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Upcoming movies

Description

My application helps users to explore through all the upcoming movies (movies , yet to be released) , know their release dates , average votes , popularity , summary (overview) and also post their personal suggestions (Rating , on a scale of 1-10) for each movie (authenticated users). It also Keeps track of the movie's release date in the widget .

Intended User

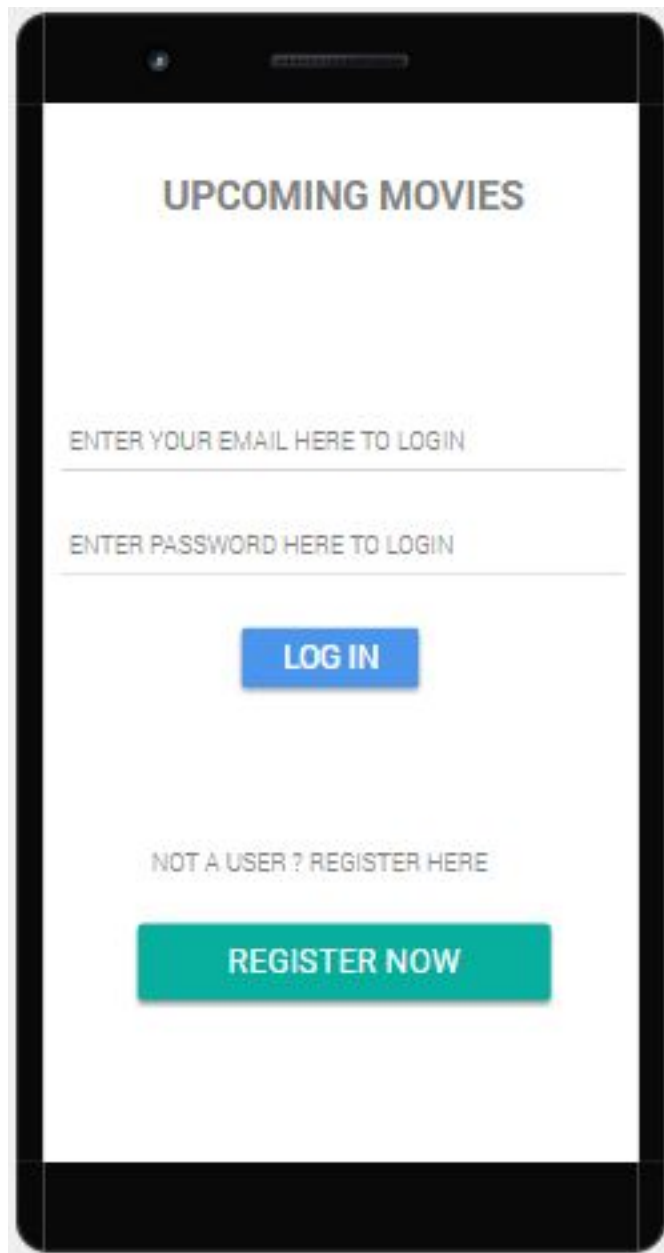
Anyone who loves watching movies , who wants to stay updated with all the upcoming movies or anyone who wants to keep track of the recently released films . anyone who use smartphones can get detailed information about the upcoming films and can plan their weekends accordingly :p

Features:

- Authenticates the user using firebase authentication .
- Fetches release date, summary, vote average ,popularity of all upcoming films from themoviedb.org site .
- Users can post their personal suggestions for any movie , this data is stored in firebase realtime database
- Fetches all the suggestions for every individual film posted by the other application users
- Widget for revisiting the application
- Home screen widget that displays recently viewed film along with its release date .

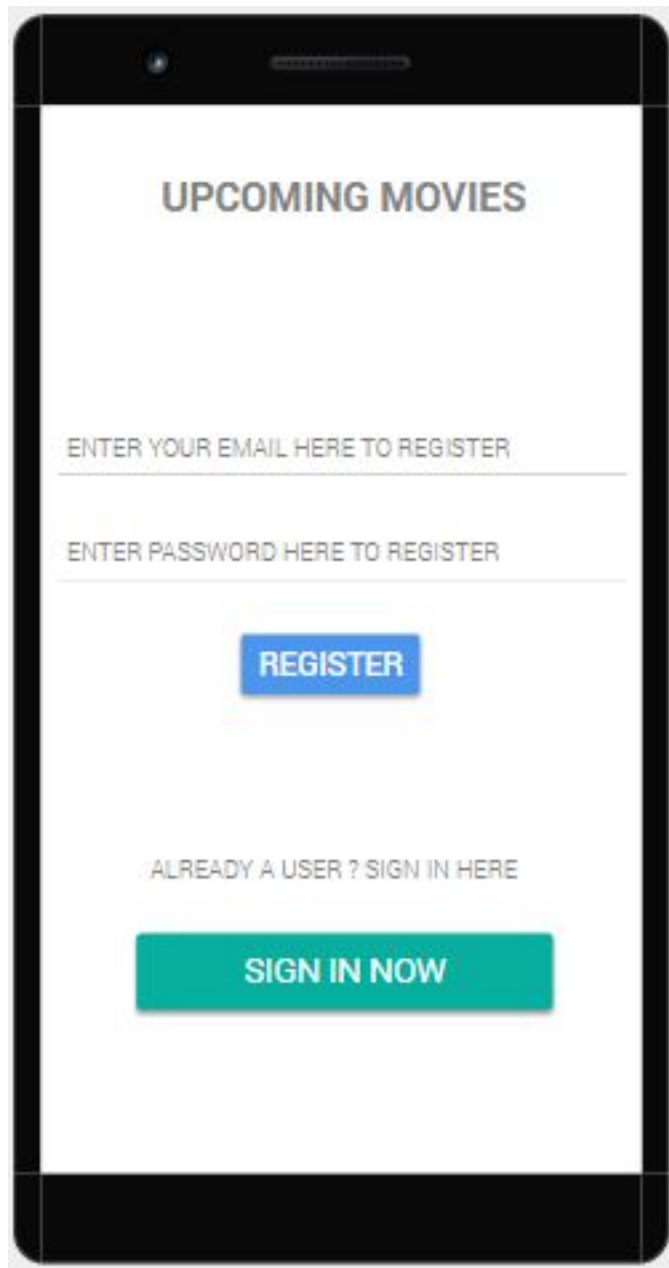
User Interface Mocks

Screen 1



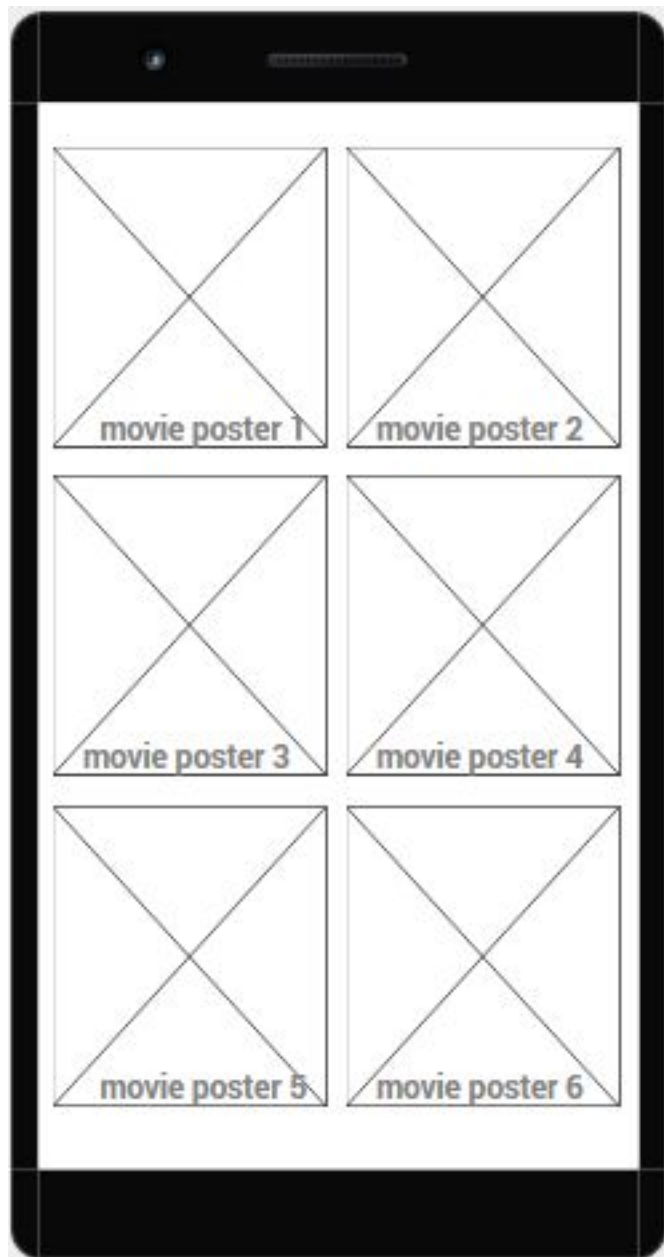
This is the Authentication (sign in) screen for the users who have already registered for the application.

Screen 2

A mobile application registration screen. At the top, the text "UPCOMING MOVIES" is displayed in a bold, sans-serif font. Below this, there are two input fields: "ENTER YOUR EMAIL HERE TO REGISTER" and "ENTER PASSWORD HERE TO REGISTER". Each input field has a light gray border and a small eye icon on the right side. Below the password field is a blue button with the text "REGISTER" in white, uppercase letters. Further down, there is a link that says "ALREADY A USER ? SIGN IN HERE" in a smaller, gray font. At the bottom of the screen is a large, teal button with the text "SIGN IN NOW" in white, uppercase letters. The entire screen is framed by a black border, representing the phone's bezel.

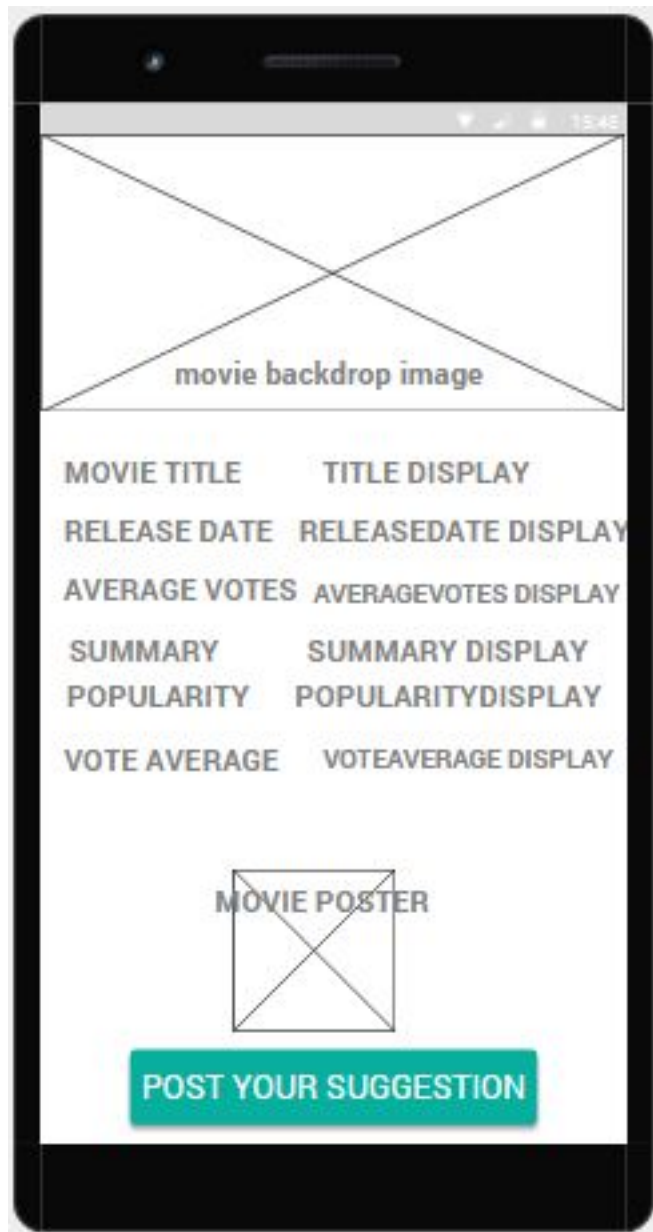
This is the registration (signup) screen for the users who are new to the application . Once registered the user is again navigated to the signin activity , to signin using the same registered email and password .

Screen 3



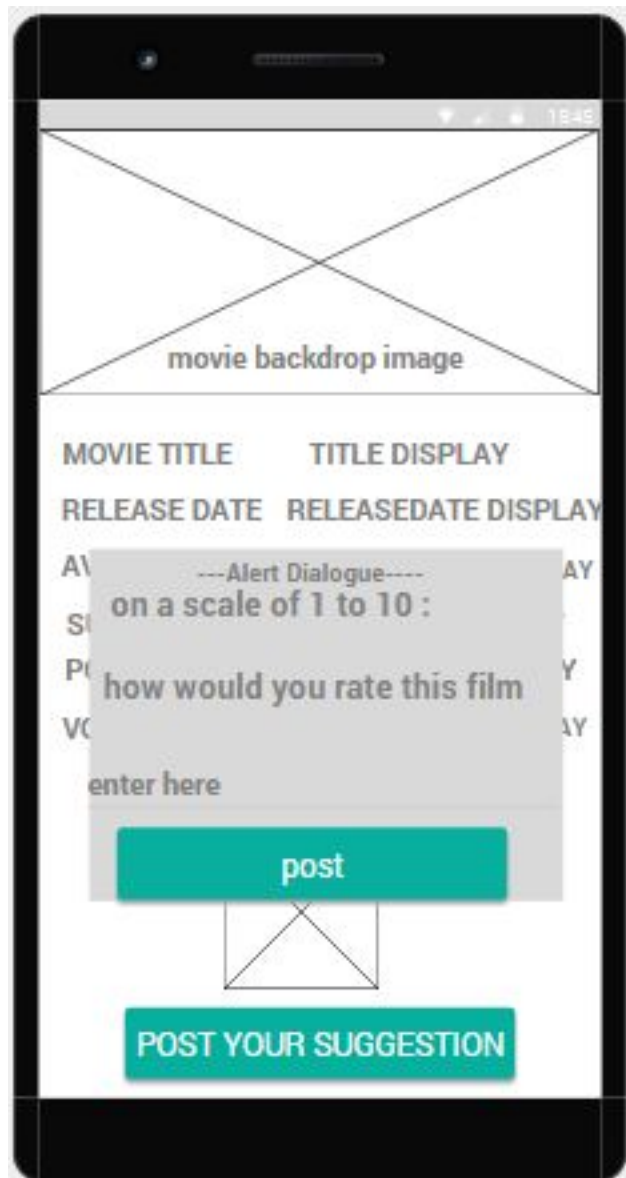
This screen displays all the posters of the upcoming movies to the user.

Screen 4



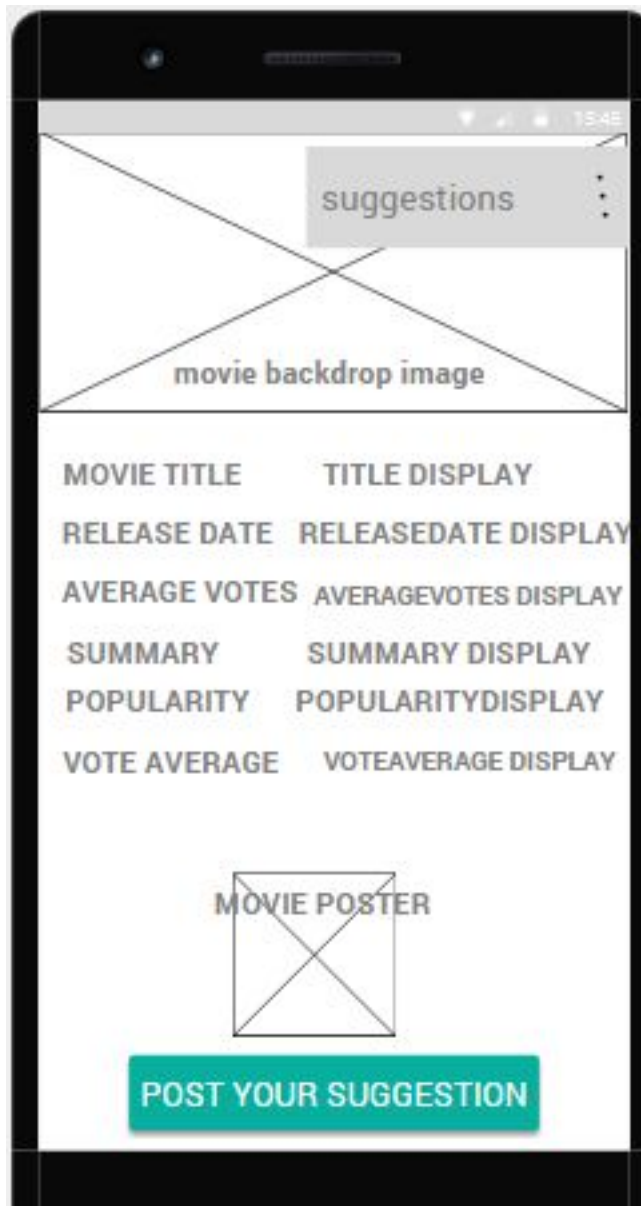
This screen displays all the fetched data regarding the user's selected movie like movie title, release date , average votes , summary , popularity, vote average , backdrop image and movie poster .

Screen 5



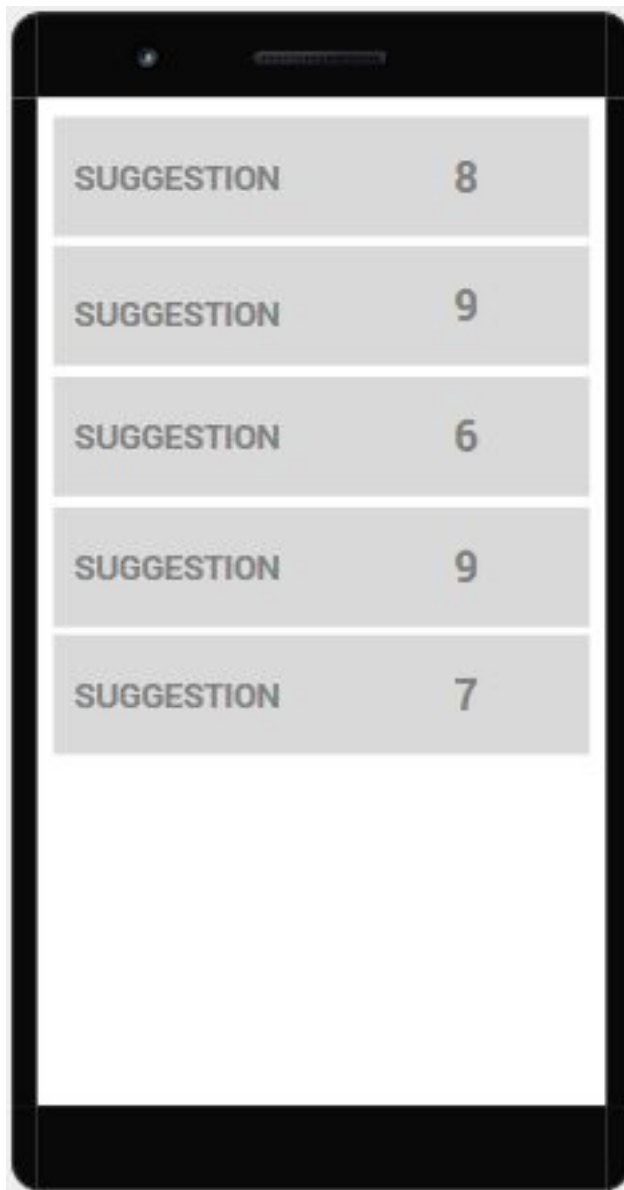
The button “post your suggestion” at the bottom brings up an alert dialogue , that takes the suggestions for the movie from the user and stores it in firebase realtime database .

Screen 6



On clicking the options menu on the top right hand side of the screen , shows the menu “Suggestions” that navigates to a new activity that displays the suggestions for that particular movie only .

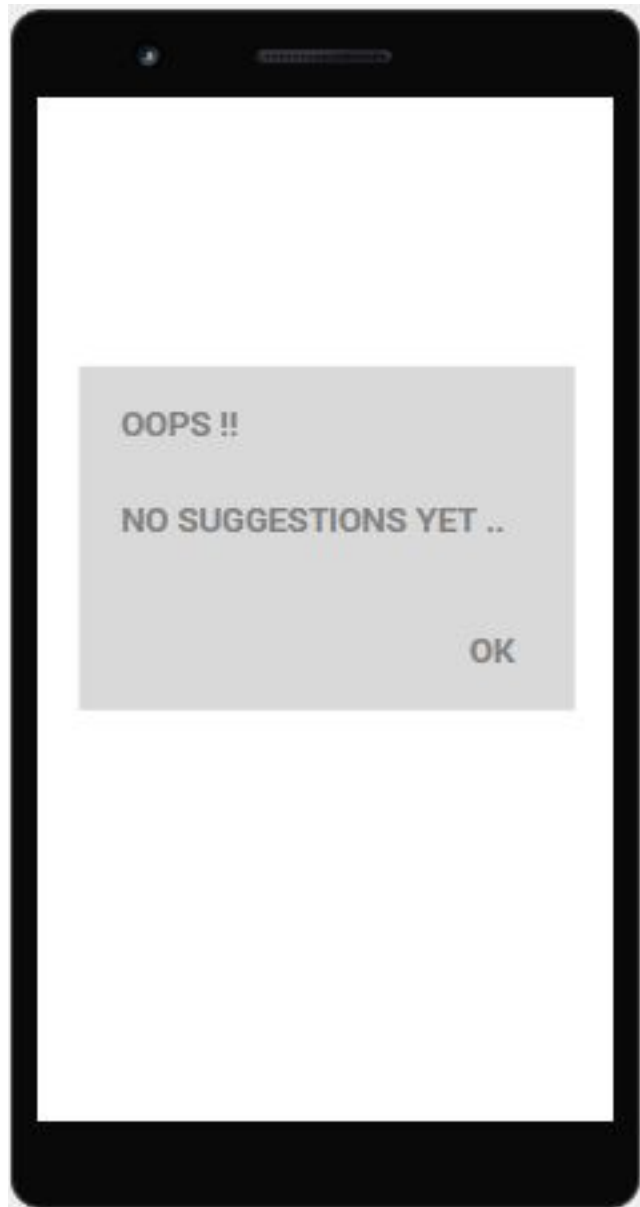
Screen 7



SUGGESTION	8
SUGGESTION	9
SUGGESTION	6
SUGGESTION	9
SUGGESTION	7

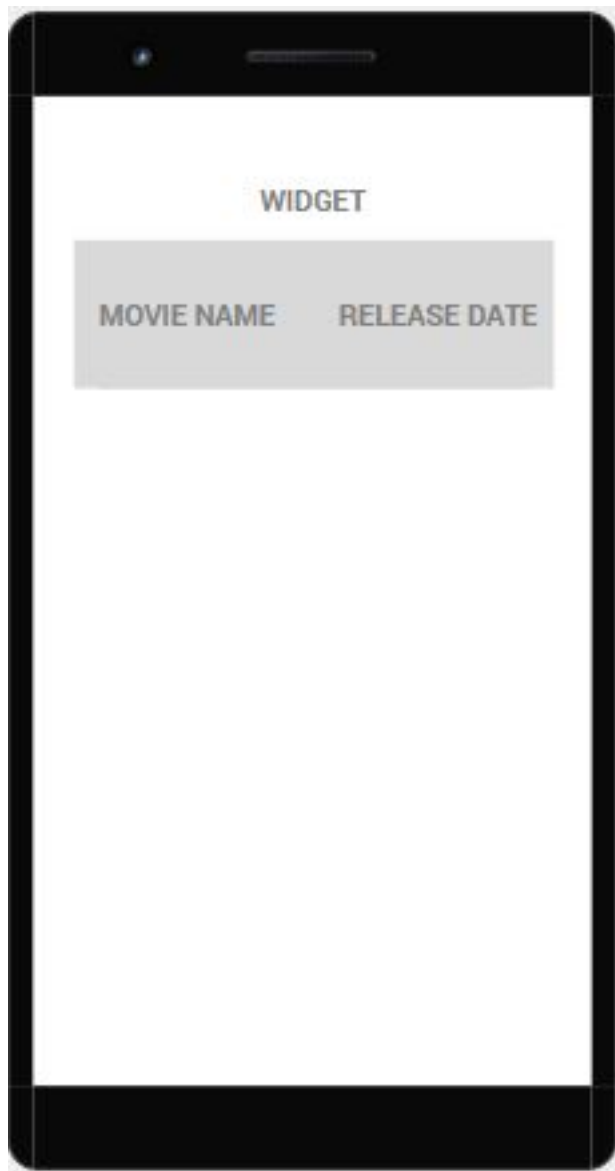
This activity shows the suggestions .

Screen 8



Incase there are no suggestions posted by any of the application users , then this is how the screen appears.

Screen 9



Widget screen displaying the recently viewed movie name and release date .

Key Considerations

How will your app handle data persistence?

This app uses Volley for fetching the data and uses firebase real time database for storing the movie suggestions

Describe any edge or corner cases in the UX.

- App will have a parental navigation button on the top left corner of the application using which the user can go back to parent activity.
- Displays alert dialogue to the user if no network connection or to take suggestions for a movie from the authenticated user.
- Options menu on the top left corner in the details activity that navigates the user to the movie's suggestions .

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

- Picasso : to handle the loading and caching of images – Version 2.5.2
- Volley for networking – Version 1.1.1.
- Upcoming movies api : to fetch the data of upcoming movies – from :themoviedb.org
- Firebase Auth: To Authenticate the user – Version 16.1.0
- Firebase Realtime Database : to store all users suggestions – Version 16.0.5
- Android Studio – Version 3.1.2
- Gradle Version 3.2.1
- Material Toast -Version 1.0.1

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

- Firebase Authentication to authenticate the user with email and password .
- Firebase Database to store the movie suggestions that is available to all the application users.

How app supports accessibility :

- Application uses proper grouping of elements in the container.
- Application uses content description in every possible view.

- Application maintains the proper view sizes .
- Suggestions can be posted only within the range of 1 – 10. which makes it easy to understand within no time.

How app support RTL Layout :

- Application enables RTL Layout switching .

Next Steps: Required Tasks

Task 1: Project Setup

- Creating new project and naming it as Capstone Stage1
- Configure the libraries , dependencies for app functionalities.

Task 2: Implement UI for Each Activity and Fragment

- Design layout for user login
- Design layout for displaying movie posters
- Design layout for displaying movie details .
- Design layout for displaying the movie suggestions .

Task 3: Authentication

- Implement authentication in order to use the application .

Task 4: Data Fetching

- Fetching the data from network .

Task 5: Database creation

- Add firebase database dependency .
- Store the movie suggestions in the database.
- Retrieves suggestions from the database

Task 6: Make the App Material

- Add options menu and check color scheme for Attractive user interface .
- Text will be attractive and readable in the design .

Task 7: Write the espresso UI tests to the application .

Task 8: Sign the application in release mode and submit the application .