

iOS Code Challenge

SprintFWD



PROJECT OVERVIEW



The goal of the assignment is to build a simple app that finds fitness studios nearby in 1 popular category: Fitness. The app is using the user's location and searches Yelp API to display them in two different views: on the map and in the list. When user selects a place, the app will display driving directions in another screen using Apple's MapKit APIs.

In assignment files, you will find a video of completed app for your reference and a starter Xcode project with all necessary resources included.



PROJECT GUIDELINES

- You can use Swift language (We're not using Objective-C)
- You can use your favorite Software Architecture Pattern (MVVM preferred)
- You can use either REST or GraphQL API provided by Yelp
- You can use any 3rd party dependencies (Alamofire, Kingfisher, etc)
- You can use default UIKit components unless specified otherwise
- You are not required to handle network connection errors
- Make sure the project builds before submitting it for review

Please feel free to contact us if you have any additional questions!



YELP API

To search nearby fitness studios, you will use Yelp's Business Search API.

Documentation: [REST](#) and [GraphQL](#)

To authenticate([guide](#)), you will need an API key which is located in APIKey.swift file inside provided Xcode project. Please, do not share this key with anyone and do not abuse Yelp's [API Terms of Use](#).

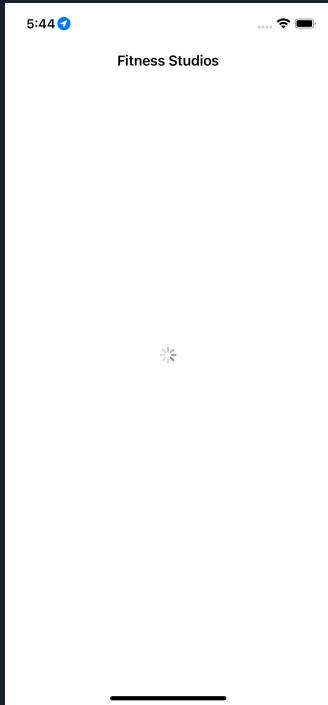
In addition to obtained from user's location latitude and longitude values, you should use the following parameters to query places:

`radius = 1000, sort_by = distance, categories = "fitness"`

Use (33.524155, -111.905792) as the default value.

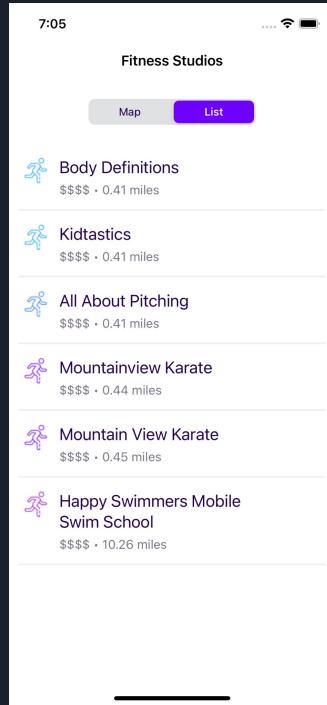
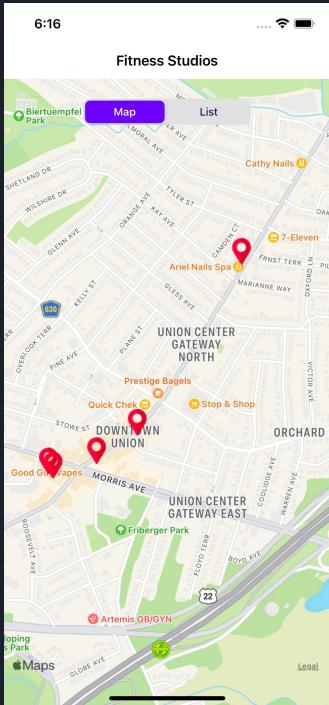


LOADING SCREEN



During location retrieval and network request, you should show a medium-style loading indicator centered in the screen.

HOME SCREEN



Once fitness studios are fetched, you should show a Home screen which consists of two subscreens: Map and List. Segment control is used to switch between view modes. Last selected mode should be persisted between app launches (map is default).

DETAILS SCREEN

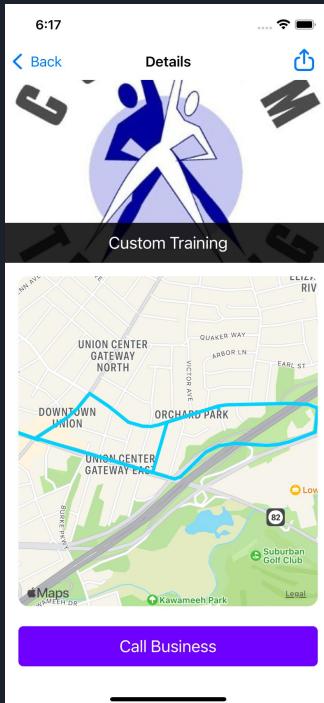


Image style:

Aspect ratio: 16:9

Map:

Map should show driving directions from user's location to place location using MapKit API ([Documentation](#))

Share button:

Should open default iOS share sheet with business's Yelp page URL



EXTRA CREDIT TASKS

- Add unit tests
- (For iOS Ninjas) Color icons in places list view based on provided gradient colors (in Colors.swift file, colors are in top to bottom order). (see included screenshot above)

Thank you!

