The Movies App

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Description

The idea of this app is similar to the popular movies project but it includes a widget, material design features and login user capability with Firebase.The app will provide information about movies, tv shows and etc using APIs of TMDB.

This application is developed with Java and XML language programming in Android Studio IDE.
In Addition this application also utilizes stable release Sdk version 27 for libraries Gradle and Android Studio

Intended User

Anyone who is interested to learn more about latest movies, tv shows, their rating and etc can use this app.

Features

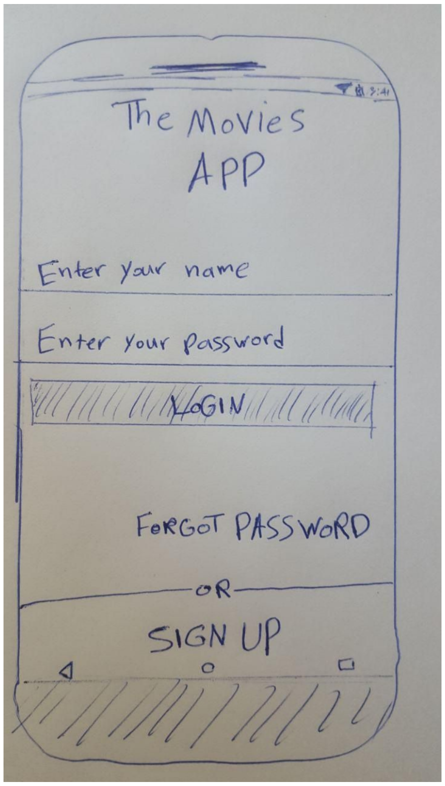
Some of the main features will be:

- Great UI was implemented according to the material design guidelines
- User can bookmark(save) info about a particular movie/show

User Interface Mocks

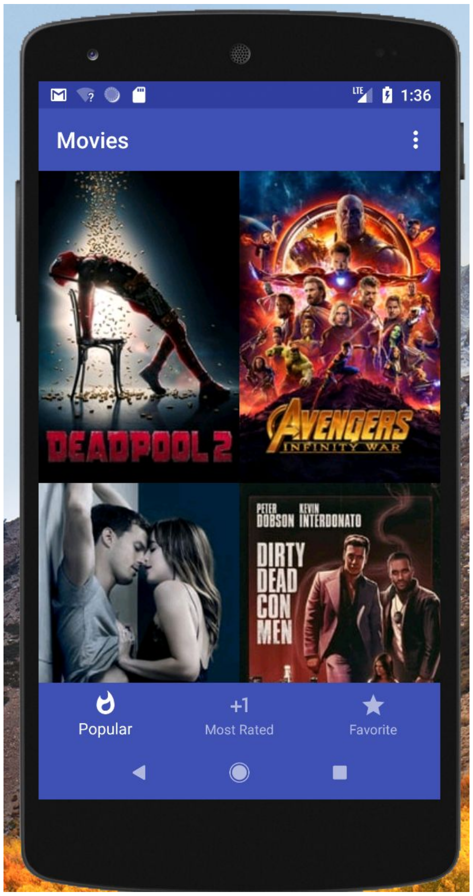
These can be created by hand (take a photo of your drawings and insert them in this flow), or using a program like Google Drawings, www.ninjamock.com, Paper by 53, Photoshop or Balsamiq.

Screen 1



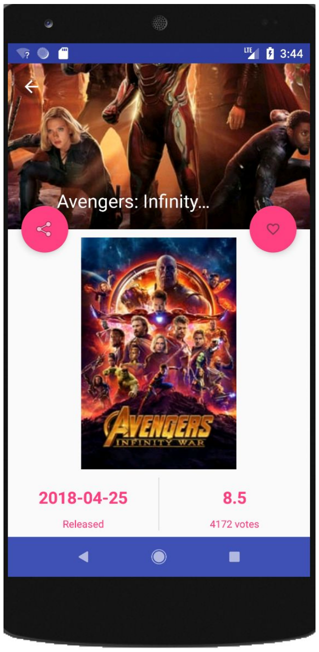
This is the screen of LoginActivity that the user can enter the username and password(that already registered by SigninActivity) and can enter to the MovieActivity

Screen 2



This screen is TheMoviesApp in the mobile mode screen and the user can enter after signing in this activity and as you see this activity includes a GridView which shows the poster of Movies in the format of GridView and also we have a menu button on the right in the ActionBar includes three MenuItem(Popular,MostRated and Favorite)

Screen3



3:44

Avengers: Infinity...

2018-04-25

Released

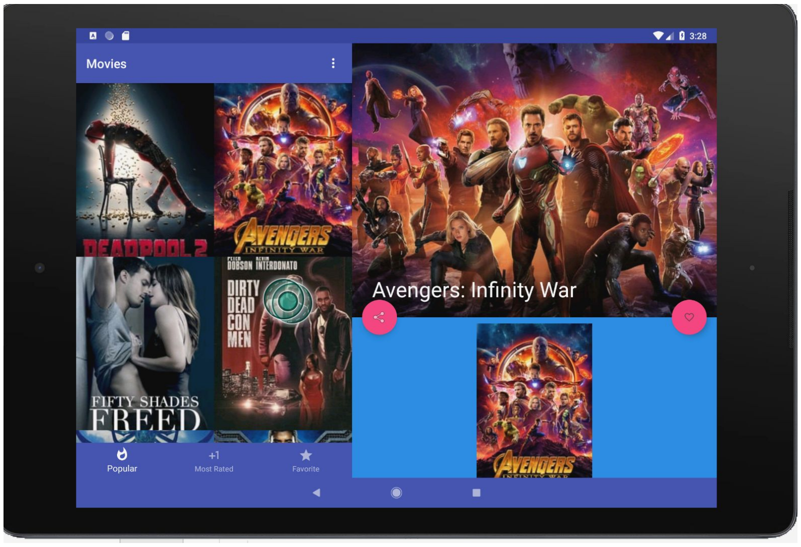
8.5

4172 votes

This Screen is DetailsActivity screen and when the user clicks on the poster of the Movies in the MovieActivity the user can enter this Activity and see the details of the movie. As you see this activity includes the movie poster and also the movie details.

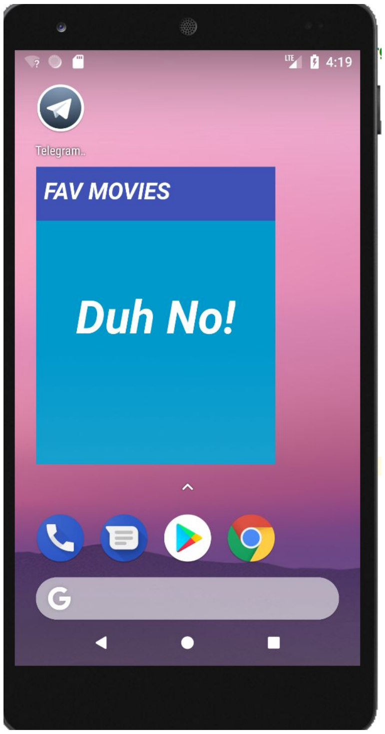
It also includes two icon button (Share_icon_Button and Favorite_icon_Button) and a Floating Action Button which user can watch the movies's youtube by clicking on this button.

Screen4



This screen is TheMoviesApp in the tablet mode screen which includes of two fragments. The left side fragment includes the Movies Activity (as mentioned in the Screen 2) and the right side fragment includes the DetailsActivity which allows the user to see the movie's details by clicking on the movie poster (as mentioned in the Screen 3)

Screen5



This Screen is the widget for this app and it shows the list of favorite movies in the form of GridView and to update appwidgets ,we will use IntentService ,Intent Service is a special kind of service which performs an action and shuts itself down,once the action is complete.

Key Considerations

How will your app handle data persistence?

I will use a Content Provider with SQLite database to store the favorite movies
and when the user chooses a movie as a favorite movie the data of the movie gets added to the FavoriteActivity and when there is no network the user can see the poster of Favorite Movies inside the FavoriteActivity.

Describe any edge or corner cases in the UX.

The user after sign in can open directly the MainActivity (Screen1) and click on poster of the movies to open the DetailsActivity .

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

Glide to handle the loading and caching of images.
CircleImageView to display images in circular shape.
TheMoviesDB API Support libraries for material design.
RecyclerView for shows the list of Movies in the same format
Retrofit for fetch data

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

Utilized Firebase to register and SignIn user in the MovieActivity and see that how the users are using the app and how many users are using it.

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 a simple project with Empty Activity
- Change Launcher Activity as per App requirements

- Create Fragment for Details Activity
- Create 3 Activities as MainActivity, Details Activity and Favorite Activity

Task 2: Implement UI for Each Activity and Fragment

- Build UI for MainActivity
- Build UI for Details Activity
- Build UI of Details Fragment for Tablet purpose

Task 3: save data offline using SQLite

● Create SQLite database and other required classes to store data offline and retrieve it when required.

Task 4: create a Widget

Create a widget that the user can see favorite movies in the GridView on the Widget(Screen 5)

Submission Instructions

- After you’ve completed all the sections, download this document as a PDF [File → Download as PDF]
    - Make sure the PDF is named “**Capstone_Stage1.pdf**”
- Submit the PDF as a zip or in a GitHub project repo using the project submission portal

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- Add this document to your repo. Make sure it’s named “**Capstone_Stage1.pdf**”