

# tenttwenty\*

TheMovieDb App

## SOFTWARE DESIGN DOCUMENT

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## **Technologies Used :**

- Native android development using Kotlin / JAVA

## **Design Pattern :**

- Android MVC pattern

## **Libraries Used :**

- Mosby (MVP library) :  
To keep the per MVP modul short and to eliminate the extra boilerplate code required to write onConfiguration change of Activities.
- Dagger 2.0  
To support the Dependency Injection. Which eliminates the need of creating same objects again and again.
- Retrofit  
For handling the network requests like API calls.
- Room database  
To store the data persistently.
- RxAndroid  
To simply the asynchronous access pattern of the Room db. We have to separate Disk and Network request from the UI. which in term improves the app performance.
- Picasso  
An Image Loading library used for loading images from the network. Also improves the app memory management and speed by separating the bitmaps access inside app.

