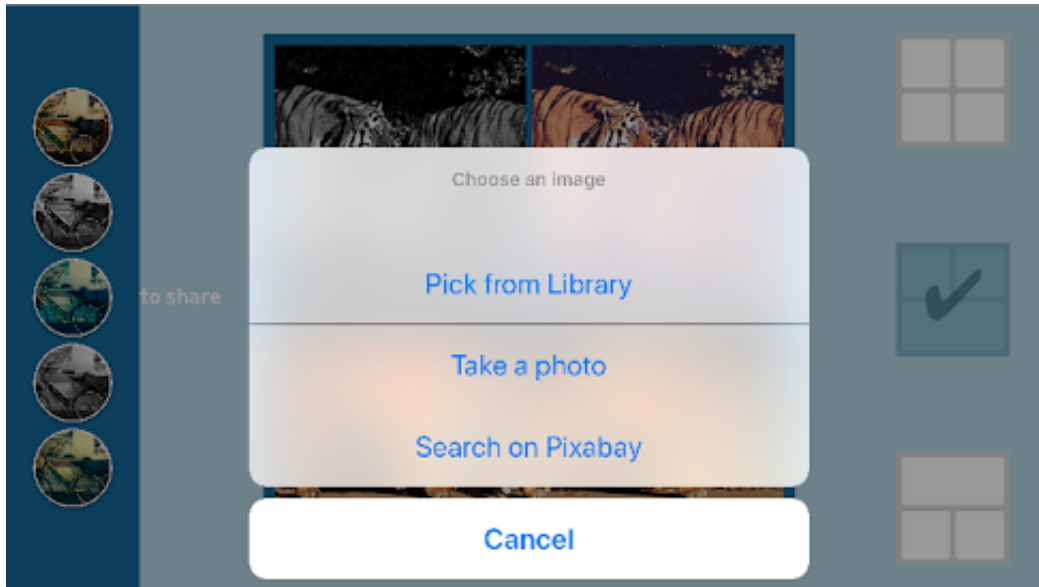
```
if UI_USER_INTERFACE_IDIOM() == UIUserInterfaceIdiom.pad {
    if let PopOver = controller.popoverPresentationController {
        PopOver.sourceView = self.view
    }
    present( controller, animated: true, completion: nil )
    //print("ipad")
} else{
    //print("iphone")
    present(controller, animated: true){
    }
}
}
```

For the landscape orientation a function has been to design to get the correct orientation first we check orientation

```
if UIDevice.current.orientation.isLandscape {
    landscapeOrientation = true
    print("Landscape")
} else{
    print("Portrait")
    landscapeOrientation = false
}
```

and then we force the orientation

```
let landscapeRawValue = UIInterfaceOrientation.landscapeLeft.rawValue
UIDevice.current.setValue(landscapeRawValue, forKey: "orientation")
```



WebSearch Bonus

You enter a query in the text input field and trigger the search by pressing search button

We have set :

1. An APIClient Model
2. An object model for answer
3. Set up a CollectionView

The search is displayed on a separate UICollectionViewController. You add the image to the collage when tapping on the image

Cancel

Plane

Search

