**Final Project**

**Project Idea:** Due Monday, 5/25 @ 12:30pm

**Project Demo Mid:** Due Friday, 5/29 @ 8:40am

**Project Demo Final:** Due Friday, 6/5 @ 8:40am

Congratulations, you’ve made it to the last project for the course! By now, you should have the skills to build a relatively complex iOS app from end-to-end. The final project will require you to combine all of the skills that you’ve learned throughout the course.

# **Deadlines**

## **1. Project Idea (Due Monday, 5/25 at 12:30pm)**

Write a short description of what your group plans to do for your final project. In this description, be sure to specify what components of the app will satisfy each requirement for the option you choose. Make sure that you include enough details so that I can provide you with good feedback and advice on things to consider when building your project. You will receive either an approval or feedback on how to revise your project by Monday at midnight.

## **2. Project Demo Mid (Due Friday, 5/29 at 8:40am)**

Your group will be required to give a class a brief demo of the app. Your app should include at least the main functionality.

## **3. Project Demo Final (Due Friday, 6/5 at 8:40am)**

The final project (final demo & code submission) will be **due on Friday, 6/5**. You will turn in the project just like all your other assignments. In addition to the Xcode project, please include a **README.md file** that gives a brief description of your app and how your app satisfies all the requirements.

# **Project Requirements**

Your group is going to build any application you want! This is a great opportunity to use your creativity to build an awesome app that you may have imagined creating.

The application will, at minimum, need to have the following requirements:

### **Requirement 1: Multiscreen Application**

Over the course, you’ve learned how to transition between different screens on an app using navigation controllers and modal views. For this project, your app must have at least two screens (preferably more!). Note that if you decide to use a tab controller for your app, you can count each tab as a separate screen. In general, you may think of each view controller you create as a different screen.

### **Requirement 2: API Integration**

You should not hardcode any data in your final submission. Instead, you must integrate at least one API of your choice (i.e. Reddit, Spotify, NYT etc.), and this API integration should be an important aspect of your app. In other words, you shouldn’t be incorporating an API just to fulfill this requirement. The API should add significant value to your app in some way. For instance, if you want to create a music app, using the Spotify API to display song information and play songs would be sufficient.

### **Requirement 3: TableView Usage**

You must incorporate at least one UITableView somewhere in your app.

# **Final Comments**

I expect you to follow good code and iOS standards like the MVC pattern. Any additional functionality you decide to include in your app beyond the requirements is eligible for bonus points!

I know that it’s a busy/crazy time of the year for everyone, I sincerely hope that you’ll take the time to create a quality iOS app. I’m here to help, and if there are any questions that you have, feel free to reach out to me directly on Slack or sign up for 1-on-1 office hours (we can just arrange a schedule anytime between 8:30am and 12:30pm), which I will continue to hold until the project due date. Good luck and have fun! 👍