

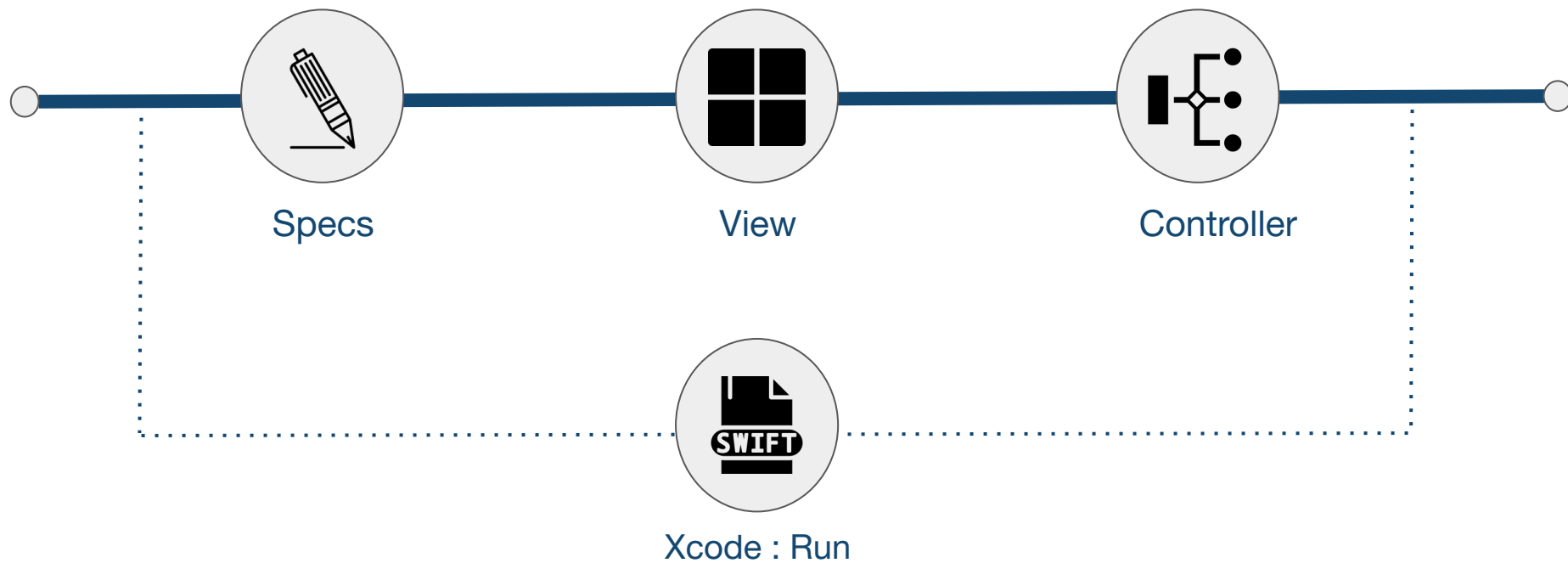
PROJET 4

Instagrid : application de montage photo



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SOMMAIRE



View



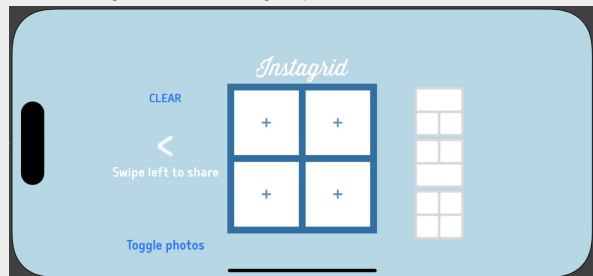
Design responsive

(iPhone SE -> iPhone 14 Pro)



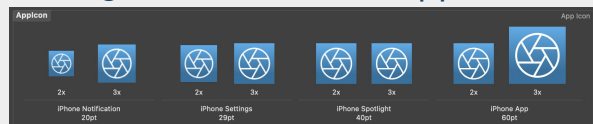
Auto-layout

Mode portrait & paysage

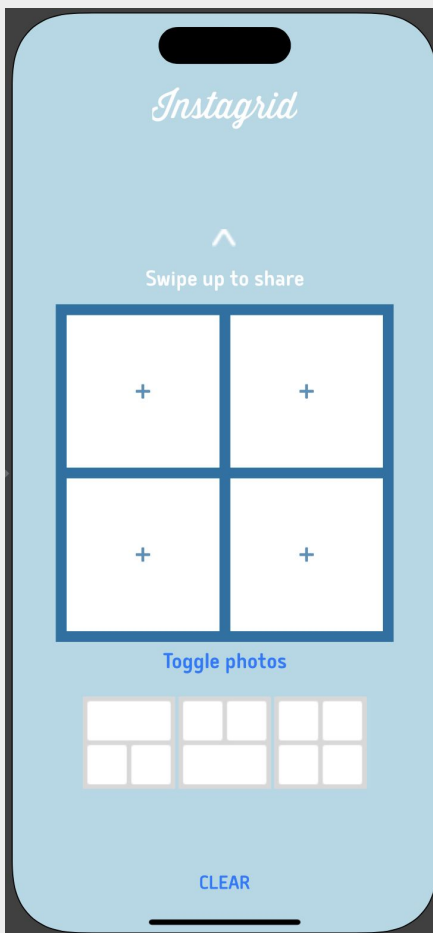


App icons & Launch screen

Settings - Notifications - App Store



Application



Controller

Sélection des photos

Permettre à l'utilisateur de sélectionner des photos depuis sa librairie ou son appareil photo et de les modifier

Agencement des photos

Permettre à l'utilisateur de positionner ses photos selon trois dispositions de grille

Swipe & Share : partage des photos

Permettre à l'utilisateur de swiper vers le haut ou vers la gauche pour partager sa grille de photos avec ses contacts

Clear: effacer les photos

Permettre à l'utilisateur d'effacer

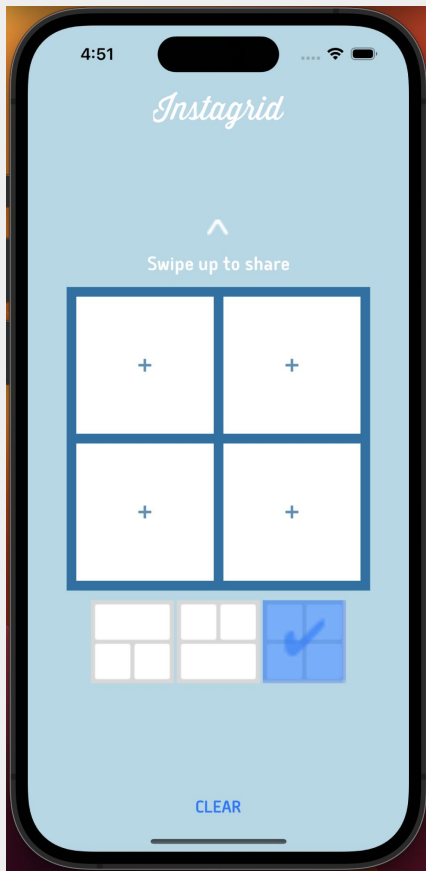
Bonus : toggle photos

Permettre à l'utilisateur de toggle

Portrait

View

Landscape



UILabel Thirsty-Soft-Regular
Center X, Height, Top-spacing

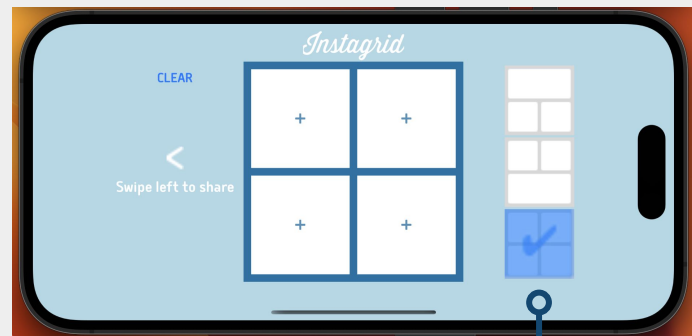
UIStackView
UIImageView : Arrow
UILabel: Delm-Medium
Center X, Axis vertical, Alignment center, fill, Spacing top & bottom

UIView
UIStackView: vertical, fill equally
UIStackView: horizontal x2
UIButtons x4
Square 1:1, Spacing left & right

UIStackView
UIButtons x3
Center X, Axis horizontal, fill equally

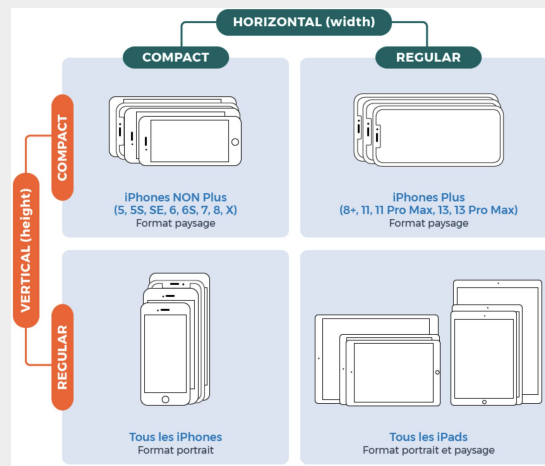
UIButton
Center X, Bottom-spacing

Variation : hC
Image,
Center Y,
Spacing left
& right



Variation : hC
Spacing top & bottom

Variation : hC
Axis vertical

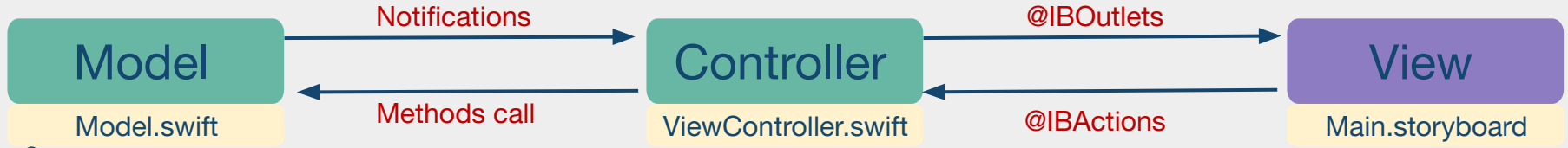


Size Class
hR & wC -> iPhones en mode portrait

hC -> iPhones en mode paysage

Architecture MVC

Model - View - Controller



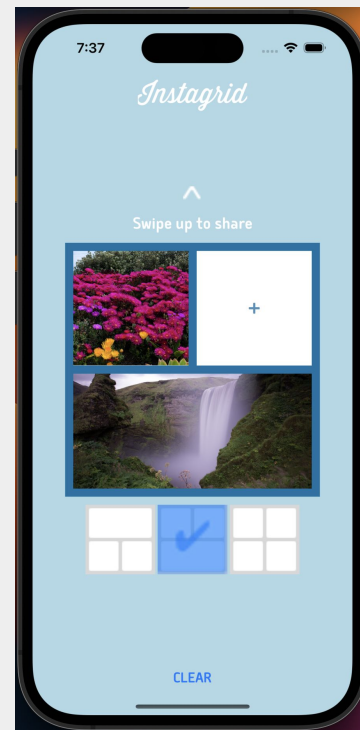
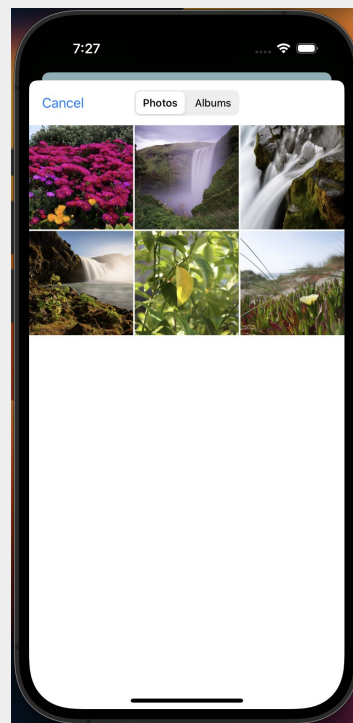
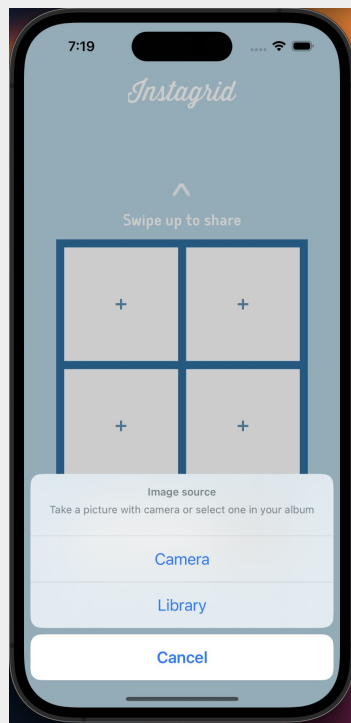
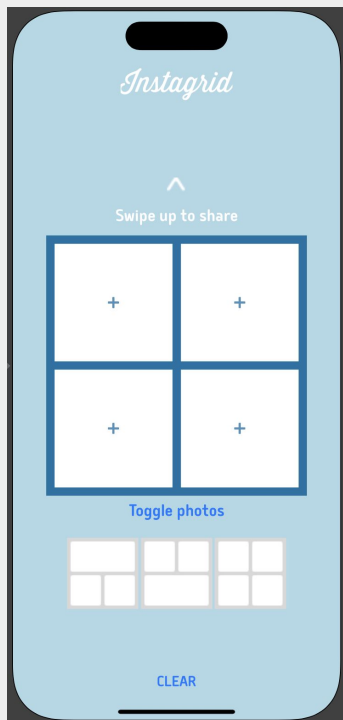
● Pour instagrid, il n'y a pas de réelles données à modéliser, de logique métier à implémenter ou même d'appels réseaux vers l'extérieur



Pas de modèle

1. Sélection des photos

Controller



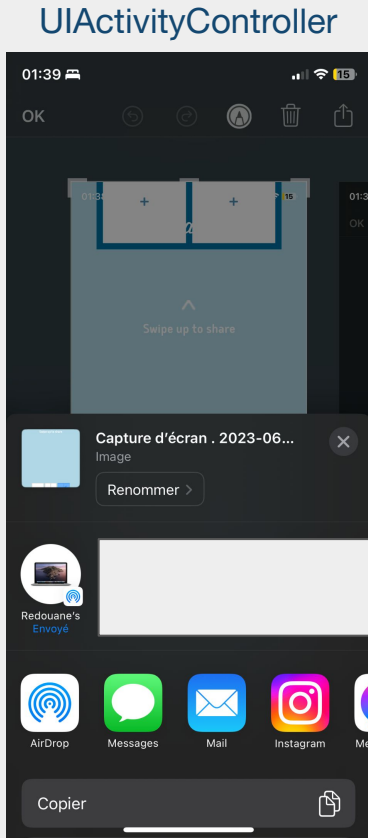
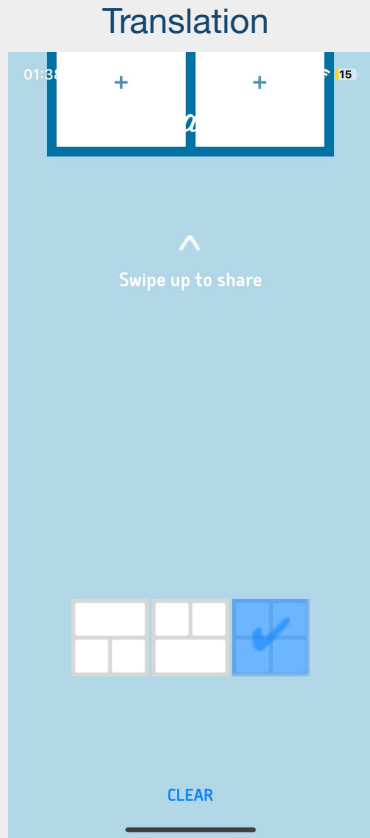
1. @IBAction
func tapped(_ sender: UIButton!)
{ selectImage() }

2. UIAlertController
cameraAlertAction
libraryAlertAction
cancelAlertAction

3. UIImagePickerController
cameraPickerController
libraryPickerController
↓
pickerControllerDelegate

4. @IBOutlet
Call-back
func imagePickerController (_)
↓
{ button.setImage() }

2. Swipe and Share



Controller

1. add swipe gesture

```
var swipeGesture: UISwipeGestureRecognizer?  
var appropriateTranslation: CGAffineTransform?  
@IBOutlet weak var mainBlueView: UIView!
```

```
override func viewDidLoad() {  
    swipeGesture = UISwipeGestureRecognizer(...)  
    getOrientation()  
    mainBlueView.addGestureRecognizer(swipeGesture)  
}
```

2. Animated transformation

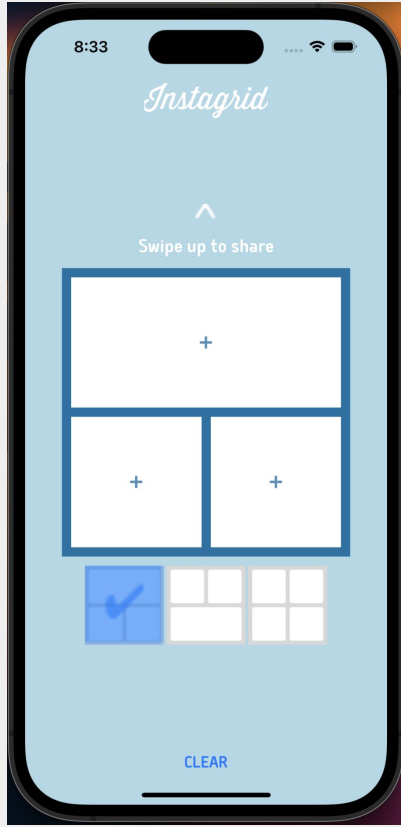
```
UIView.animate(...) {  
    self.mainBlueView.transform = appropriateTranslation  
} { _ in self.share() }  
}
```

3. Share

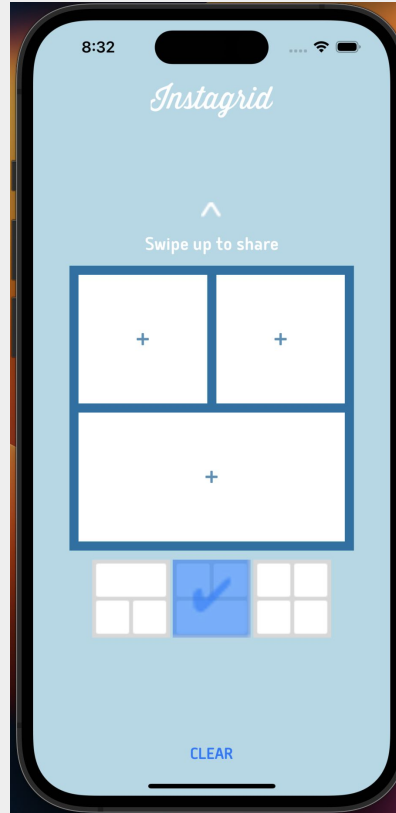
```
let image = mainBlueView.TransformMainBlueViewToSharableImage  
let activityViewController = UIActivityViewController(...)  
self.present(activityViewController, animated: true)  
activityViewController.completionWithItemsHandler = {  
    UIView.animate(...) {  
        self.mainBlueView.transform = .identity  
    }  
}
```

3. Agencement des photos

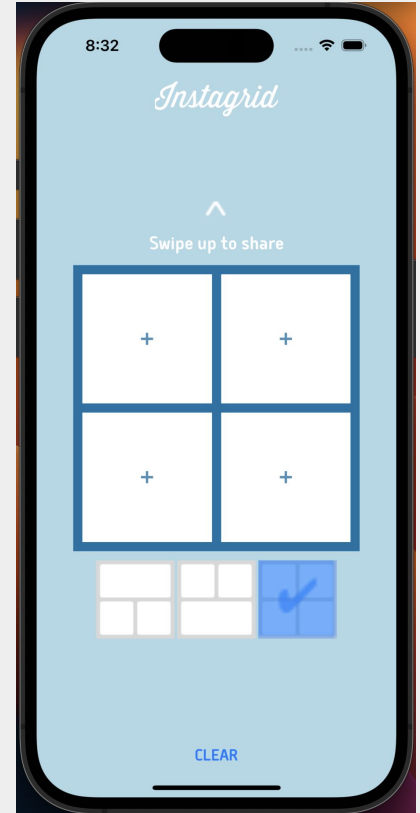
Controller



Layout 1



Layout 2



Layout 3

CONCLUSION

