

Assignment

Write a small iOS app that onboards a user if she isn't "signed in" using this tech stack: * UI framework: SwiftUI * Architecture: TCA * Navigation: Composable Navigation in TCA

You MUST use the tech stack described above

N.B. you must use the preview branch `preprelease/1.0` version of TCA which has the new navigation tools.

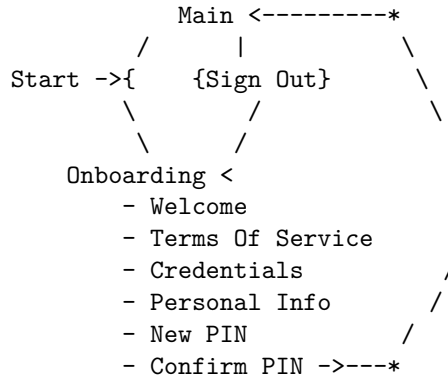
Read more about Composable Navigation in TCA [here](#)

The app consists of (at least) seven screens, all super simple with absolutely zero requirement of any UI what so ever.

This assignment is meant to test you skills at handling navigation and architecture. Beautiful Swift code and a good architecture with well-handled navigation is more important than the UI in this assignment.

You are free to use whatever architecture you like and you are free to use as many dependencies as you like.

Flow chart



Feature Requirements

Apart from tech requirements described above, these are the feature requirements:

- Upon app start app need to check if user is "signed in", if she is the **Main** screen is showed with the users first name and last name. Otherwise user should go through the onboarding flow.
- User **must** be able to go back to previous screens in onboarding, i.e. from Personal Info, go back to Credentials and change the email.

Recommendations

- Skip wasting time on UI, that is irrelevant. We will evaluate your solution from an architecture and navigation perspective
- Skip wasting time on input validation (`foo` can be considered a valid email).
- Save time by using any third party lib that can help you

Welcome screen

Simplest possible first screen welcoming user, with ability to proceed to next screen

Terms of Service screen

Simplest possible text showing some dummy terms of service (can be Lorem Ipsum) with a checkbox user has to check in order to proceed with next screen, i.e. proceed button should be disabled until user has checked box.

Credentials screen

Email and password, which are required to be non-empty in order to proceed to next screen

Personal Info screen

First name, last name and telephone number, all must be non-empty in order to proceed to next screen

New PIN screen

User choses a new PIN code, must be non-empty in order to proceed to next screen

Confirm PIN screen

Confirmed PIN must match PIN input on last screen before user can proceed to Main

Main screen

Should greet the user with her name. If app is force quit, user should remain “signed in” and see her name. User should be able to “sign out”, which should trigger the onboarding flow again.

Bonus

Only if you have the time - but who does - and if you find it fun, you can get some bonus points by: * Animated transitions between screens * Tests of the code * macOS support (cross-platform app) * Storing PIN and prompting user to unlock app upon restart * Validation of email * Validation of telephone * Viewing of telephone, email and name when login * Have better UI than most ugly possible

Next Steps (after submission)

- After successful review: you'll be ready for our next interview stage!