

Introduction :

This is a movie app which uses TMDb api to fetch the movies from the internet. The movies includes trending movies, series, top rated, upcoming and now playing movies. The features of this app are as follows :-

1. Visually appealing and responsive UI.
2. Display the list of movies in a scrollable view, showing the movie title and poster image.
3. Detail view about the selected movie including title, poster, release date, average rating and popularity.
4. Implemented search feature that allows users to search movies by title.
5. Basic error handling : If the error occurs the user is informed through snackbar.
6. General practices for code organization, readability, and maintainability.

Folder structure :

Components : It includes all the files for custom widgets, functions and classes.

Pages : It includes the screen pages that the user can view and navigate.

Services : It includes networking services specially fetching the data from api.

Assets : It includes external assets including logo.

Challenges faced :

First challenge was to choose the proper UI. All the designs of this app is obtained from Dribbble. I selected three designs from dribbble and combined them to get the full output of the app. Though I got some errors, fetching data from the api was not as difficult as I expected due to the already available package for TMDb api. This package made easier to fetch data from the database.

The main challenge I faced is to filter the data received from the api. Some of the parameters for some movies were null which caused null safety error several times. The data were filtered so that the app will not get null value for the required parameters and run seamlessly.

Some basic error handling are done by using try catch block.

External packages used :

1. Font_awesome_flutter
2. Google_fonts
3. Tmdb_api

Conclusion

There is a lot of hard work done for this app. The UI and functions of this app is pleasing. I thank **Everestwalk Groups** for giving me this opportunity to make this app. This has become a good achievement for me personally. Though I am hopeful but even if I don't get selected I will be including this project in my new CV.

Thank you,

Samuel Thapa Magar