

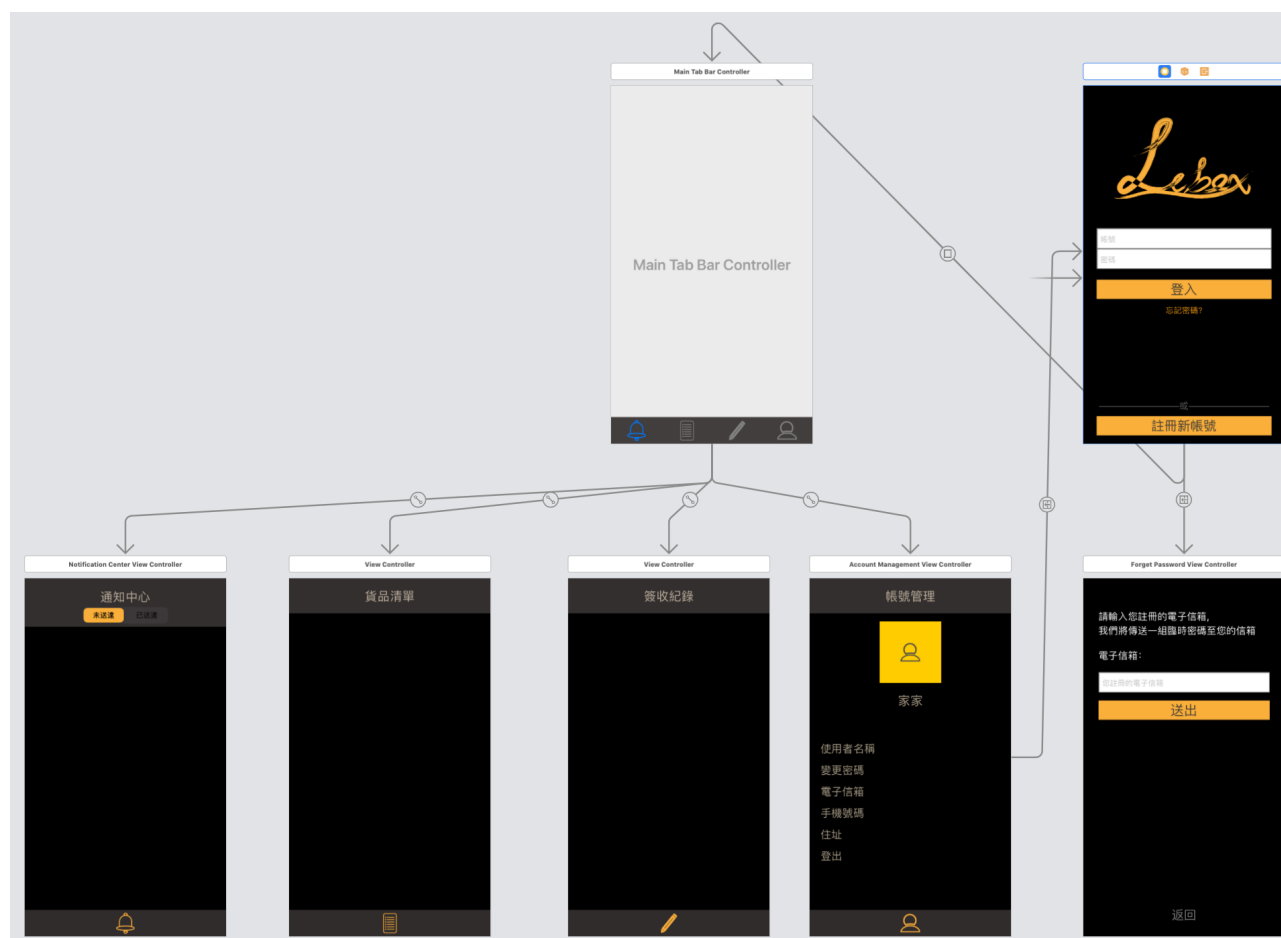
2020/01/17

- 預期進度：新版UI
- 目前進度：

UI已依照吳家賢的設計圖繪製(下為設計圖)

<https://xd.adobe.com/view/ea536959-2e1a-4782-764d-53f9300b4e86-9c62/>

整體預覽(在xcode下的畫面)



細部頁面如下(模擬器畫面)：



iPhone 8 — 13.3



iPhone 8 — 13.3



iPhone 8 — 13.3



iPhone 8 — 13.3

1. 問題1: `UITabBar`的高度修改

```
override func viewDidLoadSubviews() {
    super.viewDidLoadSubviews()

    var safeAreaBottomInset: CGFloat = 0.0

    if #available(iOS 11.0, *) {
        safeAreaBottomInset = view.safeAreaInsets.bottom
    }
    //print(safeAreaBottomInset)
    let newTabBarHeight: CGFloat = 65 + safeAreaBottomInset
    tabBar.frame.size.height = newTabBarHeight
    tabBar.frame.origin.y = view.frame.height - newTabBarHeight
}
```

- 參考資料

<https://stackoverflow.com/questions/23044218/change-uitabbar-height/29132122>

2. 問題2: `UISegmentedControl`的label顏色調整

```
segmentedControl.setTitleTextAttributes([NSAttributedString.Key.foregroundColor: UIColor.white], for: .selected)

segmentedControl.setTitleTextAttributes([NSAttributedString.Key.foregroundColor: UIColor(red: 168/255, green: 156/255, blue: 135/255, alpha: 1)], for: .normal)
```

- 參考資料

<https://www.itranslater.com/qa/details/2326259084732924928>

3. 問題3: iOS 13 的 present modally 變成卡片設計

在iOS 13 跳轉頁面的方式改變了，需將被跳轉的頁面的Presentation換成Full Screen即可變回上一版本的形式

- 參考資料

<https://medium.com/%E5%BD%BC%E5%BE%97%E6%BD%98%E7%9A%84-swift-ios-app-%E9%96%8B%E7%99%BC%E5%95%8F%E9%A1%8C%E8%A7%A3%E7%AD%94%E9%9B%86/ios-13-%E7%9A%84-present-modally-%E8%AE%8A%E6%88%90%E6%9B%B4%E6%96%B9%E4%BE%BF%E7%9A%84%E5%8D%A1%E7%89%87%E8%A8%AD%E8%A8%88-fb6b31f0e20e>

2020/01/24

- 預期進度：設定是否視訊 開啟郵箱 簽名檔傳伺服器

- 目前進度：

1. 推播通知

1. 創建CSR文件 在鑰匙串中，打開Keychain Access > Certificate Assistant > Request a Certificate From a Certificate Authority...
2. 傳至apple developer網站取得SSL證書
3. xcode > Signing & Capabilities > 加上push notifications 並勾選 Automatically manage signing
4. 在AppDelegate修改加入

```
func application(_ application: UIApplication,
didFinishLaunchingWithOptions launchOptions:
[UIApplication.LaunchOptionsKey: Any]?) -> Bool {
    // Override point for customization after application
    launch.

    // push notification

    UNUserNotificationCenter.current().requestAuthorization(options:
[.alert, .sound, .badge]) { (granted, error) in
        }
        UIApplication.shared.registerForRemoteNotifications()

        return true
    }
    // when get the remote notification token
    func application(_ application: UIApplication,
didRegisterForRemoteNotificationsWithDeviceToken deviceToken:
Data) {
        var tokenString = ""
        for byte in deviceToken {
            let hexString = String(format: "%02x", byte)
            tokenString += hexString
        }
        print("token:\(tokenString)")
    }
}
```

5. 取得token可傳至webservice供伺服器推播
6. 利用 Node.js 程式當 provider server 發送推播 進行測試

```
var apn = require('apn');

var options = {
  token: {
    key: "AuthKey_XGDY92M6SG.p8",
    keyId: "XGDY92M6SG",
    teamId: "7K297JDWP3"
  },
  production: false
};
```

```
var apnProvider = new apn.Provider(options);

var note = new apn.Notification();
let deviceToken =
"ee14270666e3bcc44639ca199ca0cdb72866b5a349991dfdbae6e7658447afe7";
note.alert = "你的包裹已送達";
note.sound = "default";
note.badge = 1;
note.topic = "edu.niu.Lebox";
apnProvider.send(note, deviceToken).then((result) => {
    // see documentation for an explanation of result
});
```

- 實際畫面



- 參考資料

<https://www.appcoda.com.tw/push-notification-ios/> <https://www.appcoda.com.tw/push-notification/>

2. 來電自動彈出接聽畫面

- 實作方法：

1. 使用voip通知手機喚醒(PushKit)
 2. 將PushKit收到的通知使用CallKit呼叫系統通話畫面
- 詳細步驟

1. 生成 CSR 文件
2. 生成 voip service 的證書
3. 勾選Background Mode > voice over ip
4. 添加 PushKit.framework 和 CallKit.framework
5. 註冊 voip

```
func registerForVoIPPushes() {
    let mainQueue = DispatchQueue.main

    voipRegistry = PKPushRegistry(queue: mainQueue)
    voipRegistry?.delegate = self
    voipRegistry?.desiredPushTypes = [.voIP]
}
```

6. 接收voip token

```
func pushRegistry(_ registry: PKPushRegistry, didUpdate
pushCredentials: PKPushCredentials, for type: PKPushType) {
    var tokenString = ""
    for byte in pushCredentials.token {
        let hexString = String(format: "%02x", byte)
        tokenString += hexString
    }
    print("voip token:\(tokenString)")
}
```

7. 串 CallKit

```
func pushRegistry(_ registry: PKPushRegistry,
didReceiveIncomingPushWith payload: PKPushPayload, for type:
PKPushType, completion: @escaping () -> Void) {

    let backgroundTaskIdentifier =
UIApplication.shared.beginBackgroundTask(expirationHandler:
nil)

    if let handle = payload.dictionaryPayload["handle"] as?
String{
        AppDelegate.shared.displayIncomingCall(
            uuid: UUID(),
```

```
        handle: handle,
        hasVideo: true
    ) { _ in

    UIApplication.shared.endBackgroundTask(backgroundTaskIdentifier)
    }
}

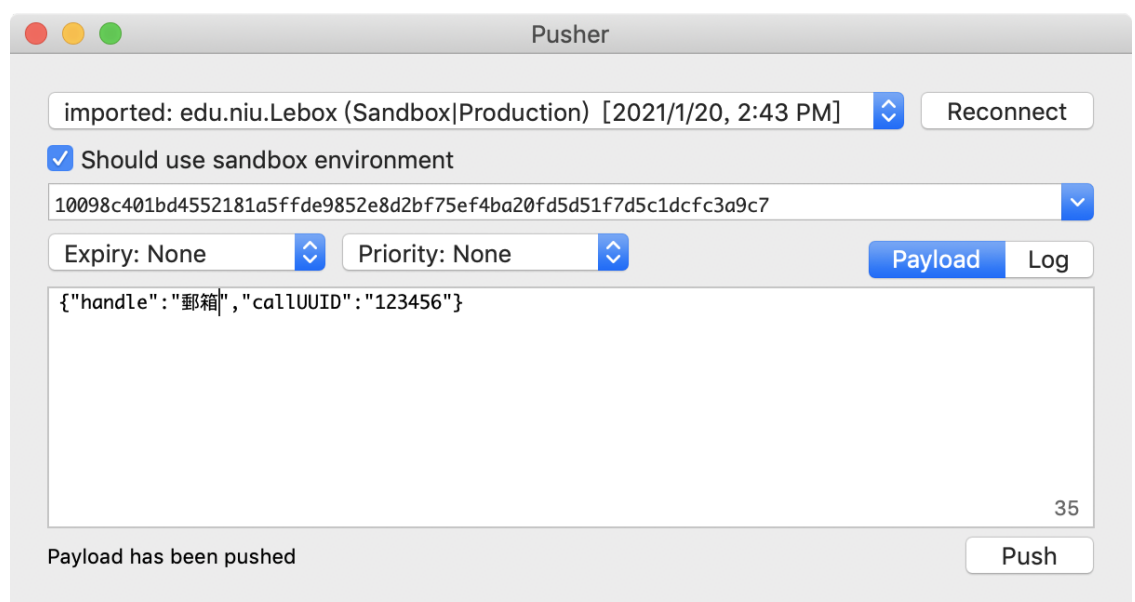
func displayIncomingCall(uuid: UUID, handle: String, hasVideo: Bool = false, completion: ((Error?) -> Void)?) {
    providerDelegate.reportIncomingCall(
        uuid: uuid,
        handle: handle,
        hasVideo: hasVideo,
        completion: completion)
}
```

詳細參考<https://juejin.im/entry/5cb877626fb9a0687a171ced>

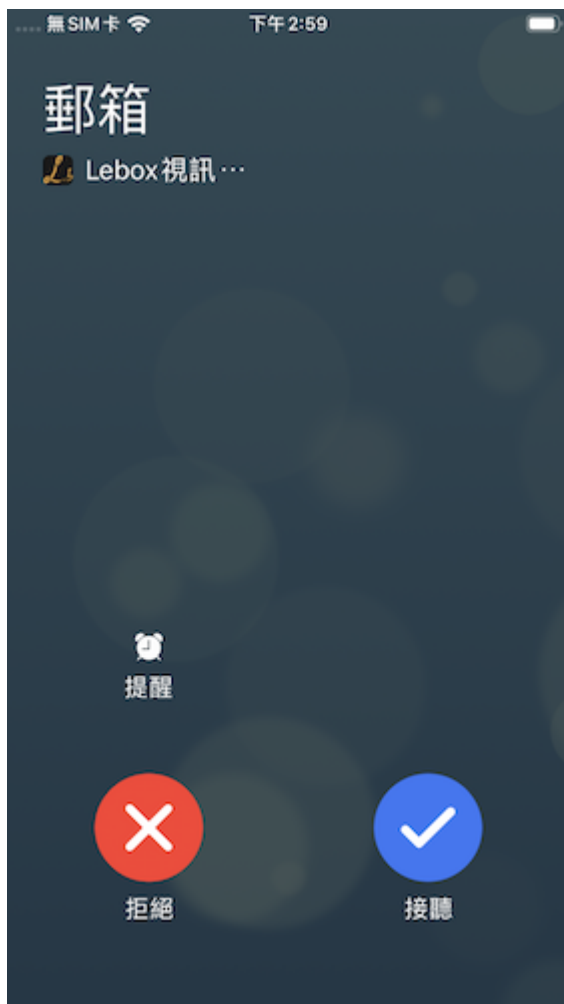
8. 測試:使用pusher

<https://github.com/noodlewerk/NWPusher/releases>

模擬伺服器發送請求



手機接收到voip通知後的動作



- 參考資料

<https://medium.com/ios-expert-series-or-interview-series/voip-push-notifications-using-ios-pushkit-5bc4a8f4d587>

<https://stackoverflow.com/questions/43638814/ios-voip-push-notifications-pushkit>

<https://juejin.im/entry/5cb877626fb9a0687a171ced>

<https://stackoverflow.com/questions/58115125/ios-13-not-getting-voip-push-notifications-in-background>

https://developer.apple.com/documentation/pushkit/responding_to_voip_notifications_from_pushkit

- UISwitch顏色調整

```
switchButton.onTintColor = UIColor.blue
switchButton.tintColor = UIColor.red
switchButton.thumbTintColor = UIColor.white
switchButton.backgroundColor = UIColor.red
switchButton.layer.cornerRadius = 16
```

- 參考資料：

<https://iosrevisited.blogspot.com/2019/06/swift-uiswitch-color-in-on-off-change-height.html>