




**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](mailto:charley@multi.app)