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MyPopcorn

Description

This app is a TV show's and movies home, where the user can find millions and millions movies and TV shows, and make the TV shows as favorite and track them and get notified whenever there is a new episode and when is aired. The users can also find new tv shows and movies similar to their search and see the cast of the movie or Tv show and videos and photos of it.
The app Solves the problem of users who don’t know when the next episode of their TV show or Movie will air and the people who struggle to find new TV Shows and Movies.

Intended User

Who is your intended user? (For example, is this an app for dog owners? Families? Students? Travelers?)
All TV shows and Movies lovers.

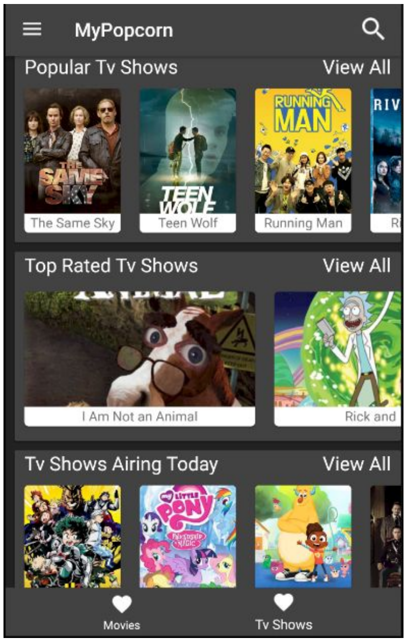
I am using Android Studio 3.1.3

Features

- App includes content descriptions
- App is written solely in the Java Programming Language
- App can handle RTL and orientation change from portrait to landscape.
- A SyncAdapter in order to regularly get updated info about popular TV series
- A Content Provider to store the favorite tv shows and a Loader to move the data to its views
- App keeps all strings in a strings.xml file and enables RTL layout switching on all layouts.
- App provides a widget to provide relevant information to the user on the home screen.
- App validates all input from servers and users. If data does not exist or is in the wrong format, the app logs this fact and does not crash.
- Information of the cast of the show or movie, and what shows or movie did, and information about each one in the cast.
- Search movies or TV show
- Notify users when shows marked as favourite is aired.
- Working offline and online

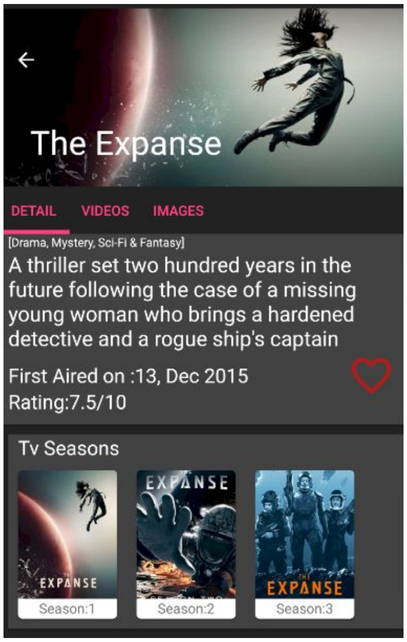
User Interface Mocks

Screen 1



Main Launch Page of the app where a user can add his favorite from a variety of tv shows from the list.

Screen 2



[Drama, Mystery, Sci-Fi & Fantasy]

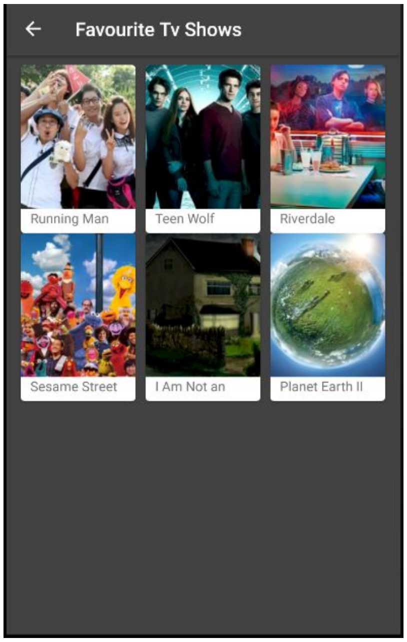
A thriller set two hundred years in the future following the case of a missing young woman who brings a hardened detective and a rogue ship's captain

First Aired on :13, Dec 2015

Rating:7.5/10

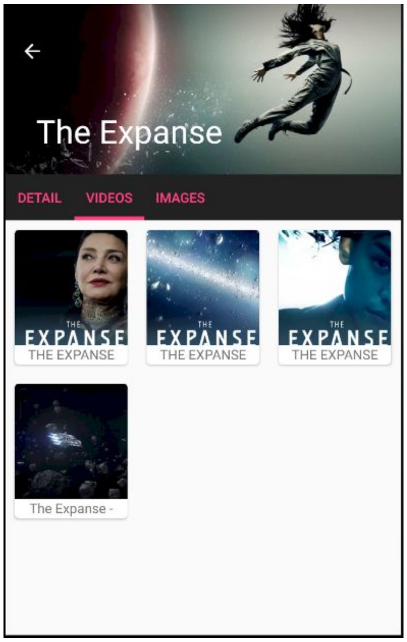
Detail Page of a tv show where a user will be able to select the season the user wants to get Notified about.

Screen 3



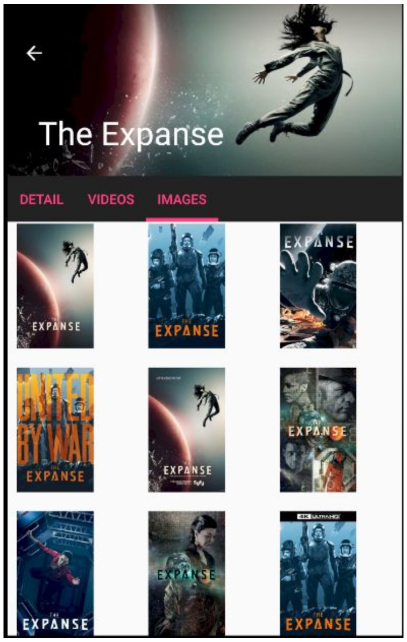
Favorite TV shows screen that shows all the TV shows that you made as favorite.

Screen 4



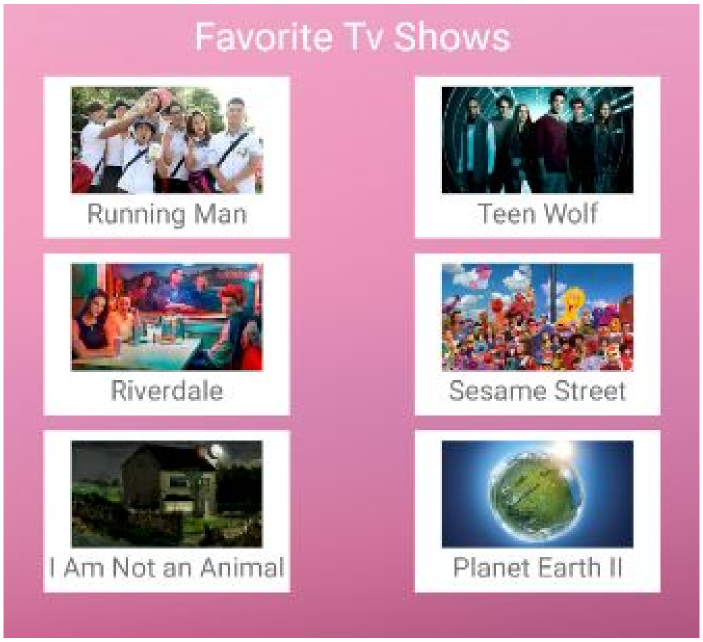
Videos of the show, as trailers.

Screen 5



Images of the show.

Screen 6



App widget for the user to view the favorite shows, i am planning to do it from the data received.

Key Considerations

How will your app handle data persistence?

I will build a content provider.

Describe any edge or corner cases in the UX.

Handing the different season of a tv show and the cast and the images and the videos.

Describe any libraries you'll be using and share your reasoning for including them.

- Gradle 3.1.4
- Fresco 1.2.0 : image loading.
- Retrofit 2.4.0 : web api calls.
- Eventbus 3.0.0 : communication.
- Greendao 2.1.0 : database.

Describe how you will implement Google Play Services or other external services.

Admob and analytics will be added as Google Play Service.

Next Steps: Required Tasks

This is the section where you can take the main features of your app (declared above) and break them down into tangible technical tasks that you can complete one at a time until you have a finished app.

Task 1: Project Setup

Create the project in Android Studio

- 1. Configure Libraries such as retrofit, fresco, event bus etc
- 2. Setup the required libraries in build.gradle files
- 3. Setup the java folder structure in a logical manner
- 4. Load png files into drawable folders including app ICON.
- 5. Create git repo for the project
- 6. Analyse tmdb tv show api.
- 7. Design database schema for users data storage

Task 2: Implement UI for Each Activity and Fragment

- 1. Build UI for Launch activity
- 2. Build UI for different tabs on screen

Task 3: Implement Network calls

- 1. Create classes for tmdb api for retrieving data
- 2. Test the network calls
- 3. Add them on back thread using eventbus.
- 4. Async Adapter in order to regularly get updated info about popular TV series.
- 5. This data will be used later to feed the widget provided by the app.

Task 4: Implement logic and data

- 1. Add data received from network to database for offline viewing
- 2. Add search and sort filters in listing page

Task 5: Implement Google Play services

- 1. Add admob for banner ads
- 2. Add analytics on different events in app.