

Functions

Search Movie

Query Length between 1-100 character, character over 100 will be cut off
Expect response time for 20 result = 200ms in normal network environment
Seamless loading between pages during scroll

Movie Detail

Expect response time = 20ms in normal network environment

Add / Remove Favorite Movie

Currently no limit on numbers

Network Requirement

Favorite list is available in an offline environment. Search and detail require a network connection. It will just have no effect in an offline environment instead of popup an error.

User Preference

Search Options

Include Adult Content
(Yes / No)

Effect on Next Search

Prefer Language
(options on values/language.xml)

Current query auto restart with new language
Clear Detail cache
Not effect on Favorite and current Detail Page

Maximum Results to show
(options on values/max_result.xml)
(100 200 300 400 500, Default 200)

Effect on Current Search

SDK Target Version

compileSdkVersion 30
targetSdkVersion 30

Meet Google Play's target API level requirement:

New apps and app updates must target Android 10 (API level 29) or higher; except for Wear OS apps, which must target API level 28.

Starting in August 2021, new apps will need to: Target API level 30 (Android 11) or above and adjust for behavioral changes; except Wear OS apps, which must continue to target API level 28.

3rd Party Library

Retrofit 2.9

Type-safe HTTP client for API

<https://github.com/square/retrofit>

Licensed under the Apache License, Version 2.0

Fresco 2.4

Network Image loading and display

<https://github.com/facebook/fresco>

MIT License

Like Button 0.2

Button with animation effects similar to Twitter's heart

<https://github.com/jd-alexander/LikeButton>

Licensed under the Apache License, Version 2.0

Gson 2.8.6

<https://github.com/google/gson>

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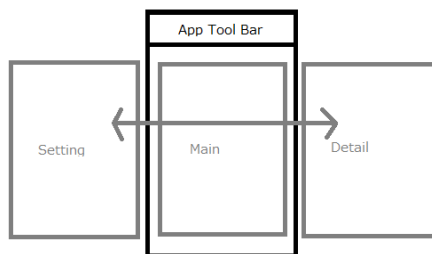
UI Design

Objective

Base on Android developers design guide
Light weight
Independent on device screen resolution
Most operation can complete by one hand
No pop-up Dialog (Except confirm on exit)

Component

App Toolbar	Search, Favorite, Setting
Main Fragment	Display search result or favorite
Detail Fragment	Display movie detail
Setting Fragment	User preference setting



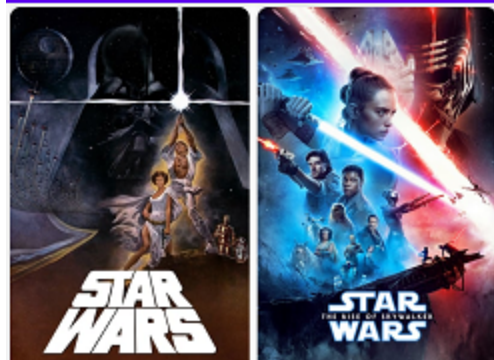
Implementation

Transition between fragment

Implemented by the new **androidx viewPager2**
Which provide a very smooth swipe animation

Search result / favorite list

Implemented by **androidx recyleView**
Which is lightweight and very high performance
With the help of the new **FlexboxLayoutManager**
Item is place as a grid fit on every screen / orientation



Star Wars

1977-05-25 ★8.2



Star Wars: The Rise of Skywalker

2019-12-18 ★6.5



Star Wars: The



Solo: A Star Wars



Robot Chicken: Star Wars

2007-07-17 ★7.2



Star Wars: The Legacy Revealed

2007-05-28 ★7.1



Star Wars



Robot Chicken III



Star Wars



Star Wars: The




Star Wars: The



Solo: A Star Wars

5:44

star wars



Star Wars

A long time ago in a galaxy far, far away...

Released 1977-05-25

Adventure Action Science Fiction

English

★ 8.20 (15319)

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.

Lucasfilm Ltd.
20th Century Fox

5:45

star wars



スター・ウォーズ／スカイウォーカーの夜明け

Released 2019-12-18

アクション アドベンチャー サイエンスフィクション

English

★ 6.50 (6510)

かつて銀河に君臨していた祖父ダース・ベイダーに傾倒し、その遺志を受け継ぐべく、銀河の圧倒的支配者へと上り詰めた、スカイウォーカー家の一人でもあるカイロ・レン。そして、伝説のジェダイ、ルーク・スカイウォーカーの想いを引き継ぎ、類まれなフォースを覚醒させたレイ。新たなサーガを担う若者二人の運命が、

5:47

TMDB

Search Setting

Include Adult Content ☒

Prefer Language

About

Send feedback
Report technical issues or suggest new features