

SIG-iOS Dev

When: Every Thursday @ 3 - 4 PM

Where: #SIG-iOS-Dev voice channel on Discord

Before the first meeting, please..

- Download:
 - [Xcode](#) (You need a MacBook–If you don't have one, there is still a way to use Xcode, but it's a pain in the butt and I don't know how to set it up)
 - [SF Symbols](#)

Introduction to SwiftUI (and our project)

1. Swift vs. SwiftUI?
 - a. Swift is a programming language and SwiftUI is a framework to build user interfaces. We are using both.
2. We are building a “*Travel Bucket List App*”!
 - (Using [this tutorial](#) for the foundation—but we're adding our own unique twist)
 - This app will feature the following:
 - *Home screen*
 - *Bucket list Page*
 - *Add destination & destination details page*
 - *Map view*

Lesson Plan

* subject to change *

Week	Tasks	Learn about:
1 JAN 30	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Files set up <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Views (Tab, Home, Categories, New Recipes, Favorites, Settings) <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Main <input checked="" type="checkbox"/> View Models <input checked="" type="checkbox"/> Models <input checked="" type="checkbox"/> Destination model <input checked="" type="checkbox"/> Destination cards 	<ul style="list-style-type: none"> • Views • Navigation • Tab • Label • MVVM • Data model • Extensions • Static • Embedding data • Components • Async image
2 FEB 1	<ul style="list-style-type: none"> <input type="checkbox"/> Destinations list <input type="checkbox"/> Destinations view <input type="checkbox"/> 	<ul style="list-style-type: none"> • LazyGrid • ForEach • ScrollView • Detail • CasIterable • Identifiable
3 FEB 13	<ul style="list-style-type: none"> <input type="checkbox"/> Destination categories <input type="checkbox"/> Add destinations form <input type="checkbox"/> ToolBar Editor <input type="checkbox"/> Input validation <input type="checkbox"/> Present form 	<ul style="list-style-type: none"> • Forms • Sections • Binding <string> • Text editor
4 FEB 20	<ul style="list-style-type: none"> <input type="checkbox"/> Observable object <input type="checkbox"/> State object <input type="checkbox"/> Environment object <input type="checkbox"/> Save destination <input type="checkbox"/> Date formatter 	<ul style="list-style-type: none"> • MVVM
5 FEB 27	<ul style="list-style-type: none"> <input type="checkbox"/> Map 	
6 MARCH 5	<ul style="list-style-type: none"> <input type="checkbox"/> ??? 	
7 MARCH 12	<ul style="list-style-type: none"> <input type="checkbox"/> ??? 	
8 MARCH	<ul style="list-style-type: none"> <input type="checkbox"/> ??? 	

26		
9 APRIL 2	<input type="checkbox"/> ???	
10 APRIL 9	<input type="checkbox"/> ???	
11 APRIL 16	<input type="checkbox"/> ???	
12 APRIL 23	<input type="checkbox"/> ???	
13 APRIL 30	<input type="checkbox"/> ???	

MEETING NOTES

- [Meeting One](#)
- [Meeting Two](#)

Travel Bucket List App

PAGES

- 1. Home Screen:**
 - a. Welcome message and app logo.
 - b. Quick access buttons to add a new destination or view the existing bucket list.
- 2. Bucket List Page:**
 - a. List of all saved travel destinations.
 - b. Each item displays the destination name and a thumbnail image.
 - c. Clicking on an item takes the user to the Destination Details Page.
- 3. Add Destination Page:**
 - a. Form to add a new travel destination.
 - b. Fields for destination name, description, date added, and an option to upload a photo.
 - c. Save button to add the destination to the Bucket List.
- 4. Destination Details Page:**
 - a. Detailed view of a specific travel destination.
 - b. Displays destination name, description, date added, and the uploaded photo.
 - c. Option to edit or delete the destination.
 - d. Back button to return to the Bucket List.
- 5. Map View:**
 - a. An optional page displaying a map with pins for each saved destination.
 - b. Users can see at a glance where their dream destinations are located.
- 6. Settings Page:**
 - a. Basic settings for the app, such as notifications and theme preferences.
 - b. Option to customize the app based on user preferences.
- 7. **Search Page:**
 - a. Allows users to search for a specific destination within their bucket list.
 - b. Quick access to find and view details about a particular travel goal.
- 8. **Achievements Page:**
 - a. Gamify the app by including achievements or milestones for visiting certain types of destinations or completing a certain number of trips.
 - b. Provides a fun way for users to track their travel accomplishments.