# Project: The Movie Database Application

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## Overview

You are about to implement an app that helps user view movies information. User can keep their favourite movies in offline mode to view even when there is no internet available.

This assignment requires you to use the API from [TheMovieDB](https://www.themoviedb.org/?language=en) website for obtain necessary information.

## Execution

Your assignment will be evaluated after 4-6 weeks. So, please arrange your work properly. We would consider all following requirements against our score rubric.

## Functionalities

You application should have following functionalities:

1. On launching the app, home screen should show a grid of movie poster. Within home screen:
   1. Allow user to choose different settings to display like: most popular movies, most rated movies, favourite movies.
   2. On tapping on poster, user will be redirected to movie detail screen.
2. Movie detail screen contains the information:
   1. original title
   2. movie poster image thumbnail
   3. A plot synopsis (called ***overview*** in the api)
   4. user rating (called ***vote\_average*** in the api)
   5. release date
3. Movie detail screen must display a list of available trailers for that movie. On tapping on trailer item, user can play the trailer in youtube app or a web-browser.
4. User can read the reviews of a selected movie.
5. You’ll help user to mark a movie as a favourite in the details view by tapping a button (star button). This action will add the movie to local movies collection and do not need to make any API request.
6. Your app must work well on both phone and tablet, with optimized experience for tablet.
7. Your local movies collection will be synced with cloud services ([Parse](https://parse.com/) is highly recommended, or [Firebase](http://firebase.com) is another option here) with user’s account. User must be able to create their account and keep their data private.
8. You app should be able to run on device with Android 4.2 or later with consistent User Experience.

## API guidelines

1. After obtaining the API key (by registering account and request for API key), we would use that key for every request of the MovieDB API. (Note: Do not push your API key into remote repos)
2. To request popular movies you will want to request data from [/discover/movie endpoint](http://docs.themoviedb.apiary.io/#reference/discover/discovermovie)
3. To fetch trailers, you will want to make request to the [/movie/{id}/videos](http://docs.themoviedb.apiary.io/#reference/movies/movieidvideos/get?console=1) endpoint.
4. To fetch reviews you will want to make a request to the /[movie/{id}/reviews](http://docs.themoviedb.apiary.io/#reference/movies/movieidreviews/get?console=1) endpoint.
5. For constructing url of images/poster, please follow this document <http://docs.themoviedb.apiary.io/#reference/configuration/configuration>

## UX Mockups

Check out the [Design folder here](https://drive.google.com/open?id=0B6YsymKg902jM0o5QnREams5S1k)