




Let's build a GPT-powered iOS app!

A hands on session

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Goal: Let's make a very simple chat app together!

1. Build a simple SwiftUI iOS app
2. Set up an OpenAI Key
3. Connect the app with the API Key

- *WARNING: Let's see how building live goes...*



Environment Setup

1. Apple Developer account setup
 - <https://developer.apple.com/ios/>
2. Recent versions of macOS, XCode, iOS Simulator
 - <https://www.xcodes.app/>
3. Open AI SDK Key
 - <https://platform.openai.com/api-keys>



Basic App

1. Idea: TextView on Top, button on middle, Text on bottom for AI result
2. Type on the text
3. When Button is pressed,
4. First: Result text on bottom shows
5. Later: Bottom shows AI output



Connect openAI

- Get the OpenAI API Key
 - Requires a “Pro” paid account
 - Warning: Keep the API key secret! This is only for demos. A proper implementation should move the API Key & API calls to the server.
 - (ask Charley for a temporary key)
- Community Library: <https://github.com/MacPaw/OpenAI>
 - dependencies: [.package(url: "https://github.com/MacPaw/OpenAI.git", branch: "main")]
 - let openAI = OpenAI(apiToken: "YOUR_TOKEN_HERE")
 - Note: use the Chat API, not the deprecated completion API



✨ Polish!

UI: Make it more pretty

- Add a “loading” state
- Disable the button to prevent double presses
- Enter on submit
- Scroll view?

AI: Make it more useful

- Can we stream?
- Can we make the prompt more specific?
- Can we come up with a personality for the prompt?



Support

Email Charley for questions/tips! charley@multi.app

<https://github.com/potatoarecool/iOS-AI-prototype>