IMDB Search App:

I have used The Open Movie Database for getting data of IMDB as IMDB don't have their own official api for getting data.

Following are the URL which I have used to get data for search and detailed views.

Requesting Data:

Search: URL: http://www.omdbapi.com/?s=Batman&type=series&y=2016

Where S=search query , type=movie/series y=year(its optional)

Response:

{

"Search": [

{

"Title": "Untitled Batman Spin-off Series",

"Year": "2016–",

"imdbID": "tt3773050",

"Type": "series",

"Poster": "http://ia.media-imdb.com/images/M/MV5BMjM2MjczNTU1NV5BMl5BanBnXkFtZTgwNjEzNTQ3NzE@._V1_SX300.jpg"

},

{

"Title": "Batman: The Hunt for Red Hood",

"Year": "2016",

"imdbID": "tt4976342",

"Type": "series",

"Poster": "N/A"

}

],

"totalResults": "2",

"Response": "True"

}

Here in response I am not getting director name so I have displayed Poster, Title, Year.

Detail View: URL: http://www.omdbapi.com/?i=tt2975590&plot=full&r=json

i=IMDB ID, plot=full/short(I have used Full), r=JSON/XML (I have used JSON)

{

"Title": "Untitled Batman Spin-off Series",

"Year": "2016–",

"Rated": "N/A",

"Released": "N/A",

"Runtime": "50 min",

"Genre": "Action, Adventure, Crime",

"Director": "N/A",

"Writer": "BrenDen Polar, Kyle Chen",

"Actors": "BrenDen Polar, Hailey Hayes, Kevin Moucha",

"Plot": "N/A",

"Language": "English",

"Country": "USA",

"Awards": "N/A",

"Poster": "http://ia.media-imdb.com/images/M/MV5BMjM2MjczNTU1NV5BMl5BanBnXkFtZTgwNjEzNTQ3NzE@._V1_SX300.jpg",

"Metascore": "N/A",

"imdbRating": "N/A",

"imdbVotes": "N/A",

"imdbID": "tt3773050",

"Type": "series",

"Response": "True"

}

Have displayed which every field is available in detailed view.

Libraries & Dependency:

```
dependencies {
    compile fileTree(dir: 'libs', include: ['*.jar'])
    testCompile 'junit:junit:4.12'
    compile 'com.android.support:appcompat-v7:23.2.0'
    compile 'com.android.support:recyclerview-v7:23.2.0'
    compile 'com.android.support:cardview-v7:23.2.0'
    compile 'com.android.support:design:23.2.0'
    compile 'com.mcxiaoke.volley:library:1.0.19'
    compile 'com.google.code.gson:gson:2.5'
    compile 'com.android.support:support-v4:23.2.0'
    compile 'com.squareup.picasso:picasso:2.5.2'
}
```

- For Network communication I have used Volley as it supports multiple asynchronous requests with request cancellation and caches request response for faster application performance
- For Image loading I have used Picasso library which also provide multiple image download at the same time and caches images so application wont download images every time.
- Gson for JsonObject to Modal Class parsing
- Material design support with recycler & card view.

Android Sqlite DB for storing user views

I have documented my code for better understanding of what I have done and why.

Screenshots:

Splash Screen: Will initialize Database History.db
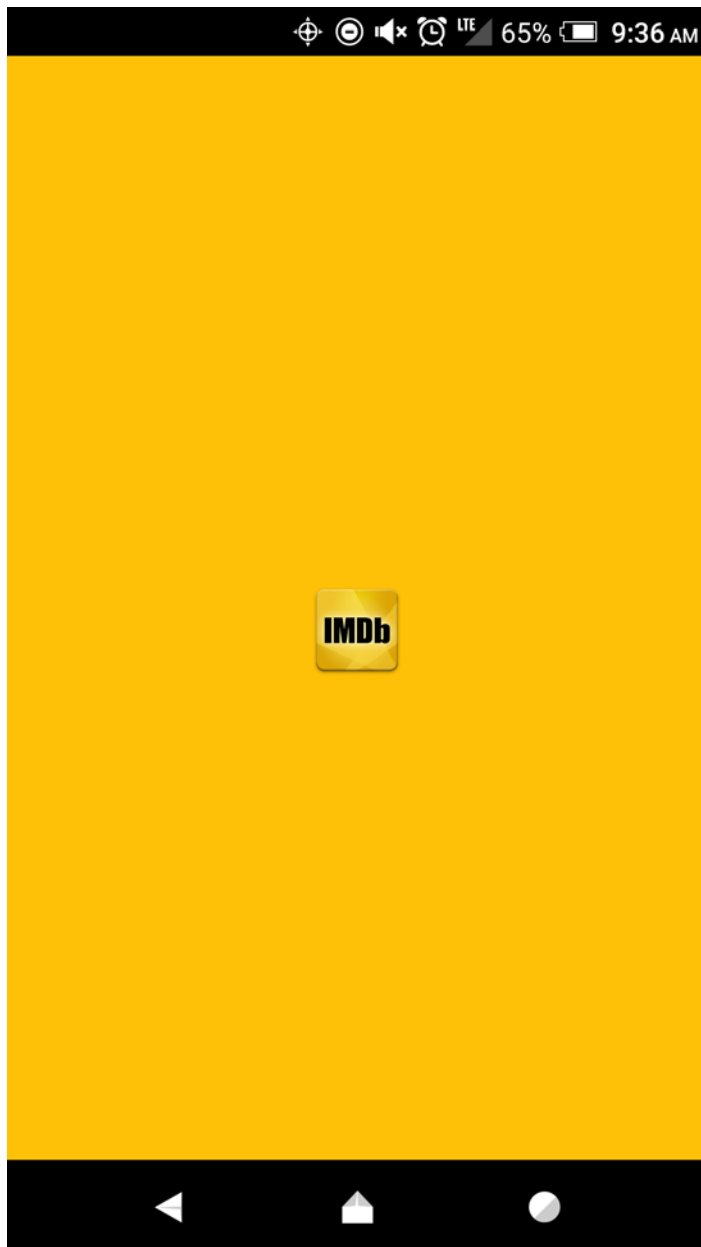
User Dashboard: It has two tabs which will show user's viewed Movie/TV series. It has two fragments which will query database to get user's viewed history.

No History case:
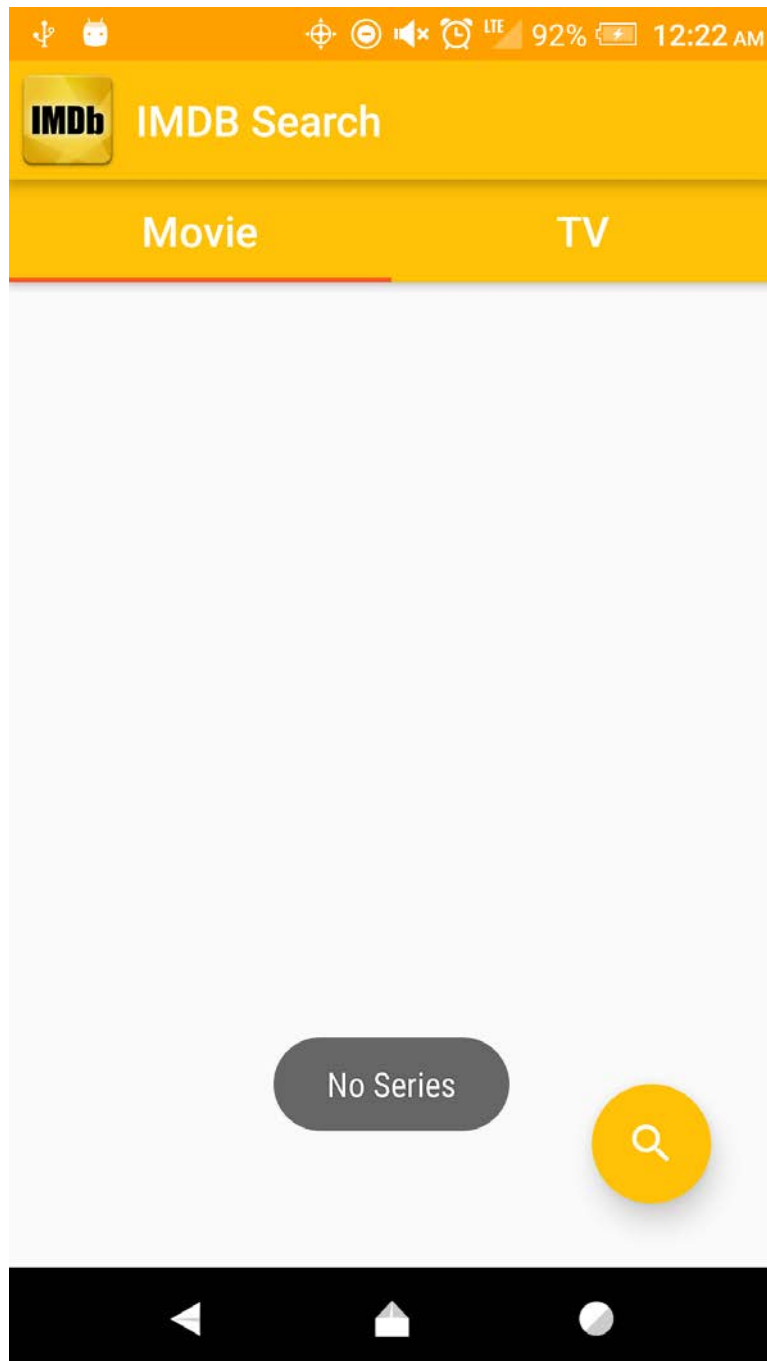
Movie History: Will display Movies and TV Shows. On clicking on any of the card view Detail of the movie will be shown

Movie

TV

Batman: The Animated Series

1992–1995

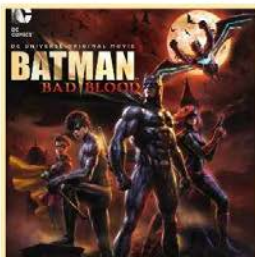**Batman Beyond**

1999–2001

Swipe between two tabs
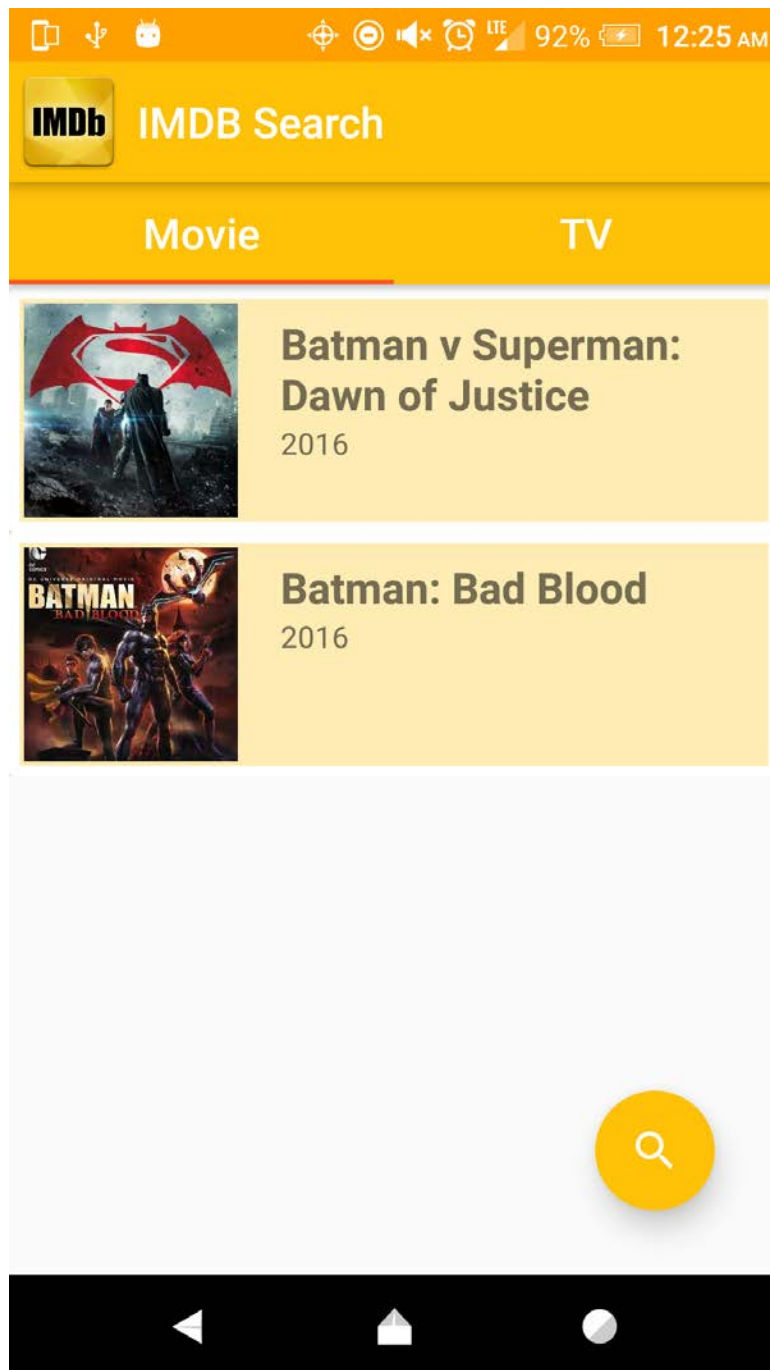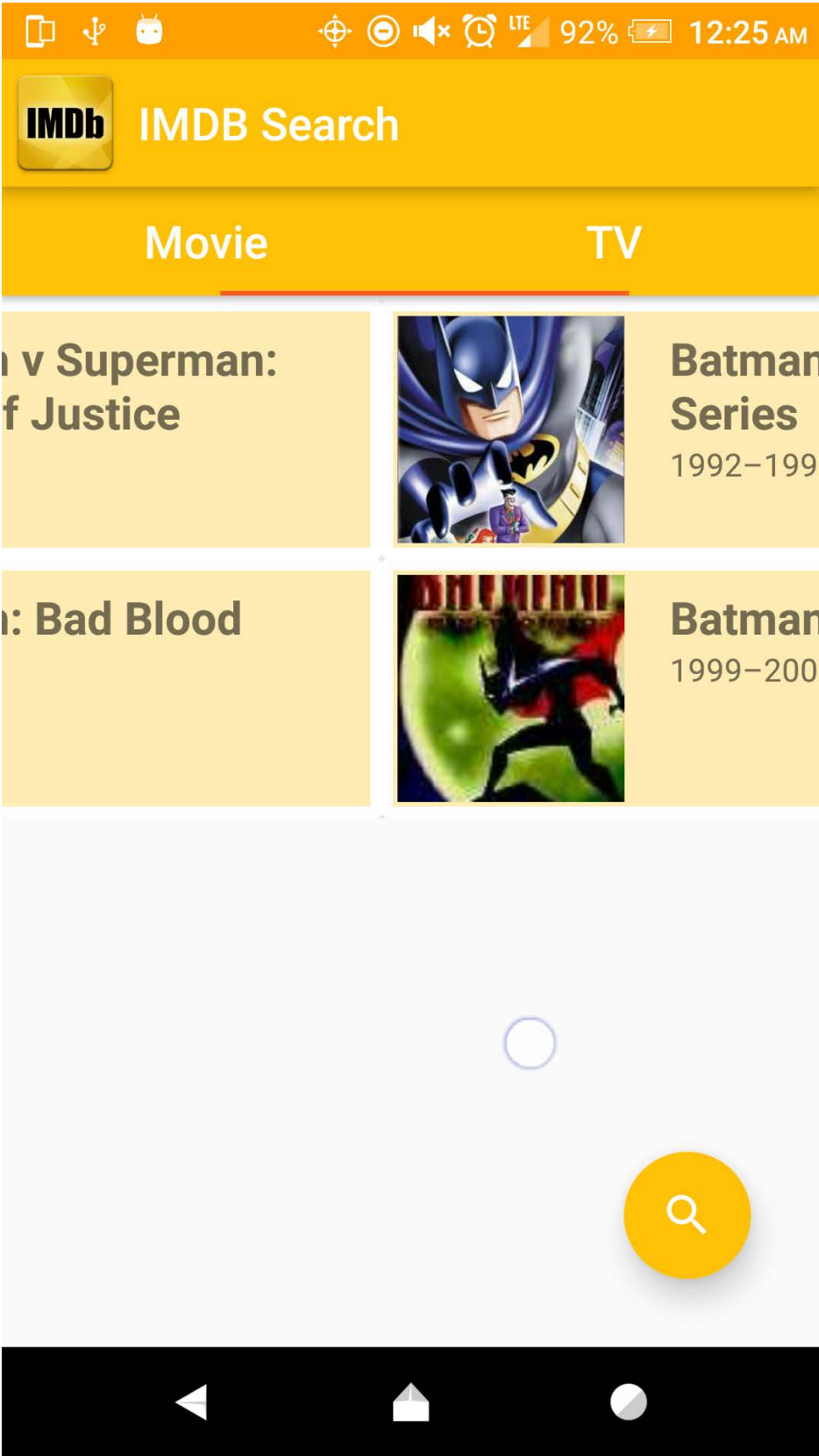
IMDB Search

Movie | **TV**

Batman v Superman:
Dawn of Justice
2016

Batman: Bad Blood
2016

Dawn of the Planet of
the Apes
2014

October Sky
1999

Movie TV
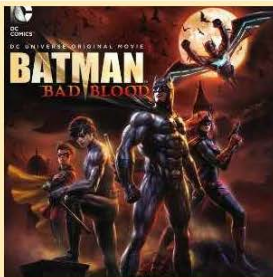
Batman: Bad Blood
2016

Dawn of the Planet of the Apes
2014

October Sky
1999

Terminator 2: Judgment Day
1991
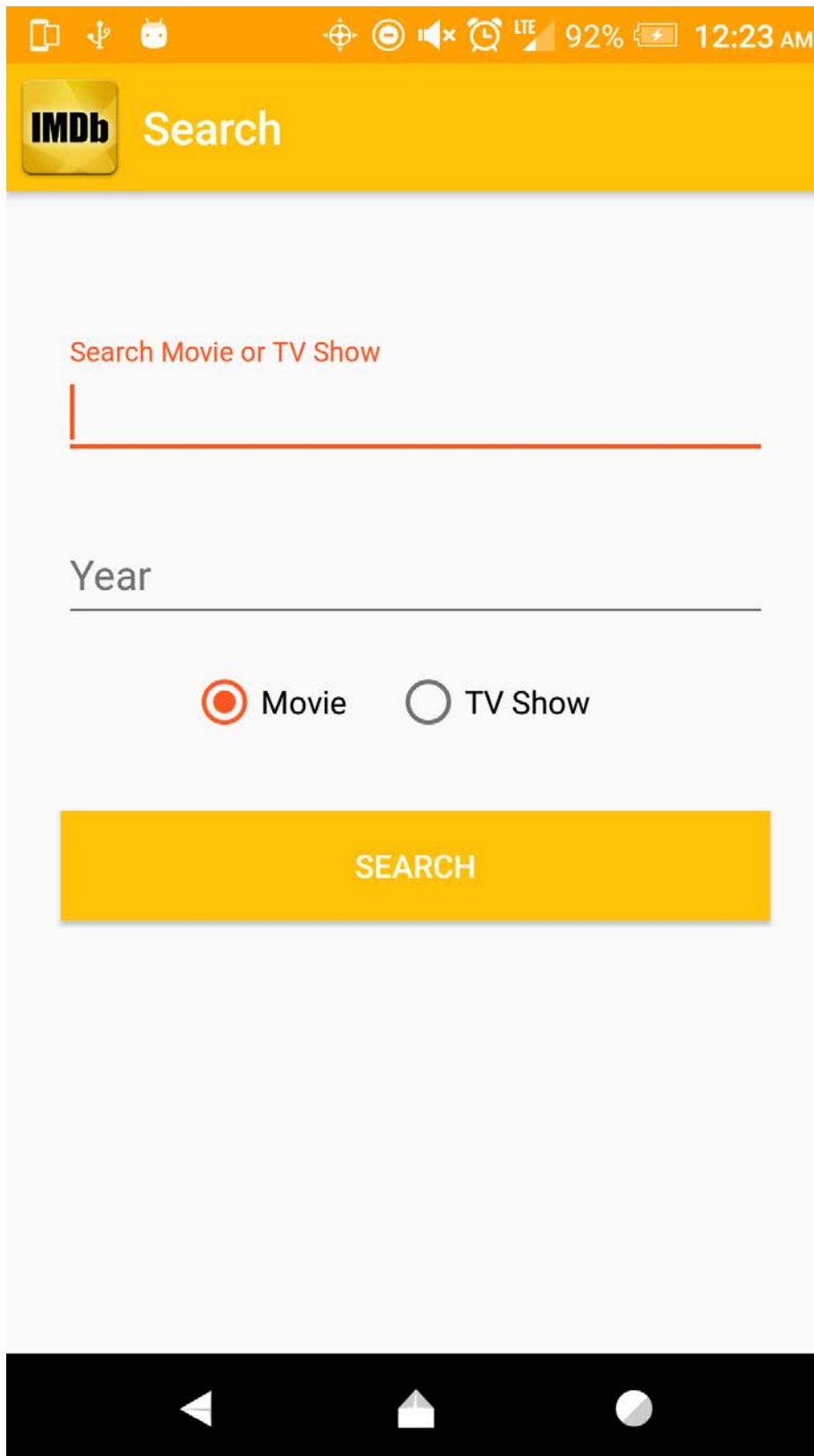
Search: Search can be down with the help of floating material icon
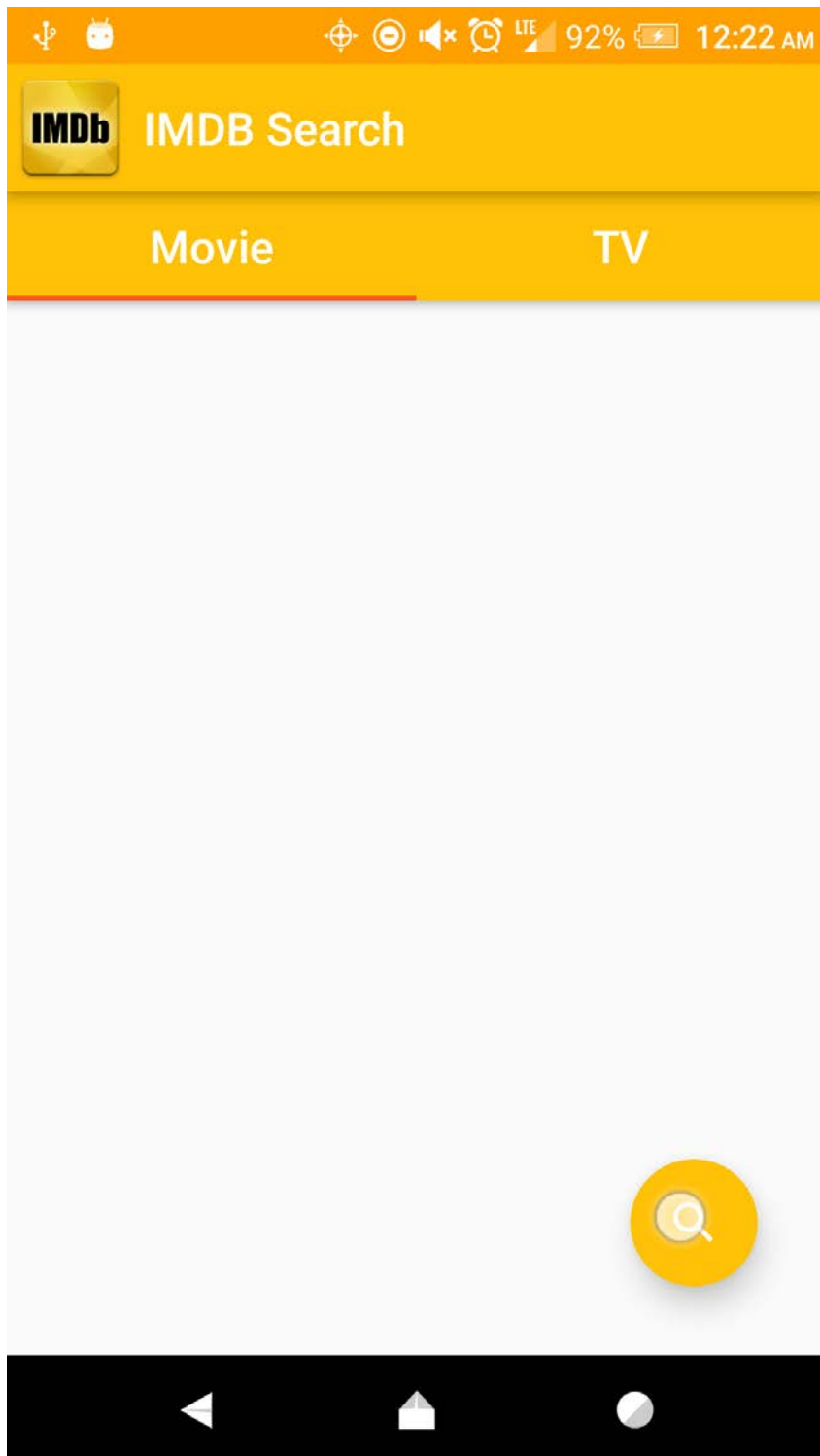
Search Form: Takes Search query, year (Optional) , type

Search Movie or TV Show

batman

Year

2016

⦿ Movie ◯ TV Show
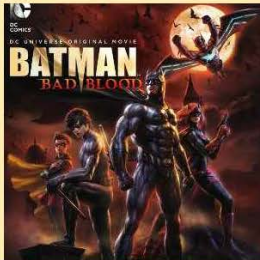
SEARCH

Search Result: Displays search result. Few of the results don't have poster so I have displayed no image

Detailed View: Displayed available fields for that selected movie title and Inserted it into DB for view history

Released: 25 Mar 2016

Director: Zack Snyder

Actors: Ben Affleck, Henry Cavill, Amy Adams, Jesse Eisenberg

Plot: Following his titanic struggle against General Zod, Metropolis has been razed to the ground and Superman is the most controversial figure in the world. While for many he is still an emblem of hope, a growing number of people consider him a threat to humanity, seeking justice for the chaos he has brought to Earth. As far as Bruce Wayne is concerned, Superman is clearly a danger to society. He fears for the future of the world with such a reckless power left ungoverned, and so he dons his mask and cape to right Superman's wrongs. The rivalry between them is furious, fueled by bitterness and vengeance, and nothing can dissuade them from waging this war. However, a dark new threat arises in the form of a third man: one who has a power greater than either of them to endanger the world and cause total destruction!

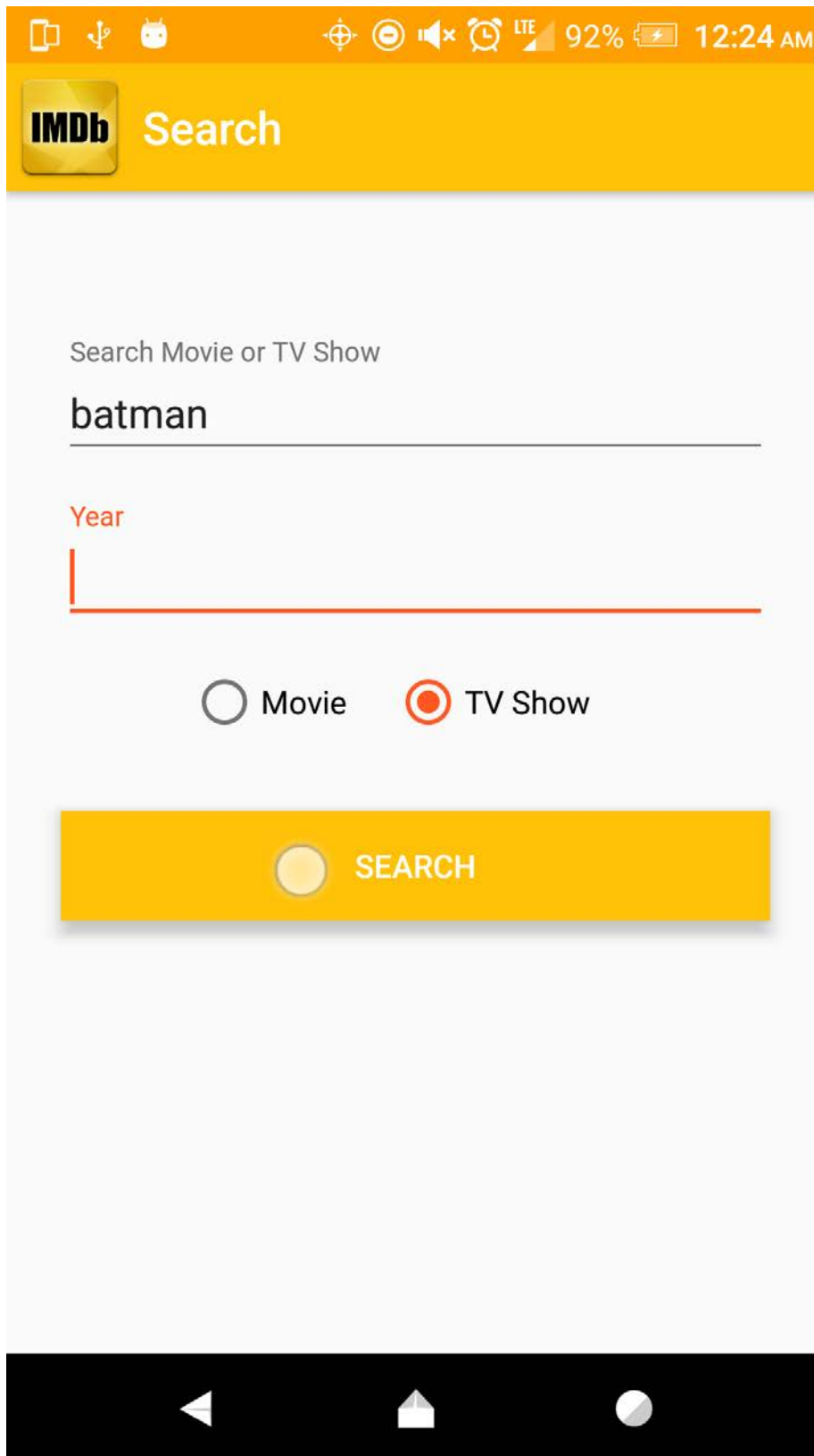Gener: Action, Adventure, Fantasy

Runtime: 151 min

Rated: PG-13

Language: English

TV Show Search:

TV Show Search Result:

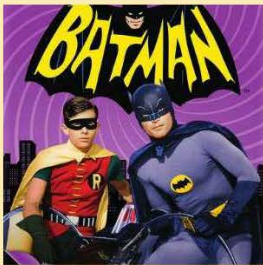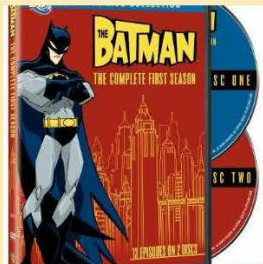Batman: The Animated Series
1992–1995

Batman Beyond
1999–2001

Batman
1966–1968

The Batman
2004–2008

The New Batman

Batman: The Animated Series

Year: 1992–1995

⭐ 9.0/10

Released: 05 Sep 1992

No internet connectivity handling: In case of no internet will notify user as below. Have checked for connectivity before making any network call

No Search Result: