

Omada Health

iOS interview home assignment

Note: Shareable version for the candidate is [here](#)

Goals

This test is meant to assess your technical skills on iOS and Swift language. Implement the app as if you were developing a professional application.

We are mainly looking at your ability to start out a new project/write features with a basic spec and design, write clean code with a testable architecture. Feel free to use the internet as a resource and look up anything you need while you work. As well, if there are any libraries you want to include in your project, feel free! Please see below for [submission instructions](#).

Context

The “Open Movie Database” provides a simple API for searching and fetching details about movies.

<https://developers.themoviedb.org/3/search/search-movies>

Our api key : "b11fc621b3f7f739cb79b50319915f1d"

Familiarize Yourself

Now you are all ready to start making requests to TMDB with the api key. If you want to get familiar with apis you can use the api key above to search for movies.

<https://developers.themoviedb.org/3/search/search-movies>

Example Request:

https://api.themoviedb.org/3/search/movie?api_key=b11fc621b3f7f739cb79b50319915f1d language=en-US&query=hitman&page=1&include_adult=false

Movie Poster Image:

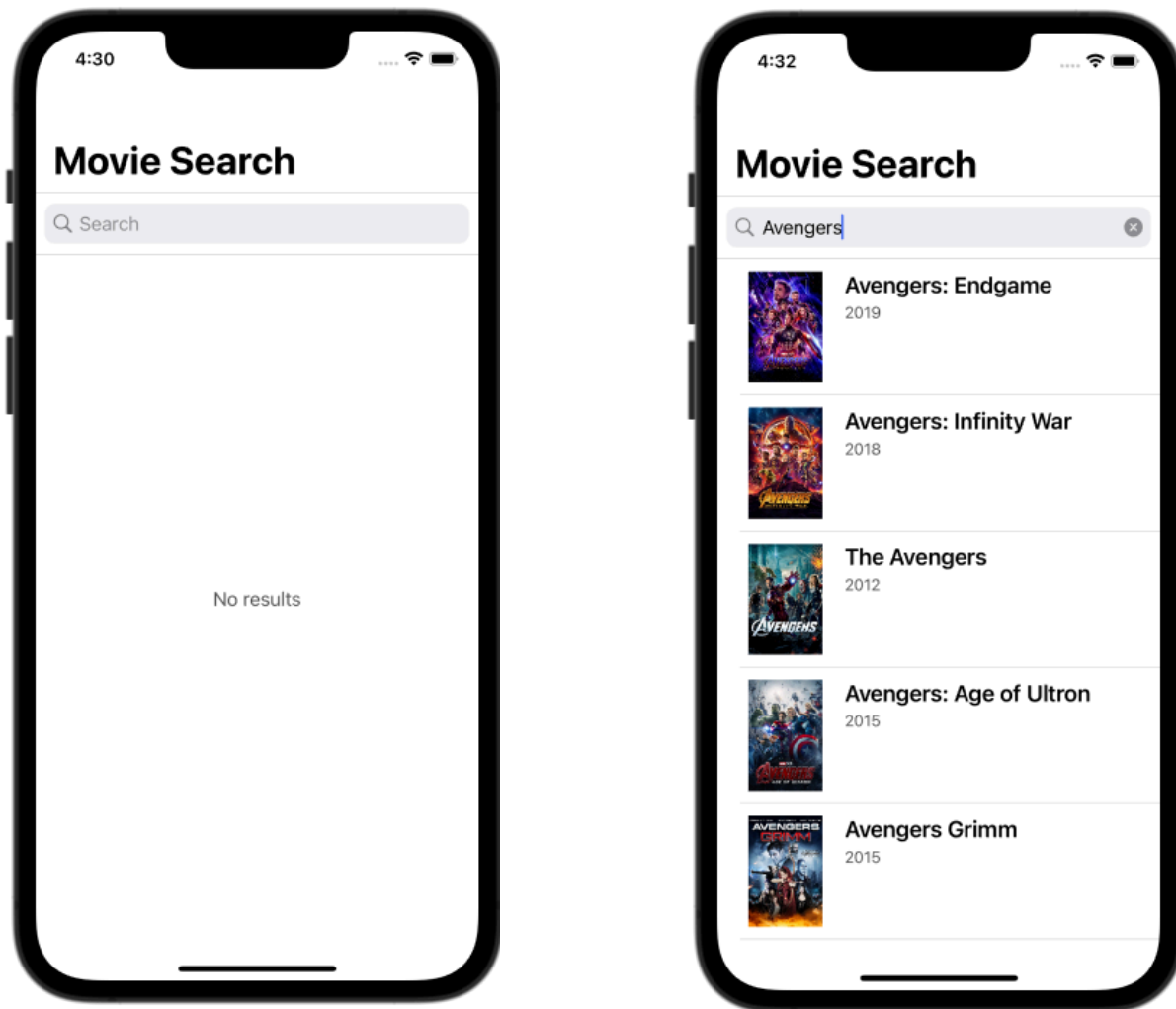
https://image.tmdb.org/t/p/original/<poster_path>

Movie App Spec

Technical requirements:

- Implemented in Swift
- SwiftUI is preferred but a combination of UIKit & SwiftUI is also acceptable.
- The app must build and launch successfully without errors.
- Please follow the design and requirements in this spec closely, no need to add any additional functionality or features

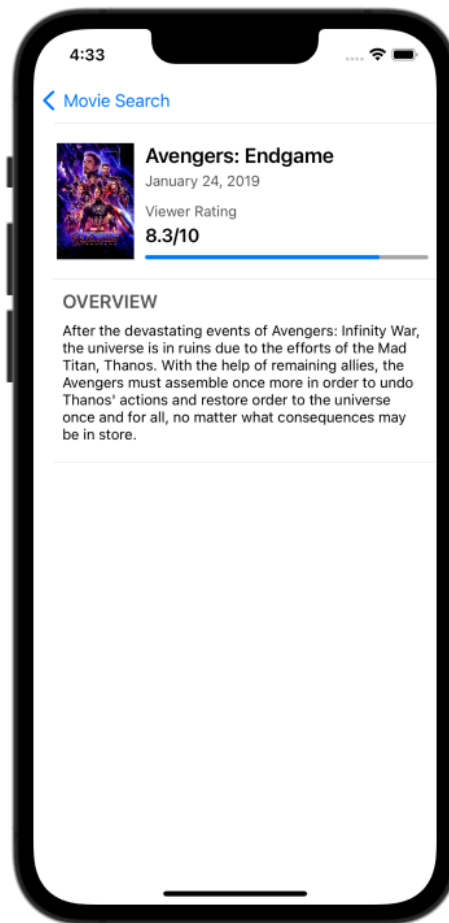
Project designs & requirements:



Main Screen:

- Search bar at the top of the screen for entering text to query movie titles
- Results should display as you type into the search bar
- If there are no results, show a “No results” label
- Result of query displayed in a scrollable list

- Each result row should display the following about the movie
 - Image of the movie cover
 - Text with the movie title
 - Text with the release year
- Tapping a row should push you to the detail screen with more details on the selected movie



Detail Screen:

- Section at top with some info about the movie selected
 - Title
 - Full Release Date
 - Cover image

- Viewer Rating(voteAverage in API) with a visual representation (feel free to be creative here if you want, but following the design provided is perfectly fine)
- Lower section
 - Overview with additional movie details

Other things to consider if you have time:

- Unit Testing (models, viewcontrollers, networking)
- Error handling
- Documentation

Submission Instructions:

1. Build and Implement the App: Develop the app as a professional application, following the provided design and technical specifications.

2. Optional AI Tool Use: You may use AI tools to aid in development. If you choose to do so, please ensure that your use of AI is ethical and enhances your productivity.

3. Project Setup:

- Create a new public GitHub repository for your project.
- Set up your local development environment as needed.
- Push all changes to the newly created repository.

4. Video Recordings:

- *Coding Session Recording:* Capture a video of your coding process that includes any AI prompts used. This will demonstrate how you integrated AI tools during development.

- *Build and Functionality Walkthrough:* Record a separate video showcasing a successful build and walkthrough of the app's functionality, highlighting both the main screen and detail screen interactions.

5. Submit Your Work:

- Send the URL link to your GitHub repository. Please ensure it is a *public* repository.

- Include both video recordings in the ReadMe file of your repository as part of your submission.

- Submit your materials to the **iOS Mobile Eng Team** and cc the recruiting team.

- Add any explanations for design decisions or special instructions in the ReadMe file.

6. **Timeline:** You have 3 days to complete and submit the assignment. If you have any questions or require assistance, please contact the **iOS Mobile Eng Team**.

7. [Important] Please ensure that you remove or privatize your project after the interview process concludes, as it is currently a public repository.