

## 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/MV5BMjM2Mjc3NTU1NV5BMl5BanBnXkFtZTgwNjEzNTQ3NzE@._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'  
}
```

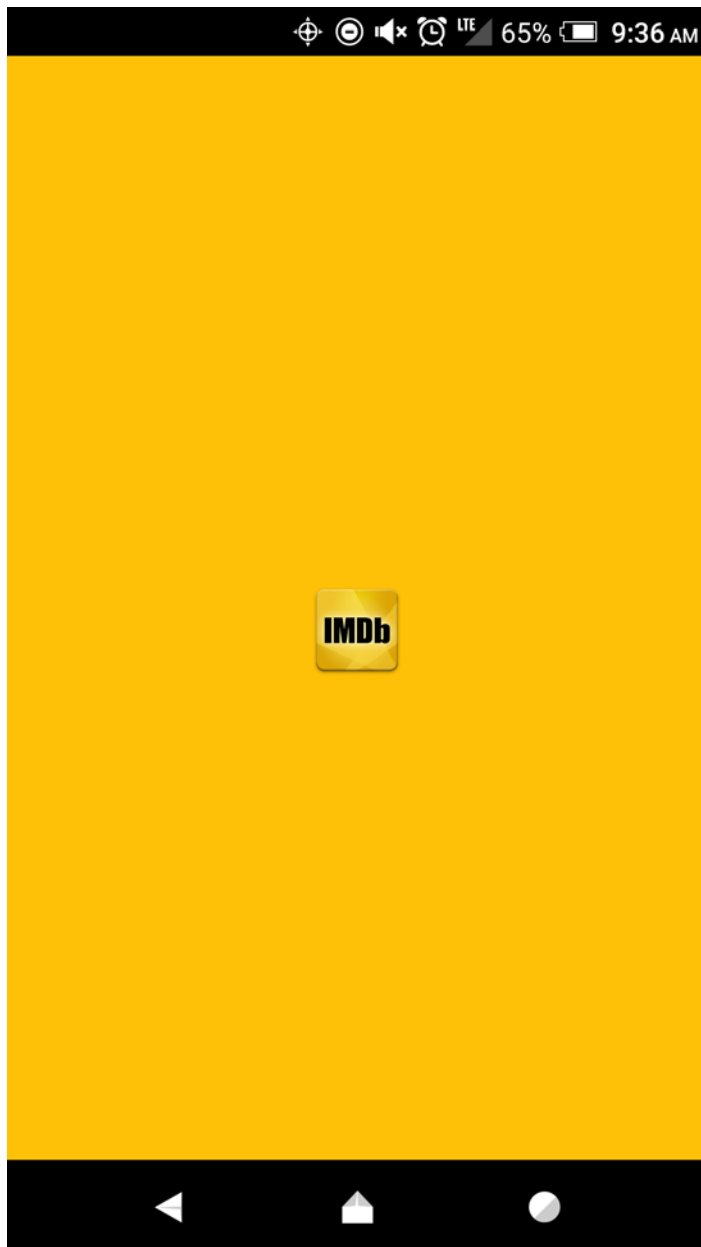
- For Network communication I have used Volley as it supports multiple asynchronous requests with request cancellation and caches request response for faster application performance
- For Image loading I have used Picasso library which also provide multiple image download at the same time and caches 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.

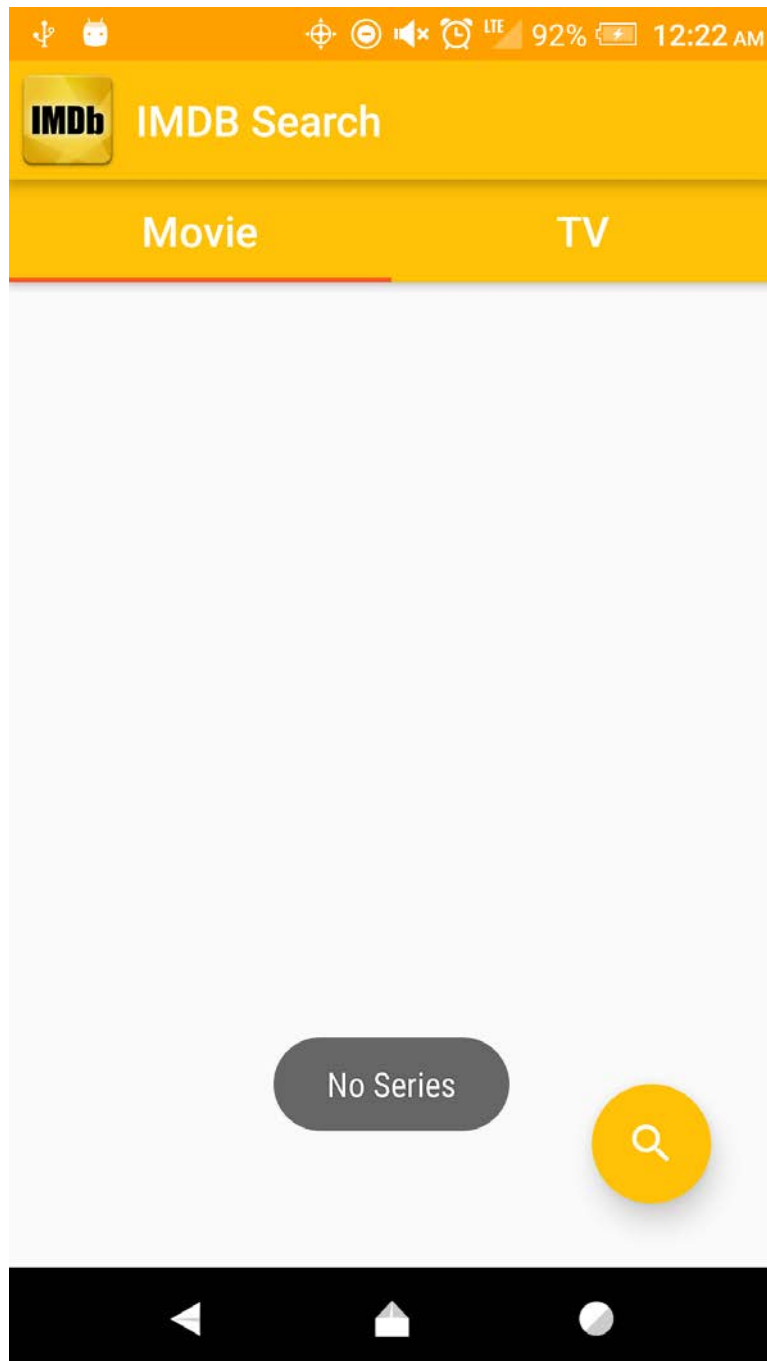
Screenshots:

Splash Screen: Will initialize Database History.db

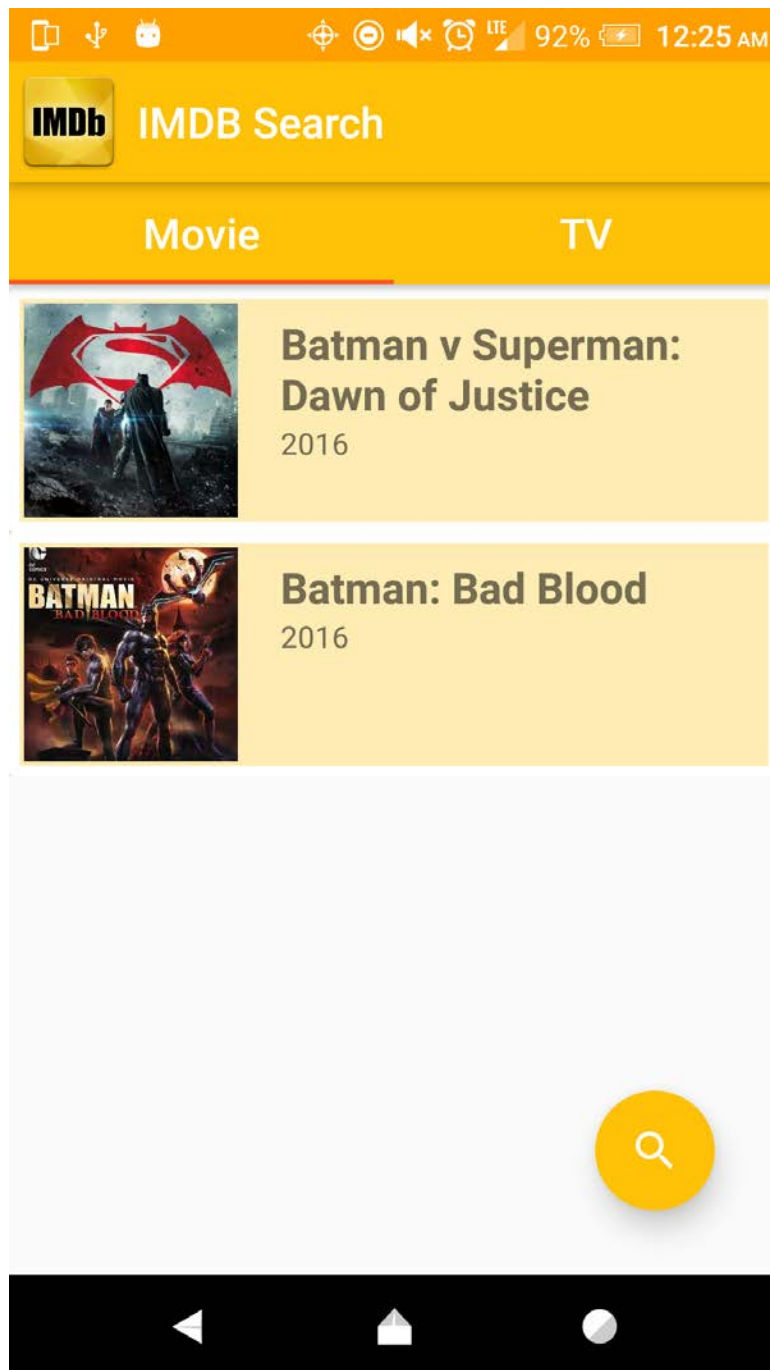


User Dashboard: It has two tabs which will show user's viewed Movie/TV series. It has two fragments which will query database to get user's viewed history.

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





## IMDb Search

Movie

TV



### Batman: The Animated Series

1992–1995

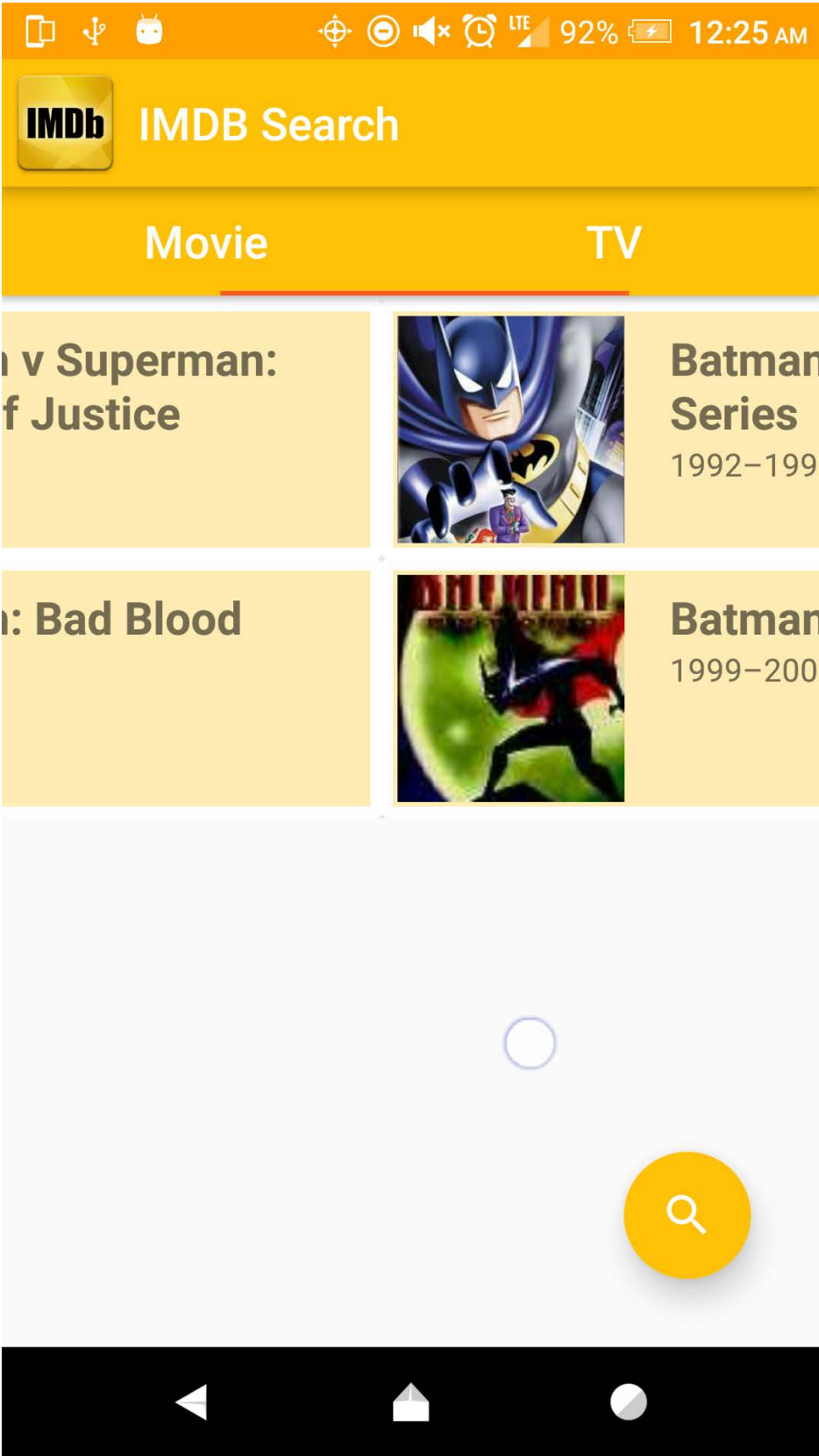


### Batman Beyond

1999–2001



Swipe between two tabs







## IMDB Search

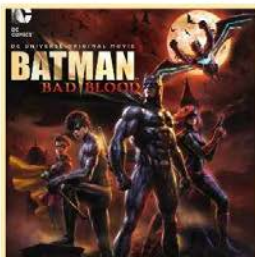
Movie

TV



### Batman v Superman: Dawn of Justice

2016



### Batman: Bad Blood

2016



### Dawn of the Planet of the Apes

2014



### October Sky

1999





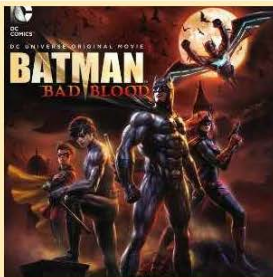
65% 9:38 AM



## IMDB Search

Movie

TV



### Batman: Bad Blood

2016



### Dawn of the Planet of the Apes

2014



### October Sky

1999

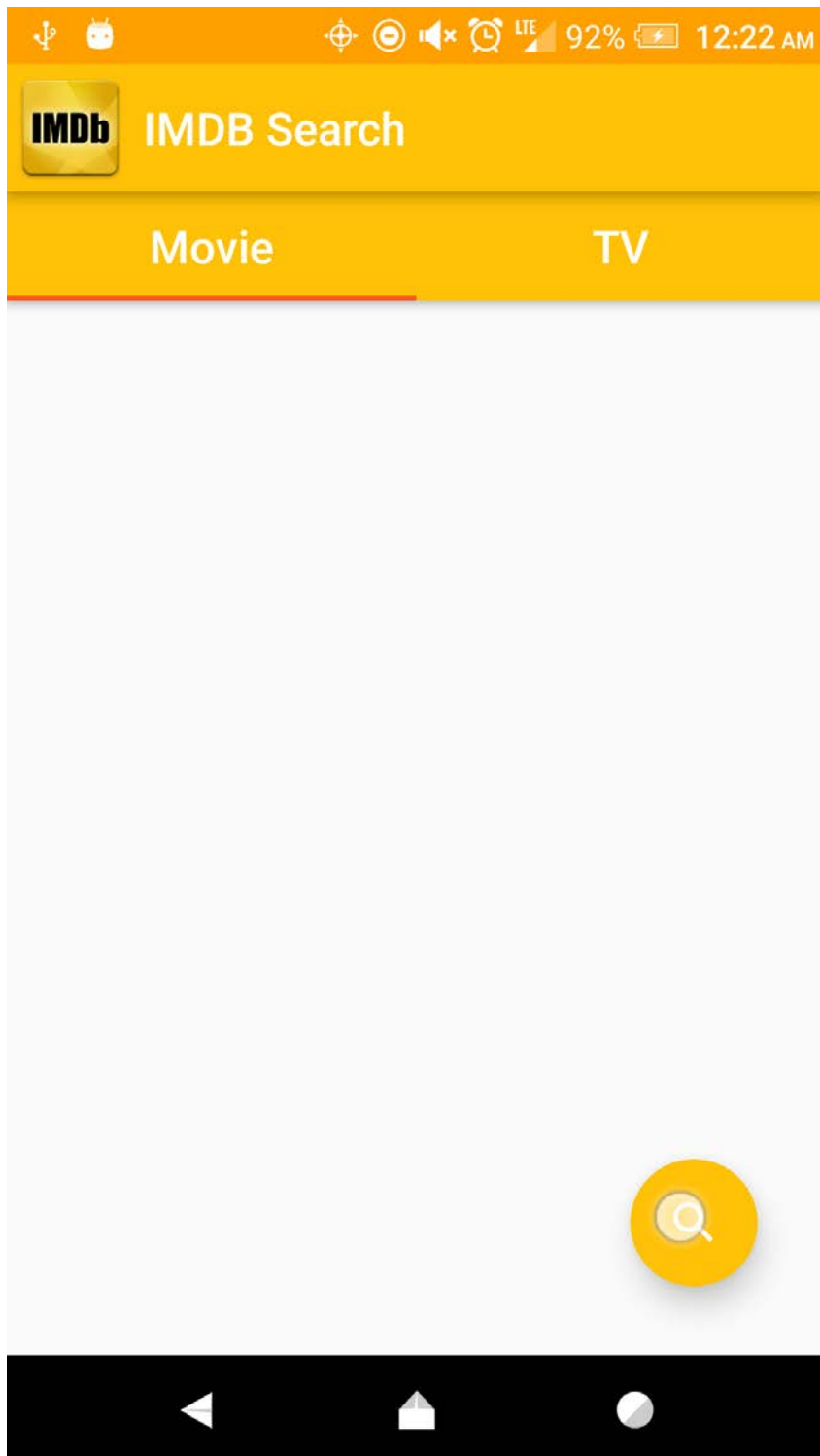


### Terminator 2: Judgment Day

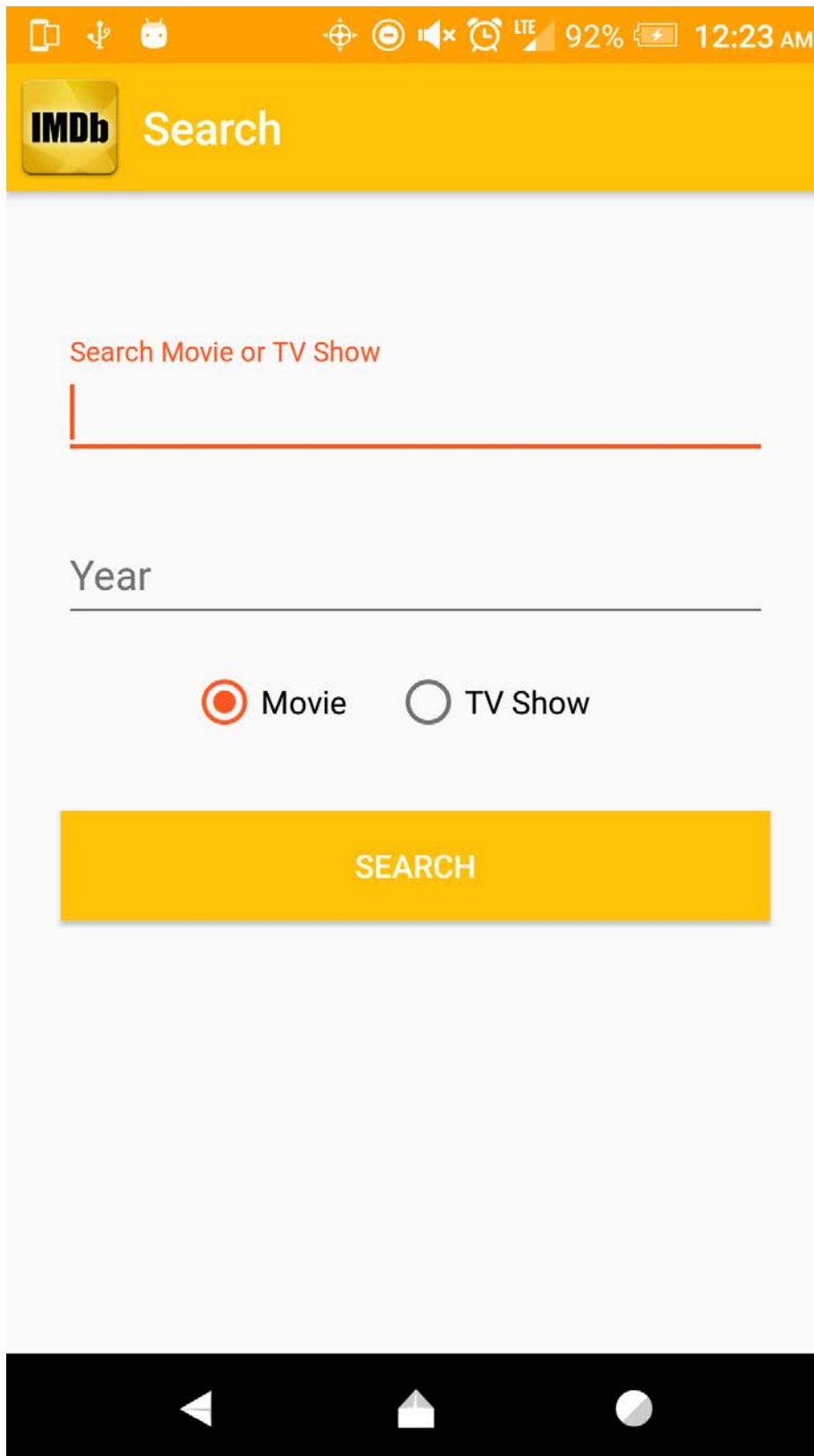
1991



Search: Search can be down with the help of floating material icon



Search Form: Takes Search query, year (Optional) , type



The image shows a screenshot of the IMDb Search form on an Android device. At the top, there is an orange header bar with the IMDb logo and the word "Search". Below the header, there is a search input field with the placeholder text "Search Movie or TV Show". Underneath the search field is a "Year" input field. Below the year field are two radio buttons: "Movie" (selected) and "TV Show". At the bottom of the form is a large yellow button labeled "SEARCH". The Android status bar at the top shows various icons including a folder, USB, a robot, location, a circle with a dot, a speaker, an alarm clock, LTE signal, 92% battery, and the time 12:23 AM. The Android navigation bar at the bottom shows the back, home, and recent apps buttons.

12:23 AM 92% LTE

IMDb Search

Search Movie or TV Show

Year

☒ Movie ☐ TV Show

SEARCH

Search Movie or TV Show

batman



Year


2016

☒ Movie ☐ TV Show

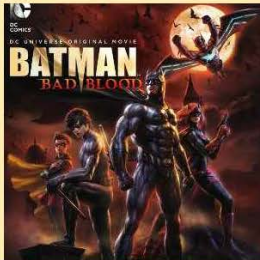
SEARCH

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


 **Movie**



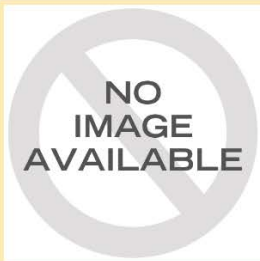
**Batman v Superman:  
Dawn of Justice**  
2016




**Batman: Bad Blood**  
2016




**Skyfest 2015: Batman  
vs Superman**  
2016




**Batman & Jesus**  
2016



**Superman Meets**  
-



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

12:23 AM 92%  
Details




# Batman v Superman: Dawn of Justice

Year: 2016

★ 7.7/10

Released: 25 Mar 2016







IMDb

Details

Released: 20 Mar 2010

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

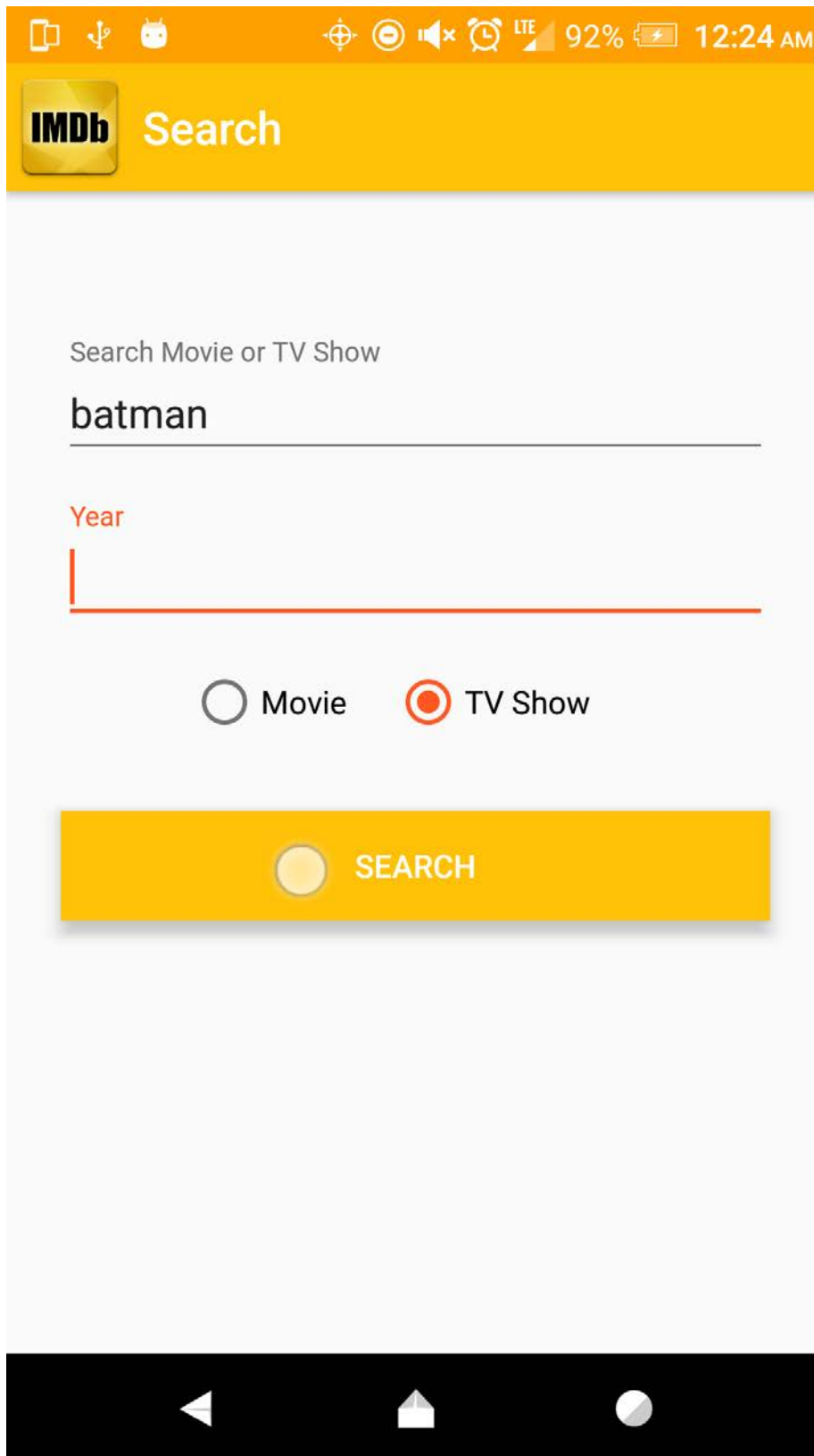
Rated: PG-13

Language: English





TV Show Search:



Search Movie or TV Show


batman


Year


☐ Movie ☒ TV Show

SEARCH


TV Show Search Result:

12:24 AM 92% LTE

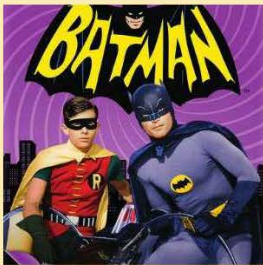
TV Show



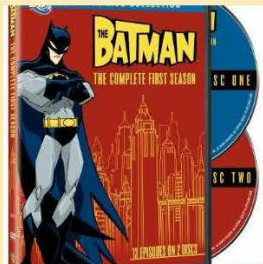
**Batman: The Animated Series**  
1992–1995




**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

The screenshot shows a mobile application interface for IMDb search. At the top, there is a yellow header bar with the IMDb logo and the word "Search". Below the header, there is a search input field with the placeholder text "Search Movie or TV Show" and the text "spiderman" entered. Below the search field, there is a red "Year" label and a red input field. Below the year field, there are two radio buttons: "Movie" (selected) and "TV Show". Below the radio buttons, there is a yellow "SEARCH" button. At the bottom, there is a grey rounded rectangle containing the text "Please Check Internet Connection". The top status bar shows various icons including location, camera, speaker, alarm, signal strength, 90% battery, and the time 12:40 AM. The bottom navigation bar shows three icons: a back arrow, a home icon, and a circle icon.

12:40 AM 90%

IMDb Search

Search Movie or TV Show

spiderman

Year

☒ Movie ☐ TV Show

SEARCH

Please Check Internet Connection

No Search Result:

