Assignment iOS Developer Candidates

You are asked to create a simple movie listing application.

- Application should have a movie list and a movie detail page.
- Movies should be fetched page by page (Use "load more" on bottom).
- Display mode switch option (List/Grid View) (optional).
- Add search bar that works for fetched movies.
- Clicking on a movie will navigate to movie detail page.
- Movie detail page should contain Movie Poster, Name, Description, Vote Count, and a star button.
- When user clicks the Star button on detail page, movie will be added to (or removed from) the favorite list. Favorite list should be stored locally on the device. A star icon should be shown for favorite movies on the movie list page.
- Write test cases that cover your code. (optional)

You can use following API services;

First you need an API key. You can use following key or create new one.
API key = fd2b04342048fa2d5f728561866ad52a

Popular Movies:
Required Parameters: API Key & Page Id

Example: https://api.themoviedb.org/3/movie/popular?language=en-US&api_key=fd2b04342048fa2d5f728561866ad52a&page=1

Movie Detail:
Required parameters: API Key, Movie Id

Example: https://api.themoviedb.org/3/movie/287947?language=en-US&api_key=fd2b04342048fa2d5f728561866ad52a

You can create image URL with image *width* (w200) and *poster_path* parameters;
https://image.tmdb.org/t/p/<width><poster_path>

Example: https://image.tmdb.org/t/p/w200/kqjL17yufvn9OVLyXYpvtyrFfak.jpg

For more detail details please visit the official API documentation:
https://developers.themoviedb.org/3

- Feel free to use any pattern you like (MVC, MVVM etc.) in Swift.
- A short Readme file to explain the project's code.
- Please don't use 3rd party libraries; we just want to see your approach.
- Send your working project with .zip file or share public repository link.

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