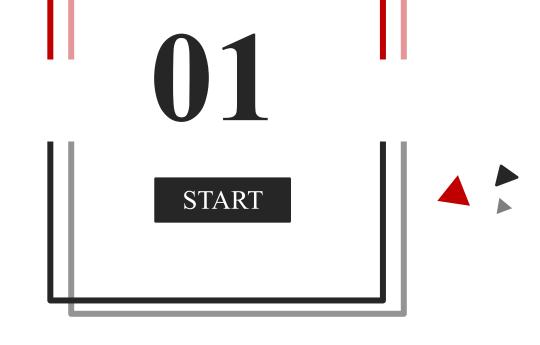


1 動機與參照

2 UI簡要描述

3 使用iOS的部分和技術

4 App Demo時間



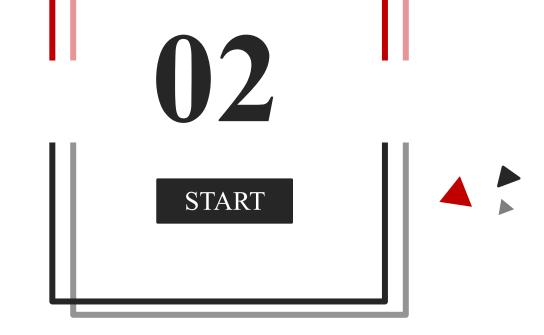
動機與參考

1 動機與參考

- ◆ App Name: 公車即時動態查詢APP
- ◆ Motivation: 不管是上班族通勤或是學生上學,公車都是很多人會選擇的大眾交通工具。於是我們想要設計一款公車即時動態查詢的APP,讓使用者無論在哪都可以即時查詢公車動態、附近站牌、到站時刻、等資訊!(目前是以台北市區為主)
- ◆ Reference: Bus+、台北等公車、等APP







主頁面包括:首頁、地圖、個人、設定等的TabView









▶ 點選"搜尋公車路線"按鈕 ▶ 輸入公車路線 ▶ 即可查看該公車路線



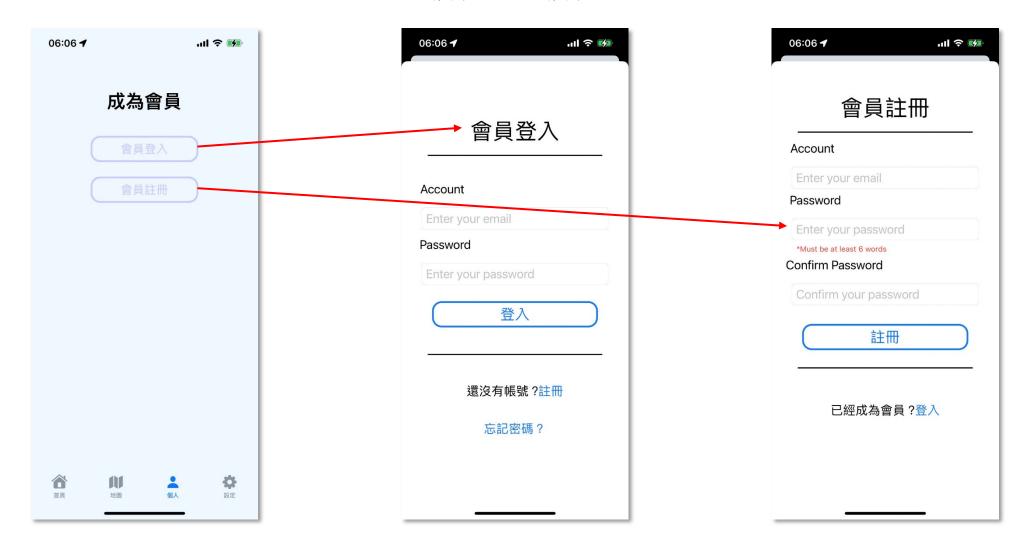
▶ 可查看定位附近的公車站牌



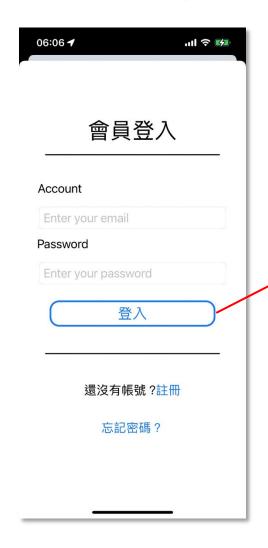
▶ 關於開發此App的資 訊

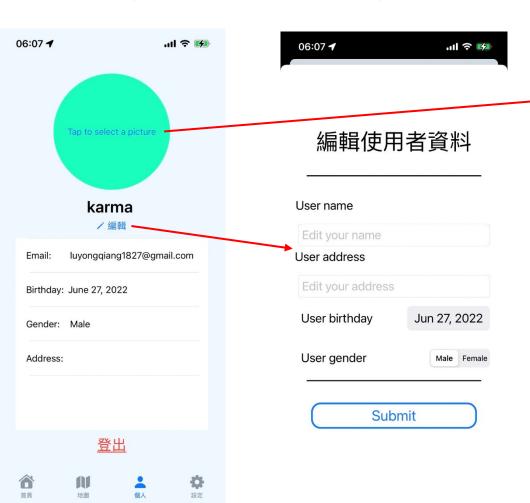


▶ 點選"會員登入"/"會員註冊"按鈕 ▶ 會員登入 /會員註冊

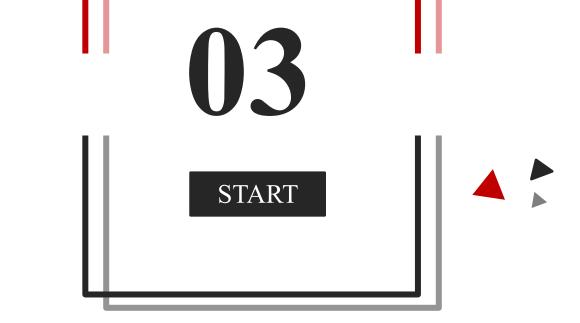


▶ 點選"搜尋公車路線"按鈕 ▶ 輸入公車路線 ▶ 即可查看該公車路線









▶ 串接到中央氣象局開放資料平臺的天氣預報API、抓取和呈現資料





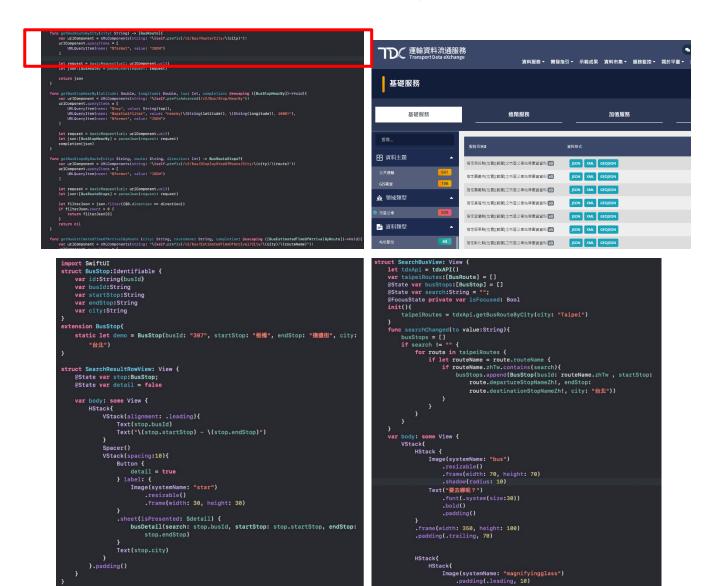






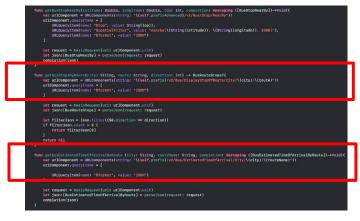


▶ 串接到運輸資料流通服務平臺的公車API、抓取資料和呈現搜尋功能

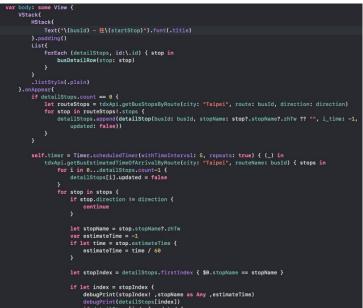




▶ 串接到運輸資料流通服務平臺的公車API、抓取資料和呈現公車到站時間





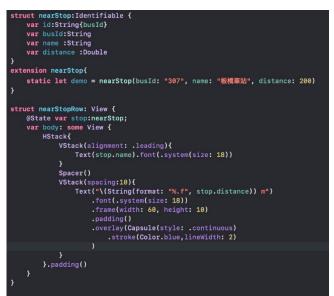






▶ 串接到運輸資料流通服務平臺的公車API、抓取資料、在首頁和地圖上呈現附近站牌

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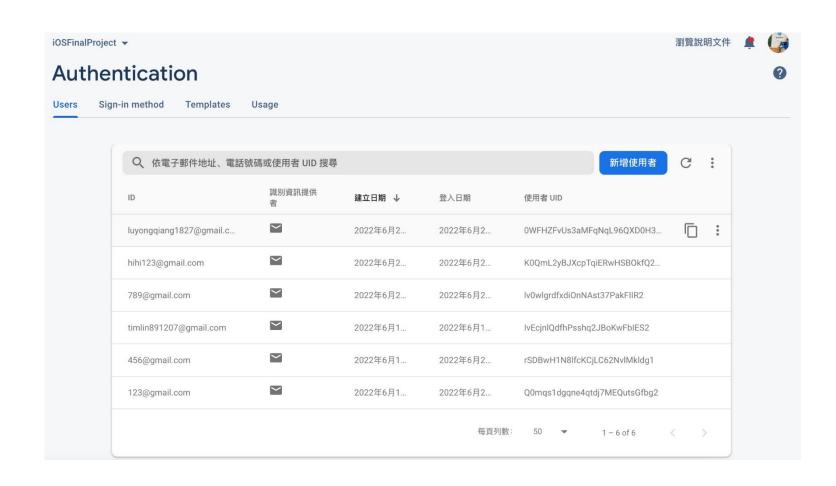
▶ 使用ImagePicker來選擇手機相簿裡的照片和上傳

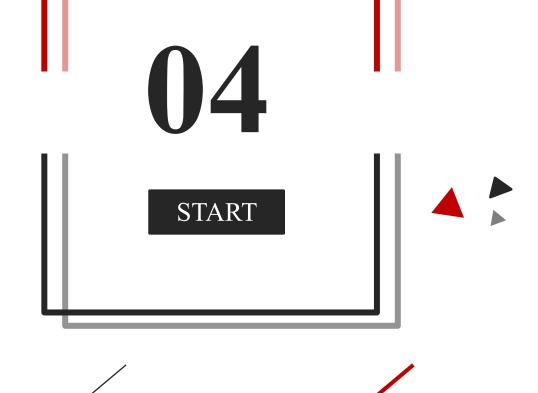
```
struct ImagePicker: UIViewControllerRepresentable {
   @Binding var image: UIImage?
   class Coordinator: NSObject, PHPickerViewControllerDelegate {
       var parent: ImagePicker
       init(_ parent: ImagePicker) {
           self.parent = parent
       func picker(_ picker: PHPickerViewController, didFinishPicking results: [PHPickerResult]) {
           picker.dismiss(animated: true)
           guard let provider = results.first?.itemProvider else { return }
           if provider.canLoadObject(ofClass: UIImage.self) {
               provider.loadObject(ofClass: UIImage.self) { image, in
                   self.parent.image = image as? UIImage
   func makeUIViewController(context: Context) -> PHPickerViewController {
       var config = PHPickerConfiguration()
       config.filter = .images
       let picker = PHPickerViewController(configuration: config)
       picker.delegate = context.coordinator
       return picker
   func updateUIViewController(_ uiViewController: PHPickerViewController, context: Context) {
   func makeCoordinator() -> Coordinator {
       Coordinator(self)
```





▶ 使用firebase來存取使用者資料:帳號、密碼、等等





App Demo時間

