

# Service Management

## App Presentation

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# Pods & Libraries

- Alamofire
  - For sending Rest-API Requests.
- NotificationBannerSwift
  - For showing messages in a beautiful way to the users
- Cosmos:
  - Rating view in Create Centers

```
target 'Ostani' do
    # Comment the next line if you don't want to use dynamic frameworks
    use_frameworks!

    # Pods for Ostani
    pod 'Alamofire', '~> 5.0.0'
    pod 'NotificationBannerSwift'
    pod 'RxKeyboard'
    pod 'Cosmos', '~> 23.0'
    pod 'TOCropViewController'

end
```

# Pods & Libraries

- RxKeyboard
  - Handle problems in usage of Keyboard in different forms and textfields
- TOCropViewController
  - Crop images and other modifications needed in edit images

```
target 'Ostani' do
    # Comment the next line if you don't want to use dynamic frameworks
    use_frameworks!

    # Pods for Ostani
    pod 'Alamofire', '~> 5.0.0'
    pod 'NotificationBannerSwift'
    pod 'RxKeyboard'
    pod 'Cosmos', '~> 23.0'
    pod 'TOCropViewController'

end
```

# Extensions

# Extensions

- Benefits:
  - Make view-controllers smaller
  - Prevent repetitive code in different places
  - Speed up code writing
- You'll see some examples in next slides

# Coordinator

- Easy to manage navigation between views
- Get rid of redundant code in every time we navigate between views
- Manage Navigation Controller in every places in project

```
enum StoryboardName: String {
    case Main
    var instance: UIStoryboard {
        return UIStoryboard(name: self.rawValue, bundle: Bundle.main)
    }
    func viewController<T : UIViewController>(viewControllerClass: T.Type) -> T {
        let storyboardID = (viewControllerClass as UIViewController.Type).storyboardID
        return self.instance.instantiateViewController(withIdentifier: storyboardID) as! T
    }
    func initialViewController() -> UIViewController? {
        return instance.instantiateInitialViewController()
    }
}

class Coordinator: NSObject {
    static var appNavigationController: UINavigationController!
    /**
     This function pushes a view controller on another view controller using the existing navigation controller in our hierarchy
     - parameter sourceViewController: a view controller that we want to push the new view controller on.
     - parameter destinationViewController: a view controller that we want to show the user.
     */
    class func pushViewController(sourceViewController: UIViewController, destinationViewController: UIViewController, animated: Bool = true) {
        sourceViewController.navigationController?.pushViewController(destinationViewController, animated: animated)
    }
    /**
     This function pops a view controller inside navigation controller from a source view controller.
     - parameter viewController: a view controller that we want to display to user.
     */
    class func popViewController(viewController: UIViewController, animated: Bool = true) {
        if viewController.isModal{
            viewController.dismiss(animated: true)
        } else {
            viewController.navigationController?.popViewController(animated: true)
        }
    }
}
```

# Storing Data

- Used to manage saving data in UserDefaults
- Keep Token inside app memory which let user stay signed in when reopen the app
- keep user data inside app memory and be able to use them in different places

```
9
10 enum UserDefaultKeys: String {
11     case phoneNumber
12     case token
13     case firstName
14     case lastName
15     case image
16     case allCentersCount
17     case myCentersCount
18 }
19
20 class StoringData {
21
22     static var allCentersCount: Int {
23         get {
24             return UserDefaults.standard.integer(forKey: UserDefaultKeys.allCentersCount.rawValue)
25         }
26         set (newValue) {
27             UserDefaults.standard.setValue(newValue, forKey: UserDefaultKeys.allCentersCount.rawValue)
28         }
29     }
30
31     static var myCentersCount: Int {
32         get {
33             return UserDefaults.standard.integer(forKey: UserDefaultKeys.myCentersCount.rawValue)
34         }
35         set (newValue) {
36             UserDefaults.standard.setValue(newValue, forKey: UserDefaultKeys.myCentersCount.rawValue)
37         }
38     }
39
40     static var phoneNumber: String {
41         get {
42             return UserDefaults.standard.string(forKey: UserDefaultKeys.phoneNumber.rawValue) ?? ""
43         }
44         set (newValue) {
45             UserDefaults.standard.setValue(newValue, forKey: UserDefaultKeys.phoneNumber.rawValue)
46         }
47     }
48 }
```

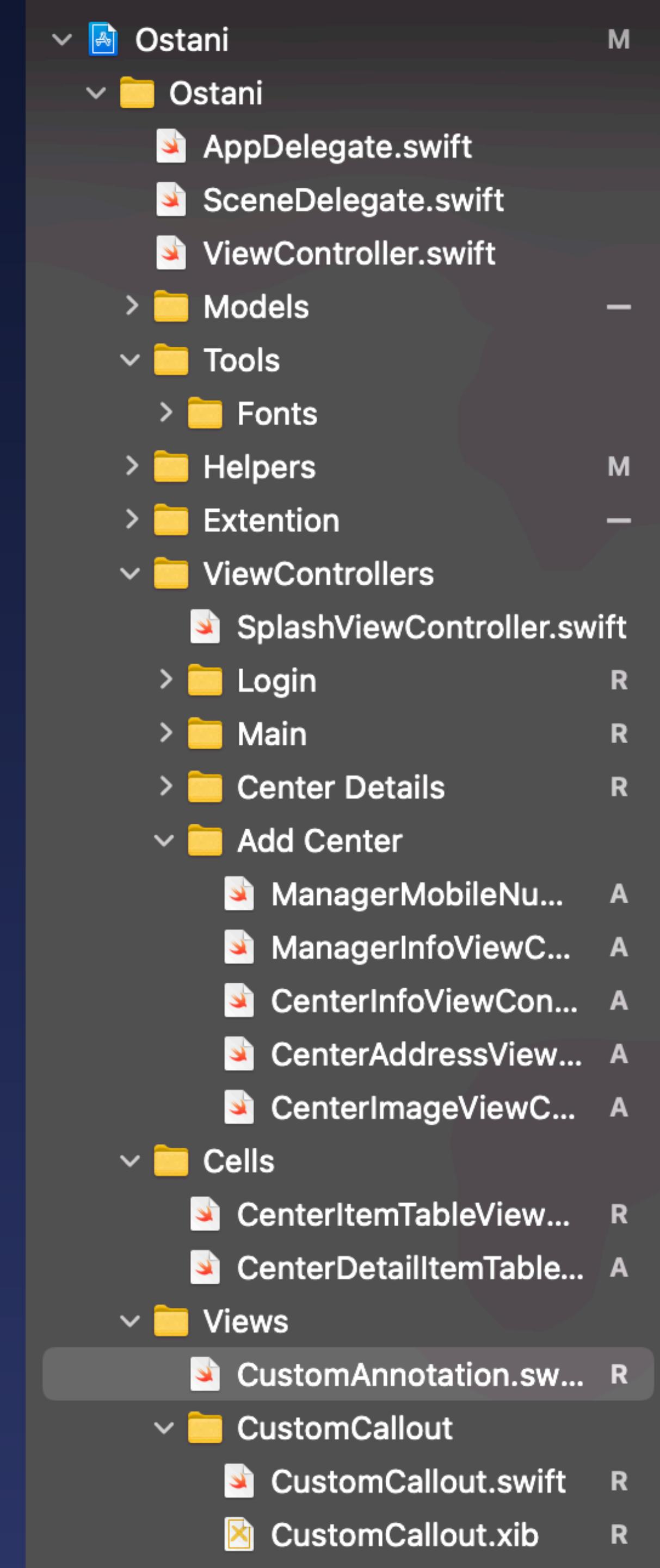
# Code Description

**Good architecture makes the system easy to understand, easy to develop, easy to maintain, and easy to deploy. The ultimate goal is to minimize the lifetime cost of the system and to maximize programmer productivity.**

Robert C. Martin, Clean Architecture

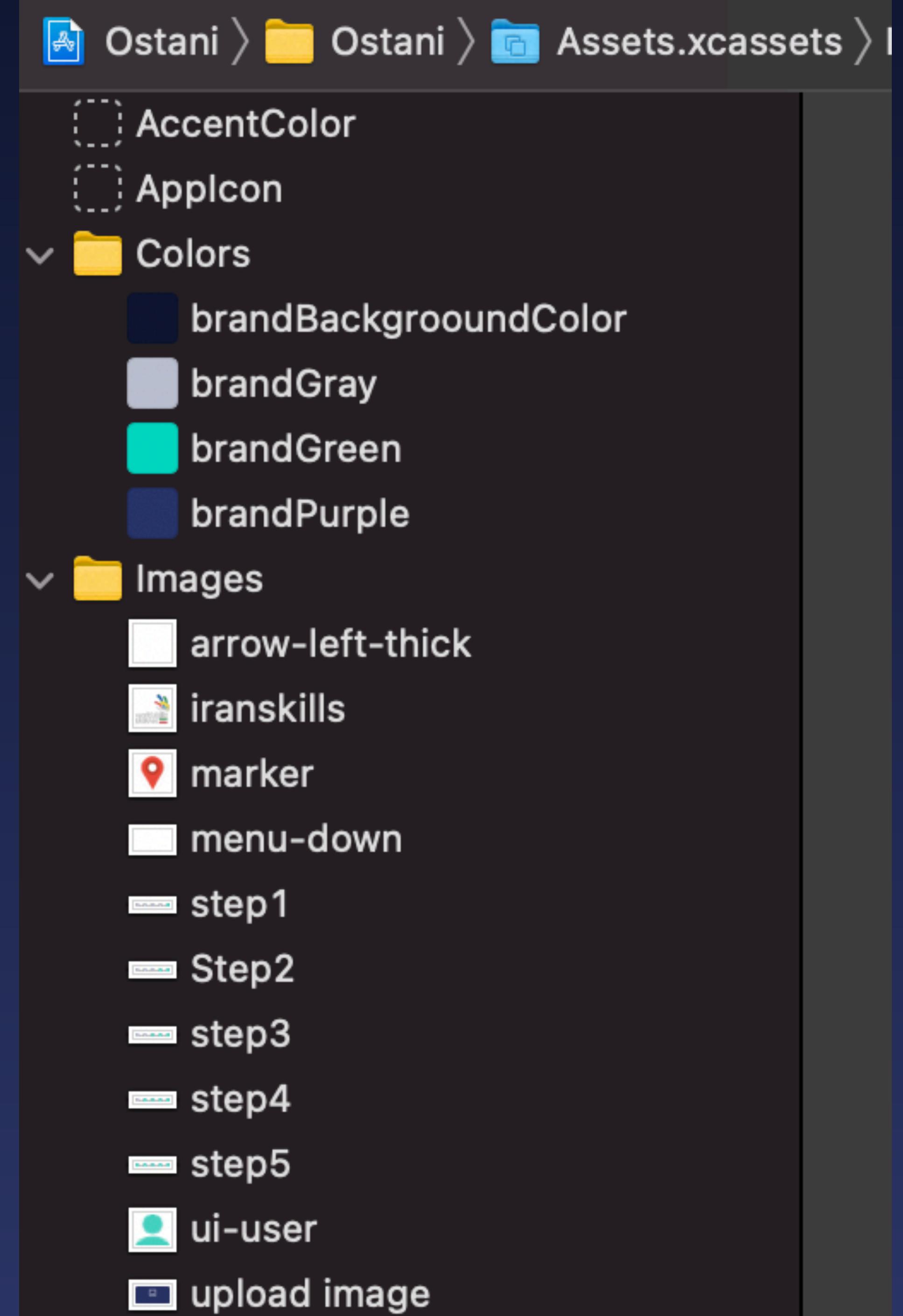
# Source Code

- Cleaner code
- Categorize files base in their purpose and usage
- Find a file and modification in it would be faster with a Regular and structured Source code



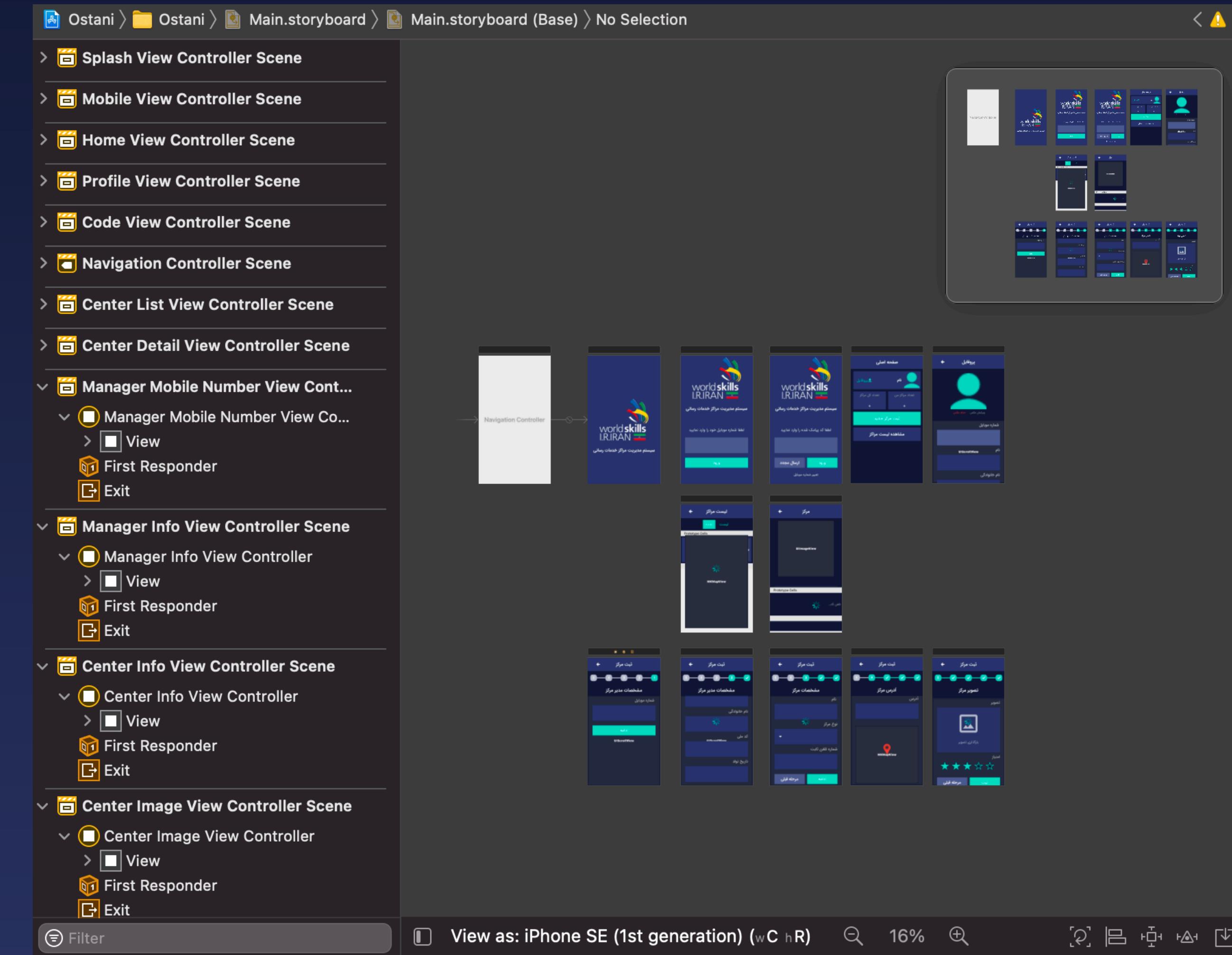
# Assets

- Create Brand Color sets based on Adobe XD Design
- Add icons in 1x, 2x, 3x format
- Put icons and colors in different folders in order to organize source code

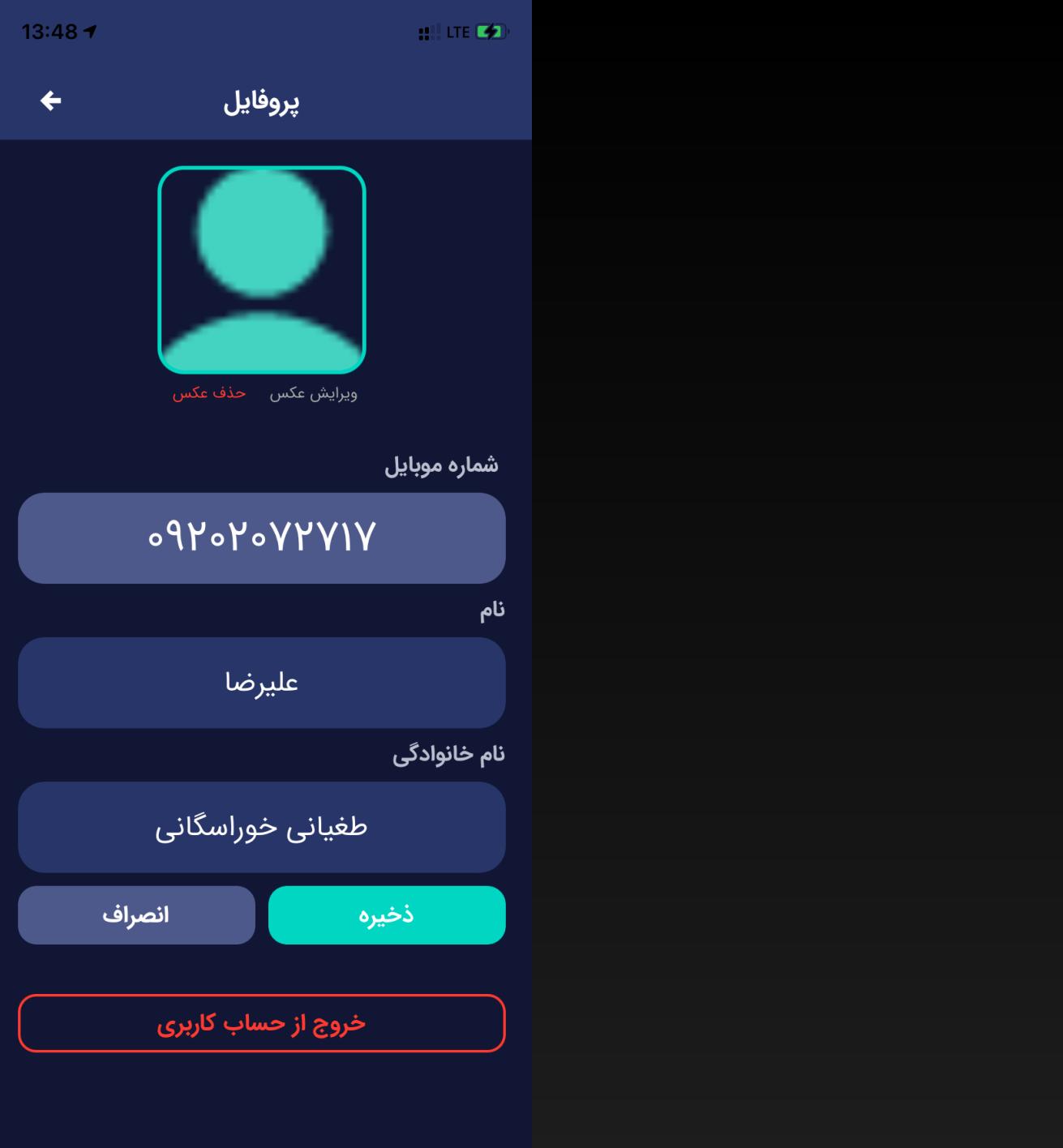
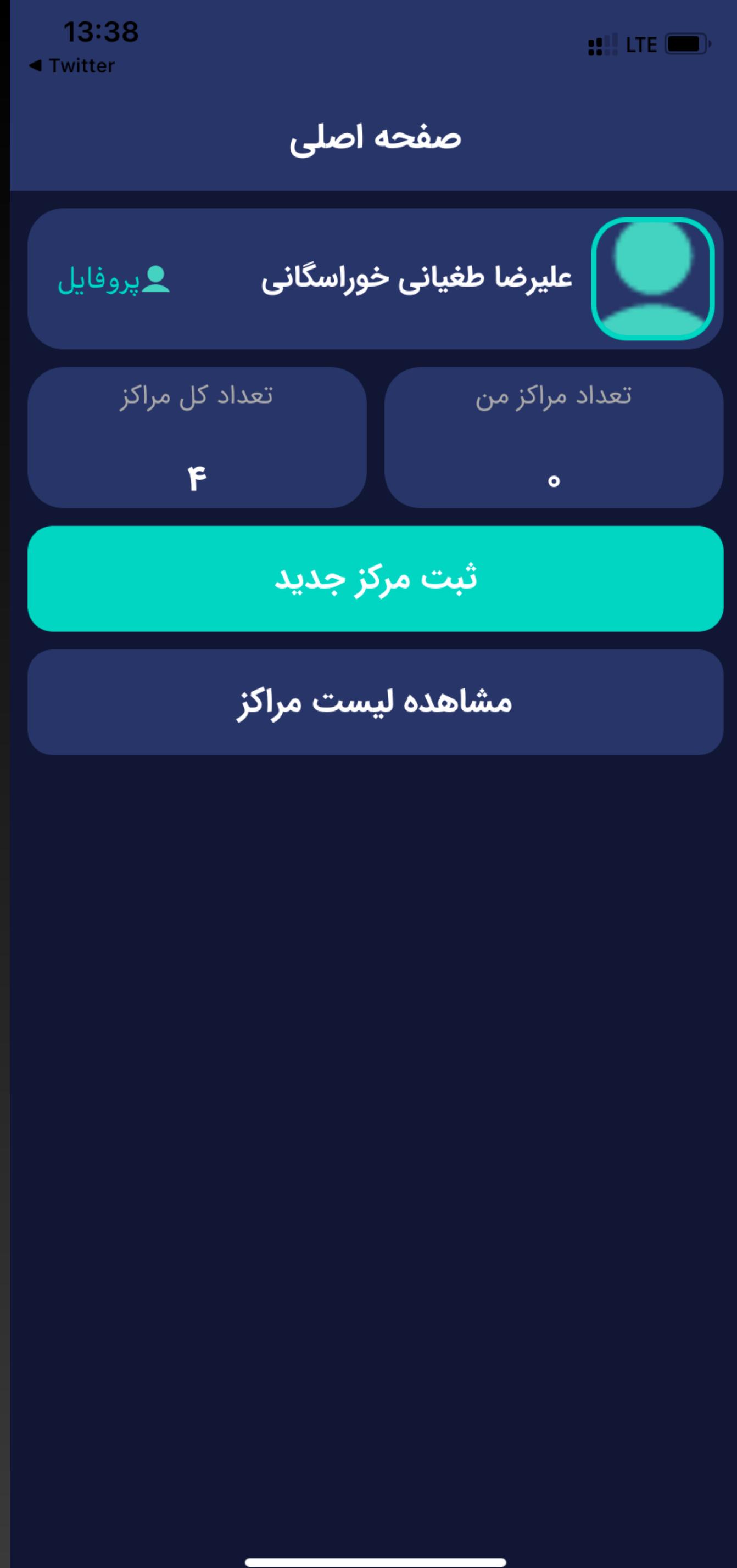


# UI Development

- Used StoryBoard for creating UIs based on Design
- Used xib file for Map Annotation callouts



# Final Result



13:47

LTE



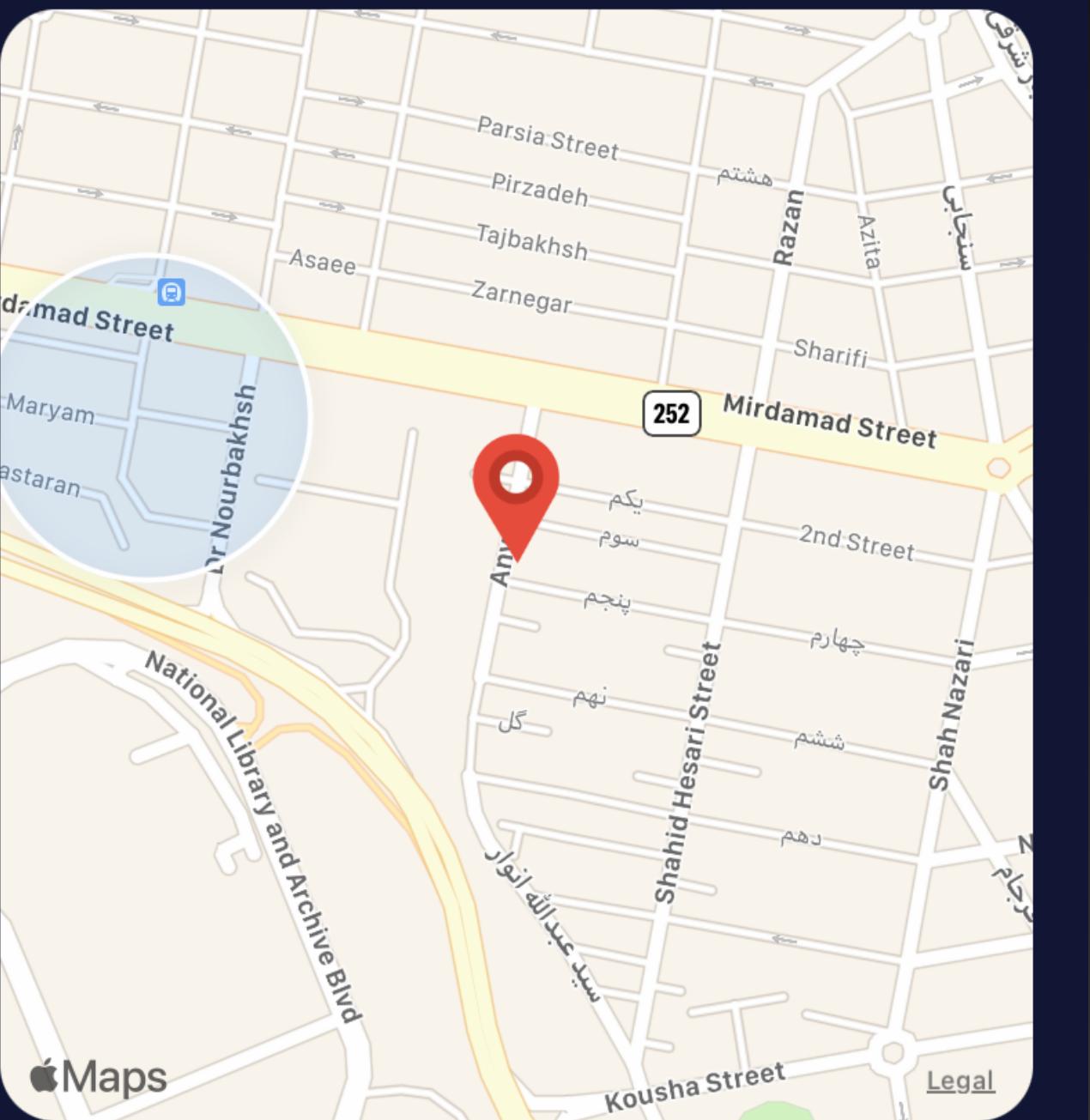
## ثبت مرکز



آدرس مرکز

آدرس

تهران - سید عبدالله انوار



مرحله قبلی

ادامه

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LTE

Twitter

فرمت کد ملی واردشده اشتباه است



مشخصات مدیر مرکز

نام

علیرضا

نام خانوادگی

طغیانی

کد ملی

۱۲

تاریخ تولد

۱۳۷۸-۰۵-۰۷

مرحله قبلی

ادامه

13:49

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## مركز



### مركز جدید

رستوران

نوع :

۰۲۱۱۲۳۴۵۶۷۸

تلفن ثابت :

تهران

آدرس :

F

امتیاز مرکز :

علی محمدی

نام مالک مرکز :

۱۵۷۰۴۱۸۶۶۷

کد ملی مالک مرکز :

۰۹۱۰۱۲۳۴۵۶۸

شماره تلفن مالک مرکز :

۱۹۹۸-۰۴-۰۵

تاریخ تولد مالک مرکز :

13:49

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سیستم مدیریت مراکز خدمات رسانی

لطفا کد پیامک شده را وارد نمایید

۱:۵۹

ورود

تغییر شماره موبایل



## لیست مراکز

نقشه

لیست

## رستوران محمدی

نوع : رستوران

آدرس : تهران



## مرکز جدید

نوع : رستوران

آدرس : تهران



## مرکز جدید

نوع : رستوران

آدرس : تهران



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## لیست مراکز

نقشه

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QA

If you have any questions you can ask

# The End