/ Job Interview Project

Position: Android Developer

/ Introduction

This document describes the design and functionality of a test project for the Android platform as a part of the job interview for the position "Android Developer". The aim of this project is to get us an overview of your programming capabilities. Wish you good luck!

Tools and environment

Android Studio :
    minSDKversion   21
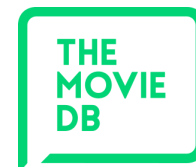   compileSDKversion   27

Java / Kotlin (recommended)

Tools and libraries we are using (it's just inspiration) **:**
    Dagger
    Glide
    Exoplayer
    Stetho
    Timber
    Retrofit
    OkHttp
    Leak Canary
    AAC

/ Instructions

Backend

In 24i we are creating OTT applications, this test project is very basic example of usual tasks what OTT application do.
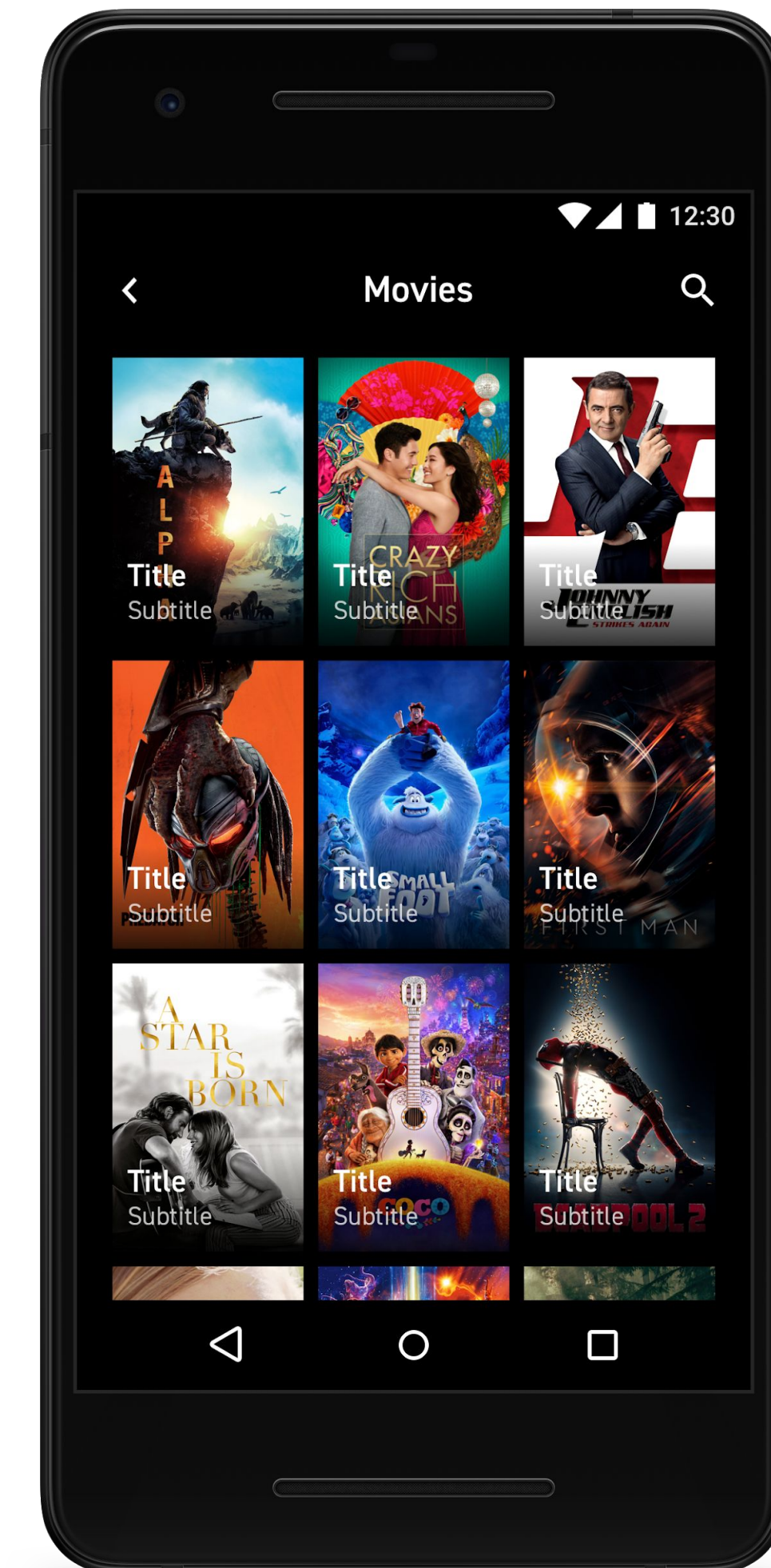For backend please use The Movie Database API.

THE MOVIE DB

The Movie Database (TMDb) is a community built movie and TV database. Every piece of data has been added by our amazing community dating back to 2008. TMDb's strong international focus and breadth of data is largely unmatched and something we're incredibly proud of. Put simply, we live and breathe community and that's precisely what makes us different.

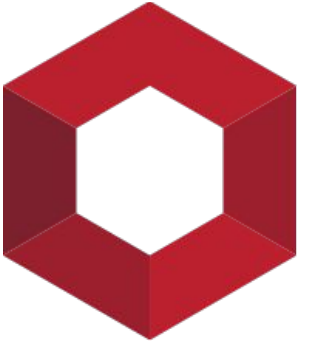**Getting started with The Movie Database**
https://developers.themoviedb.org/3/getting-started

Get the API key
https://www.themoviedb.org/account/signup

/ **Instructions**

- Please create simple application, which would display ALL movies from
  - https://developers.themoviedb.org/3/changes
  - You need to sign in to obtain a free API key.
  - Don't show adult movies
  - On phone display vertical list of covers in portrait mode
  - On tablet display horizontal list of covers in landscape mode
  - User can scroll through the list
  - The page, where the list is, should contain an input field „in last … days" – API request allows to specify the range of returned dates
  - Treat failure + resending of API requests

- Each item in list should display https://developers.themoviedb.org/3/movies/get-movie- details
  - Cover with title (display text over the image, align in to image's bottom)
  - Title - max 2 lines and ellipses at the end

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- When the item in list is touched, show information from https://developers.themoviedb.org/3/movies/get-movie-details
  - Title, language, genre, overview, release date and cover are mandatory fields, other fields are optional
  - On phone put image on top (fit to screen width), put textual information below it
  - On tablet put image to the left (fit to screen height), put textual information to the right from the image
  - Treat back/up navigation

BONUS

You can also implement any additional feature, which you think can be useful in such applications. This task is for bonus points and is not mandatory. Examples : Trailer playback, search functionality, unit test

/ Results

Generally is **NOT** necessary to make the whole application.

If you want, just send us what you were able to do in one day.

The results of your work should be a buildable Android app. Your source code will be evaluated with a possibility of personal discussion with the Android development team.

Wish you good luck!