

iOS Sample Project

Context

You'll be building a small app to demonstrate some basic coding skills in Swift and the iOS SDK. This app is meant to represent some common challenges you will encounter in normal day-to-day development work.

Ground Rules

There are some basic ground rules to follow as you build out the app:

- Please use Swift as your core coding language
- The app should compile without any errors or warnings
- You should not have any autolayout warnings
- Please use UIKit for the search screen, and SwiftUI for the details screen.
- Please do not use any 3rd party libraries. The example requirements have been built in a way that should not require any additional libraries outside of the iOS SDK and Xcode.
- Please use the latest version of Xcode and iOS tooling.

Requirements

You will be building an app based on the [MovieDB API](#). This app will allow you to search for movies, list them, and browse to a detail view for each movie.

Details

- The API key is embedded in the project. You shouldn't need to set up a new API key or account to finish the project.
- The user should be able to search for a movie, scroll a list of results, and tap on any result to view movie details.
- Please use the attached screenshots as visual design specs on how your screens should look and which data to include from the API
- Perform any transformations on the API data as necessary to accomplish the UI presented here.
- You will need 2 API requests to complete the project:
 - <https://developer.themoviedb.org/reference/search-movie>
 - <https://developer.themoviedb.org/docs/image-basics>
- The Search screen should contain the search UI and load search results in place underneath
- A placeholder image (included in the project) should load on the detail screen until the poster image for the screen is downloaded.
- Please use storyboard to create your initial UI and lay out the screen. Add code as needed for functionality.

Screenshots

7:41Movie Search

Q Star WarsGo

Star Wars8.2 >

May 25, 1977

Star Wars: The Rise of Skywalker6.5 >

December 18, 2019

Solo: A Star Wars Story6.6 >

May 15, 2018

Star Wars: The Last Jedi6.9 >

December 13, 2017

Star Wars: The Force Awakens7.4 >

December 15, 2015

The Lego Star Wars Holiday Special7.1 >

November 17, 2020

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November 17, 2020

7:50Movie Search

Star Wars

Release Date: 5/25/77



Princess Leia is captured and held hostage by the evil Imperial forces in their effort to take over the galactic Empire. Venturesome Luke Skywalker and dashing captain Han Solo team together with the loveable robot duo R2-D2 and C-3PO to rescue the beautiful princess and restore peace and justice in the Empire.