

Movie App (React Native)

A feature-rich movie application built with **React Native**. The app allows users to browse movies, search for films, add reviews and ratings, manage their favorite movies, and track recently watched movies. It uses **Firebase Authentication** for secure login and signup.

Features

Authentication

- Login and Signup using **Firebase Authentication**.
- Error handling for invalid credentials or network issues.
- After login/signup, users are redirected to the Home screen.
- References: [Figure 2, 3]

Bottom Navigation

The app has **four main tabs**:

1. Home

- Displays movies in **four sections** 6: Top Rated, Popular, Now Playing, Upcoming.
- Supports **pagination** 7 to navigate through multiple pages.
- Clicking a movie opens **Movie Details** 11.

2. Search

- Shows **Trending** and **Upcoming** movies 8.
- Provides a **search bar** 9 to find movies.
- **Debounced search:** API requests are only sent after the user stops typing for a short period.
- Clicking a movie shows **Movie Details**.

3. Wishlist

- Displays all movies marked as **Favoriteef** 15 by the user.
- Movies can be added/removed from favorites directly.

4. Profile

- Shows **user information** (e.g., email).
- Sections for **Favorite** movies and **Recently Watched** movies.
- Logout button to sign out from the app.
- References: 10, 18, 19

Movie Details

- Shows **movie poster**, **director**, **genre**, **cast**, **overall rating**, and **reviews**.
- **Watchlist Icon**: Clicking adds movies to the **Recently Watched** section in Profile.
- **Add Review Button**: Opens a dedicated **Review screen** 13 where users can write a review, give a **10-star rating**, and publish it.
- **Favorite Button**: Toggle to add/remove movies from Wishlist.

Technologies Used

- **React Native** – Cross-platform mobile app framework.
- **Firebase Authentication** – User login and signup.
- **Redux Toolkit** – State management for movies, details, favourite, wishlist.
- **React Navigation** – Bottom tabs, stack navigation, and screen transitions.
- **TMDB API** – Fetch movie data including now playing, top rated, trending, popular, and upcoming movies.
- **Other Libraries**:
 - Axios for network requests
 - React Native Vector Icons
 - Pagination handling

Some Pictures

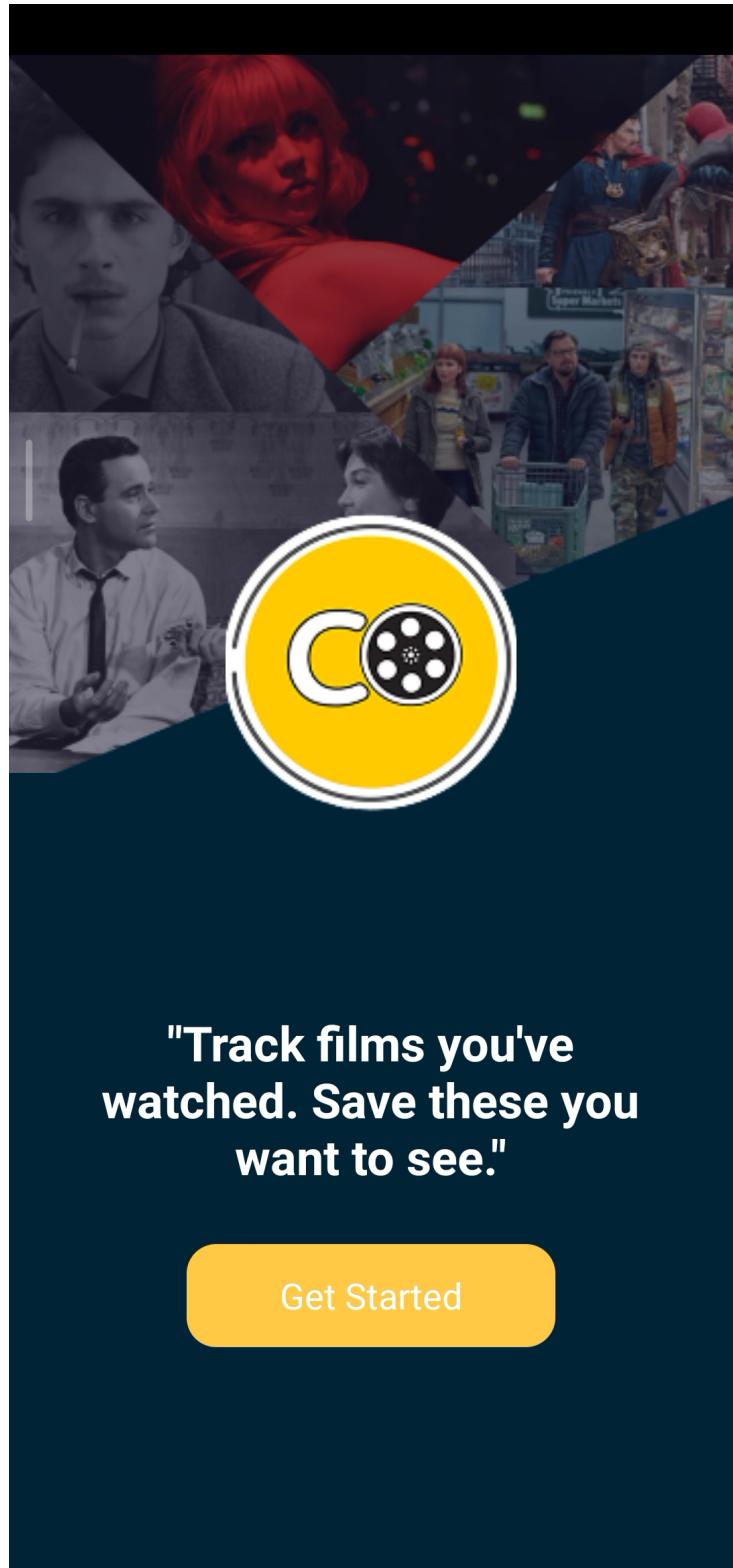


Figure 1: Welcome View

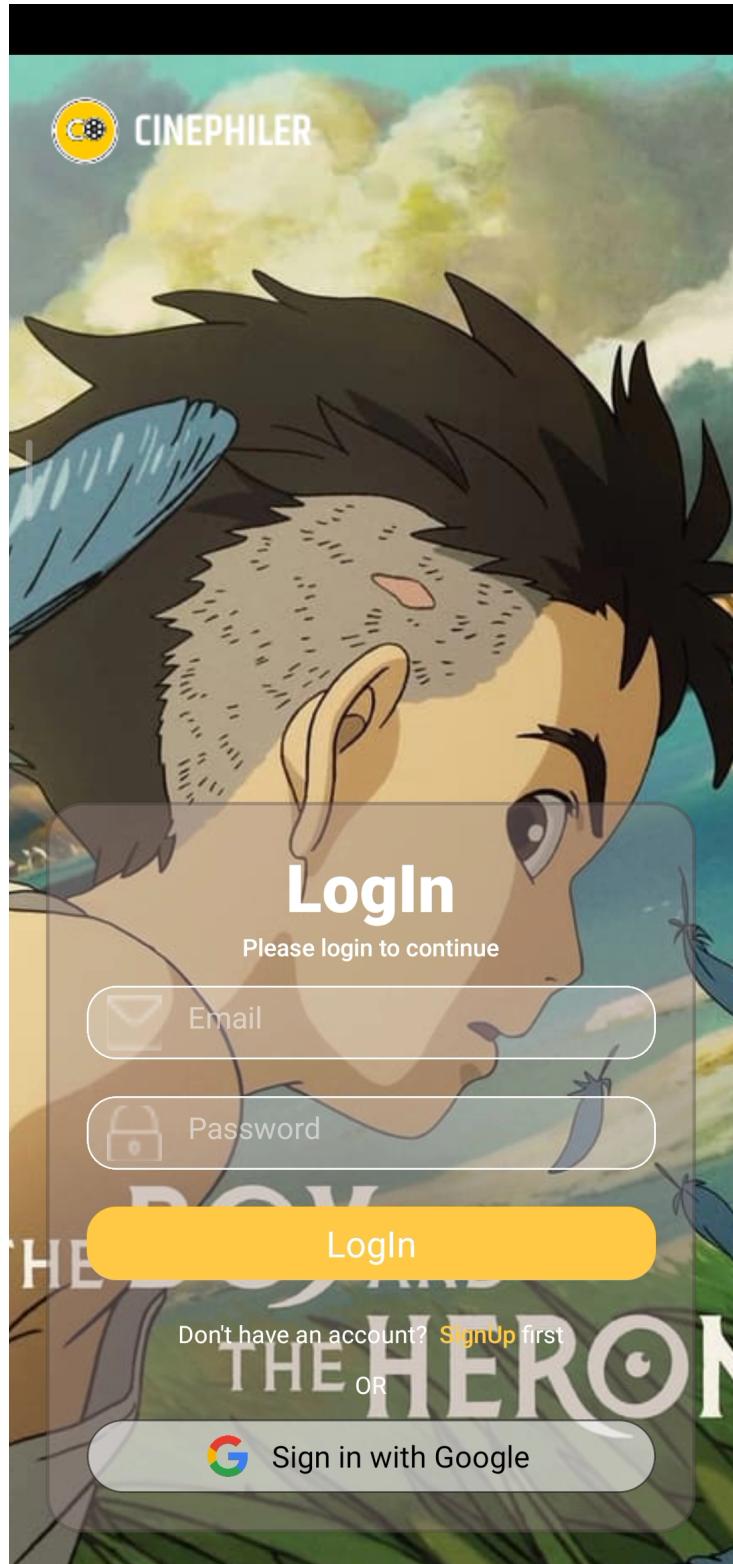


Figure 2: Login screen

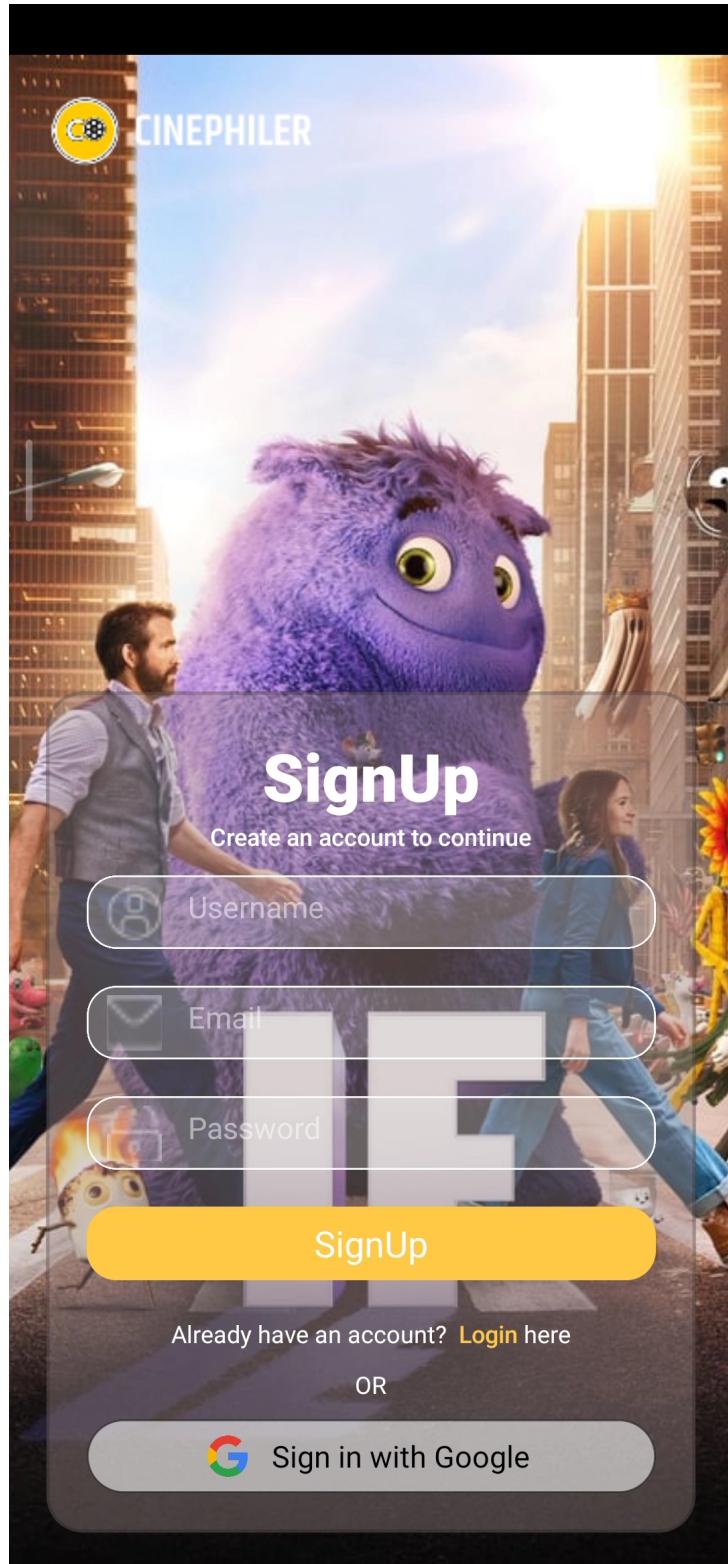


Figure 3: Sign up screen

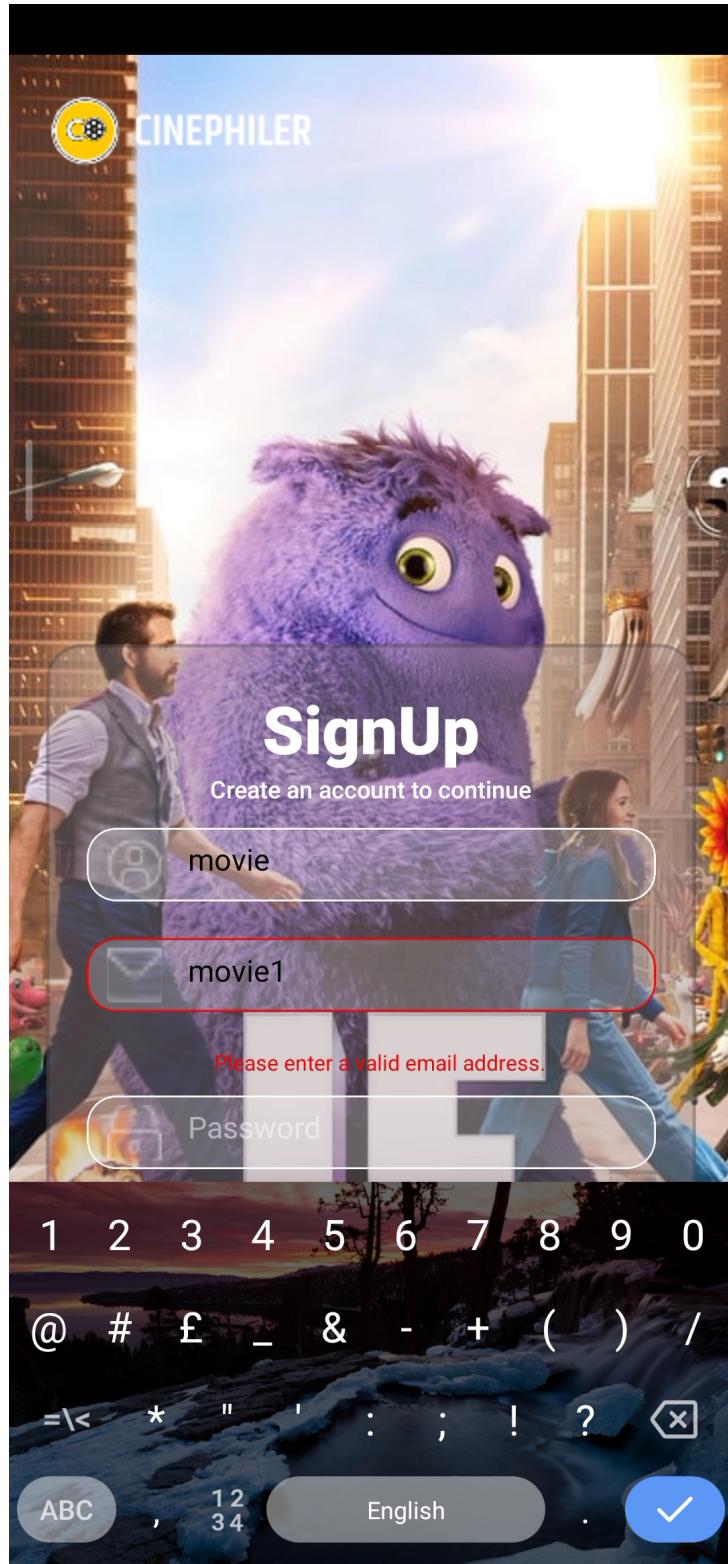


Figure 4: email validation shown in real time

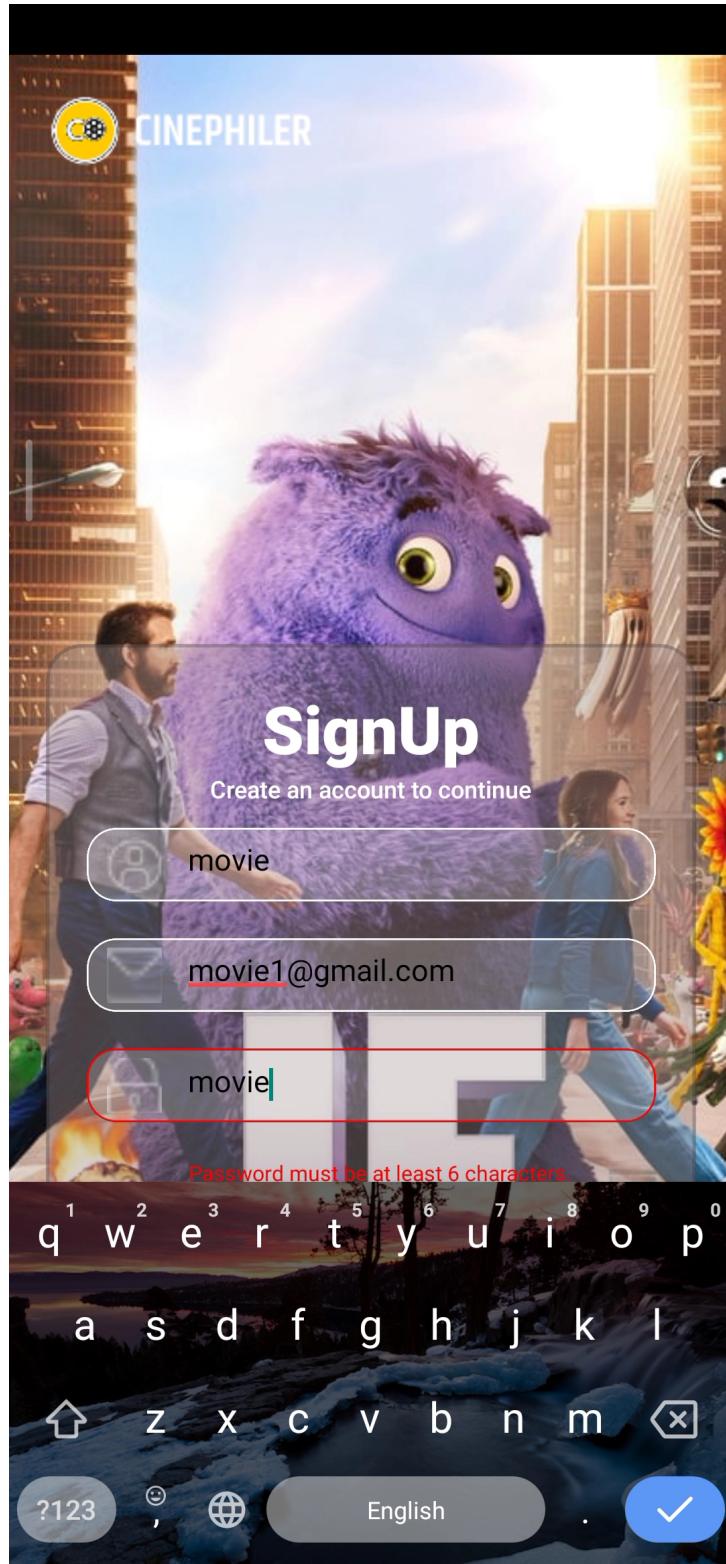


Figure 5: password validation shown

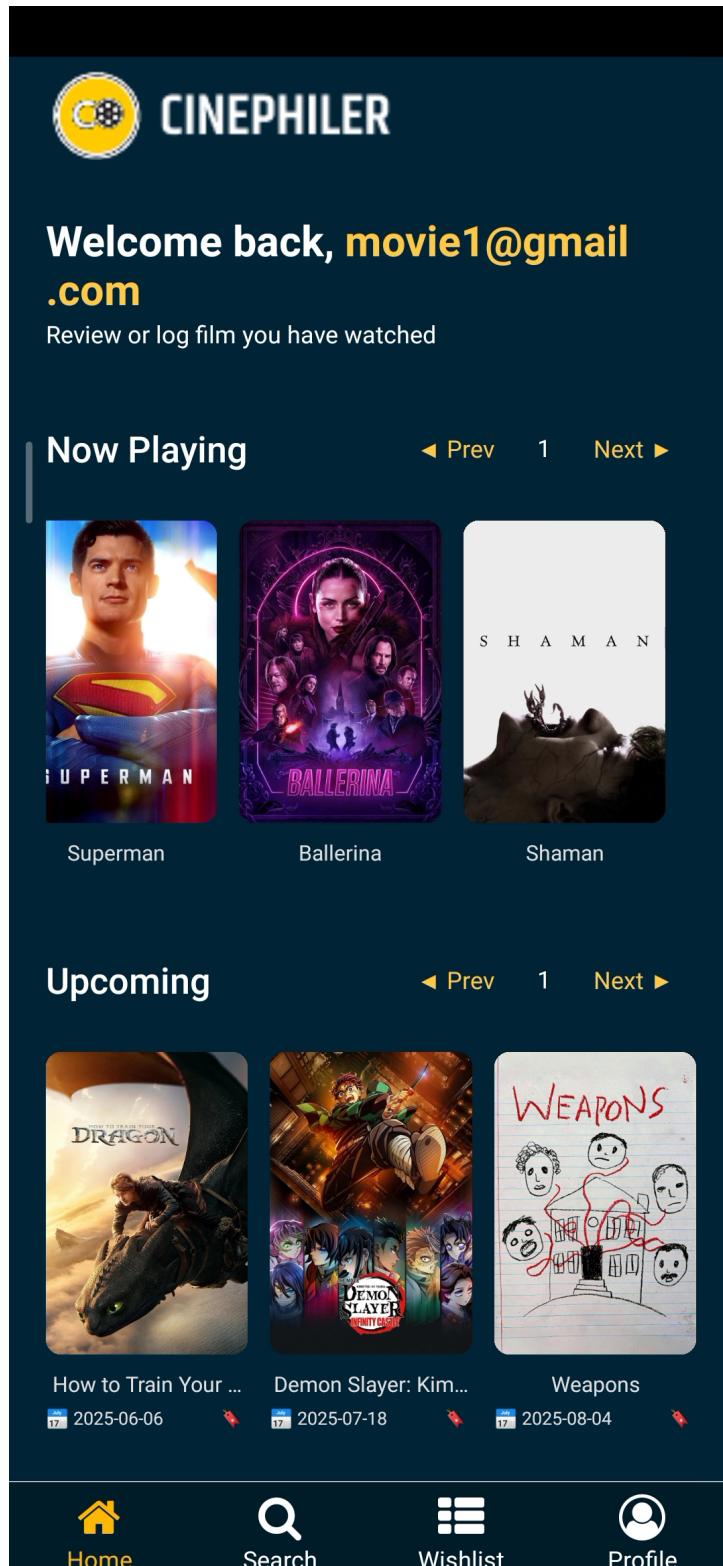


Figure 6: Home Tab

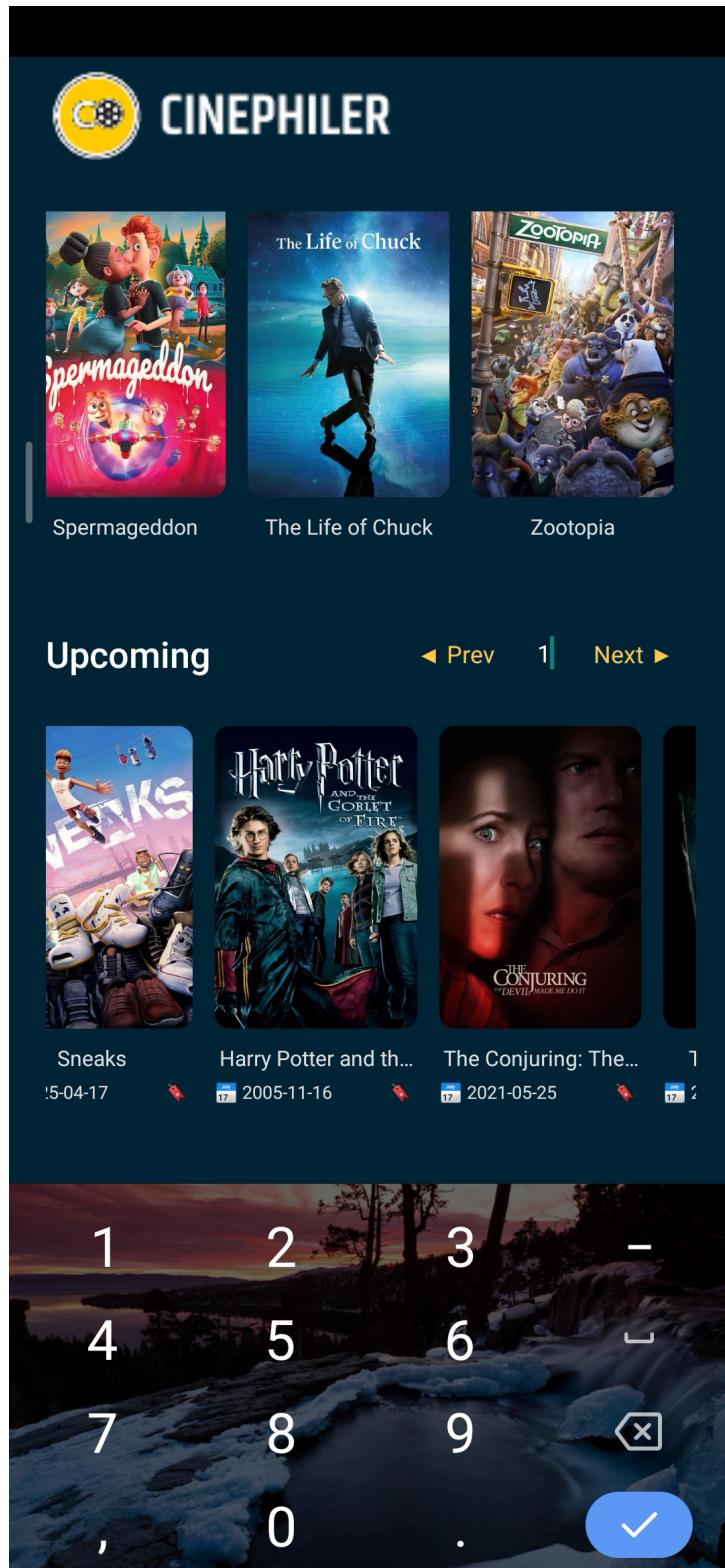


Figure 7: pagination i.e. prev, next or typing

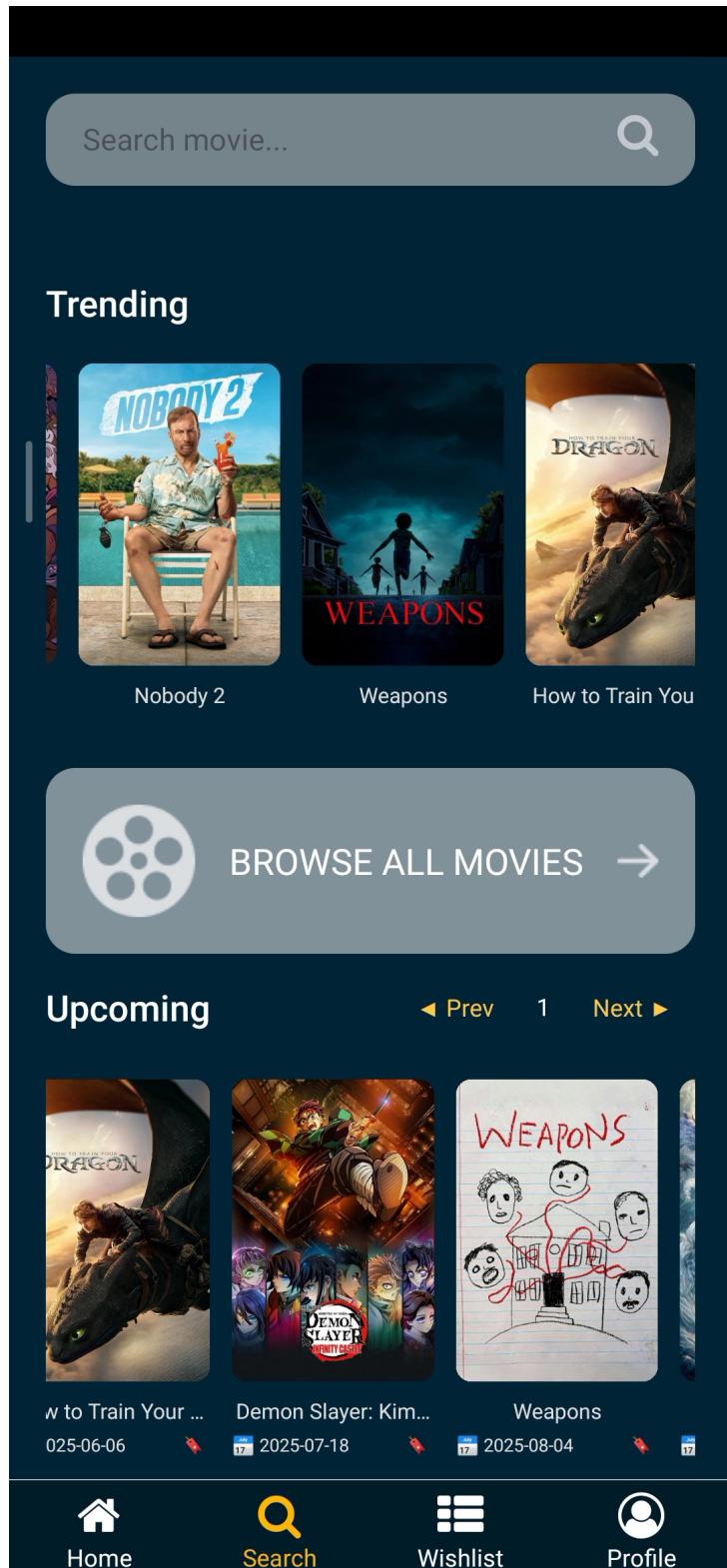


Figure 8: search functionality screen with trending and upcoming section

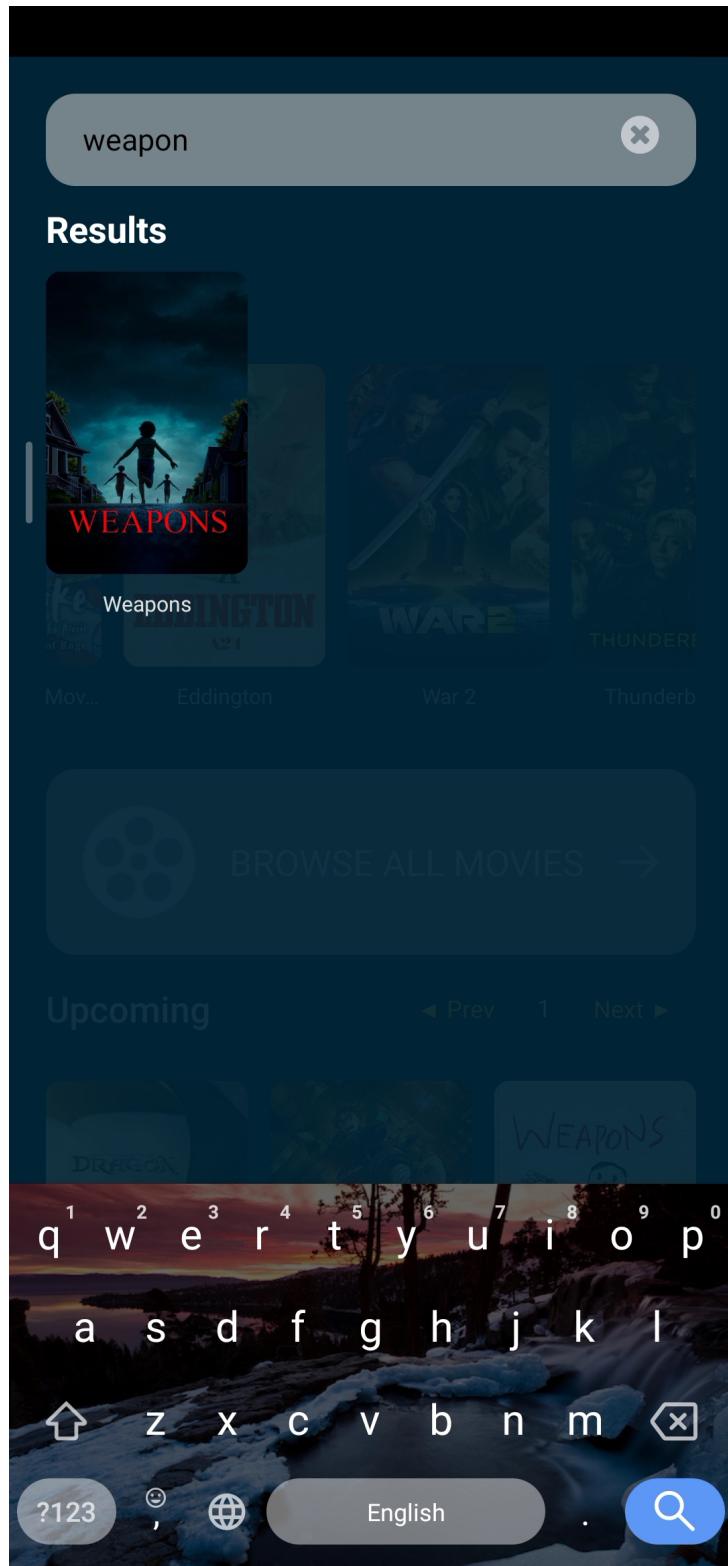


Figure 9: search result display

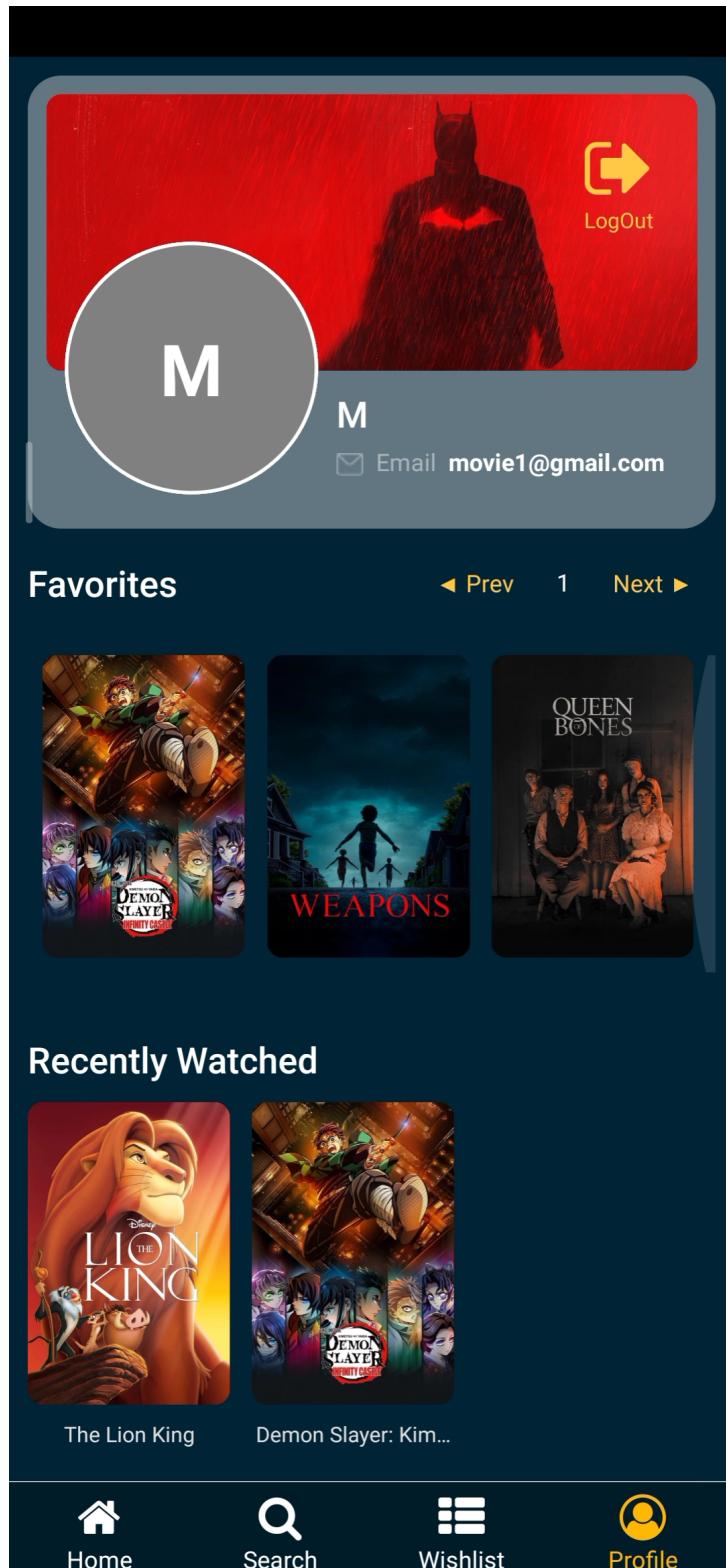


Figure 10: User profile along with favourite and watched section

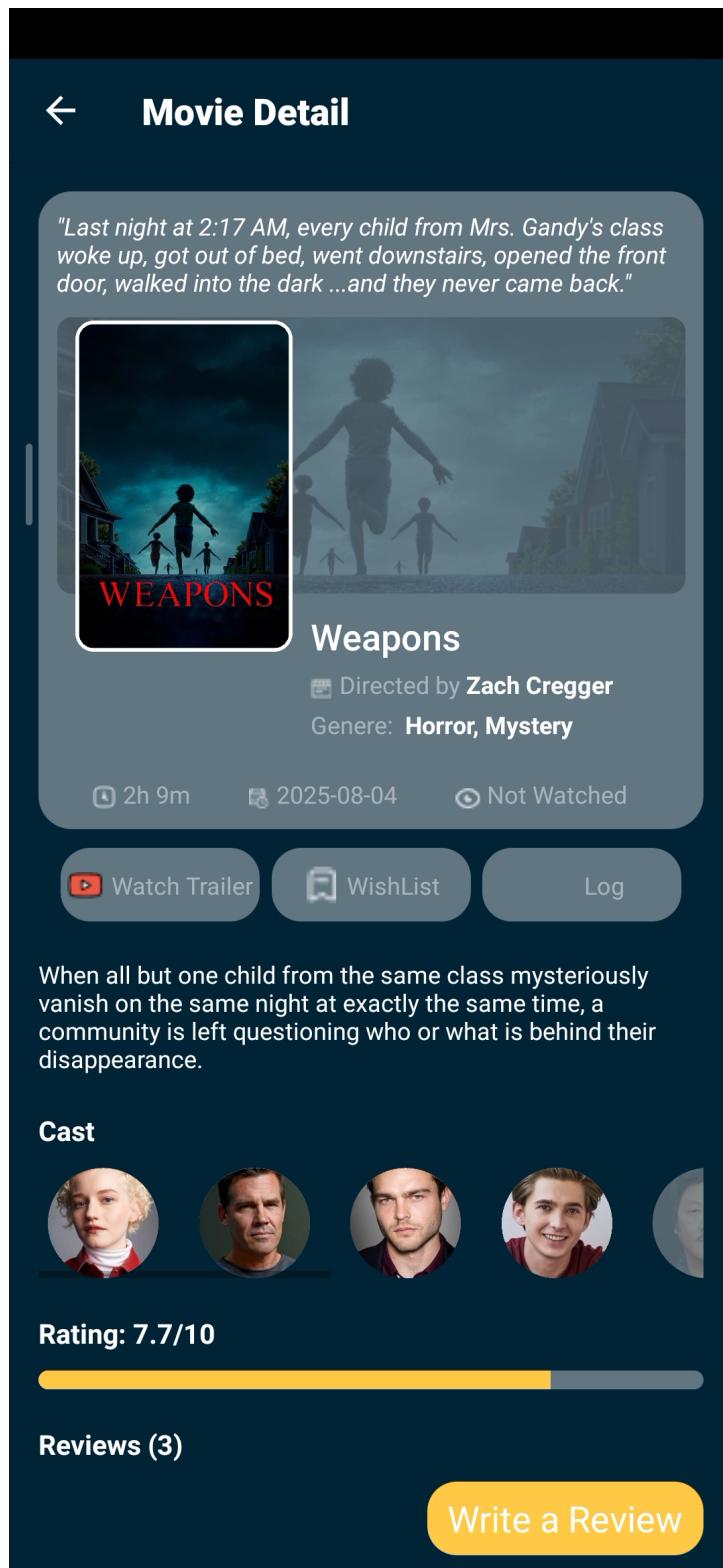


Figure 11: Displaying the details of movie i.e. title, director, gener, overview, cast, rating, review

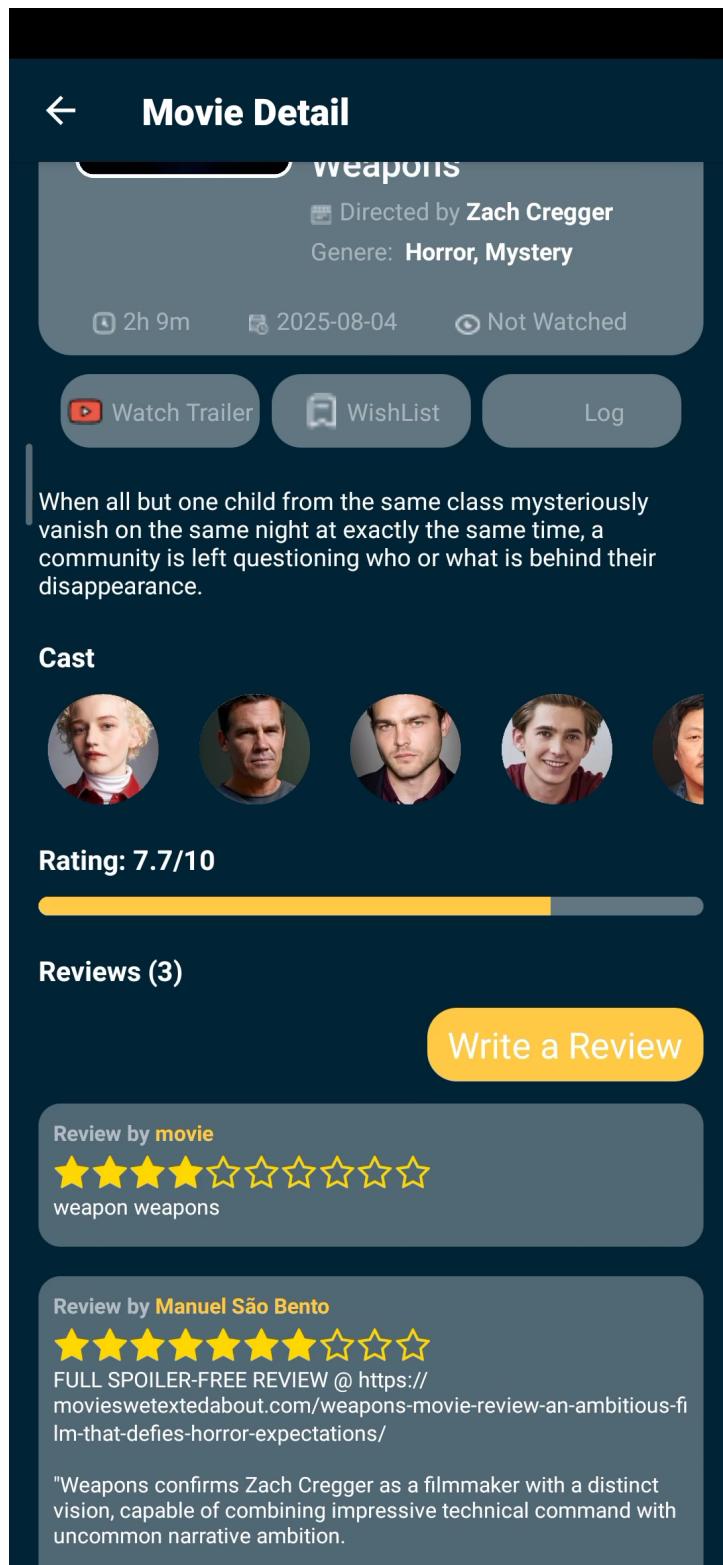


Figure 12: showing reviews

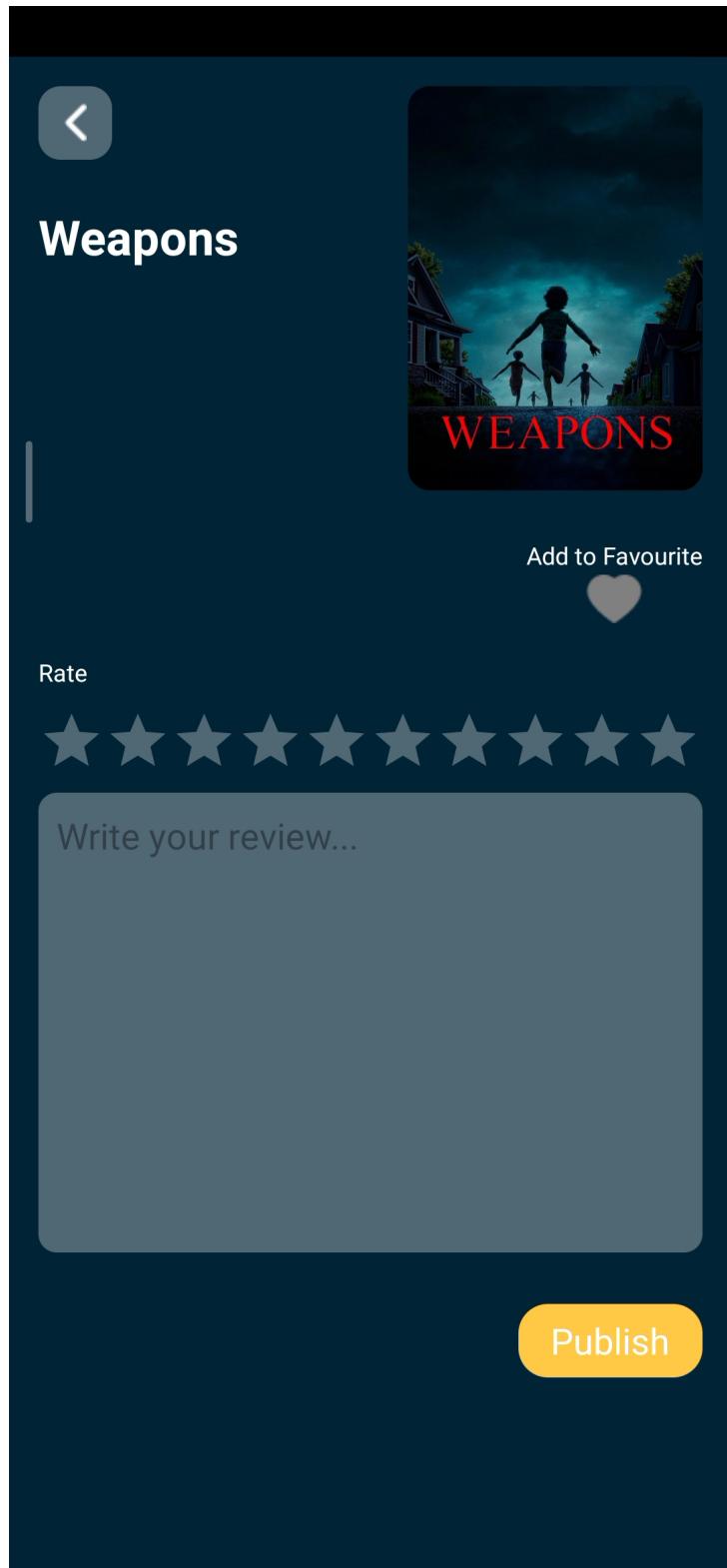


Figure 13: review screen to rate, favourite or review movie

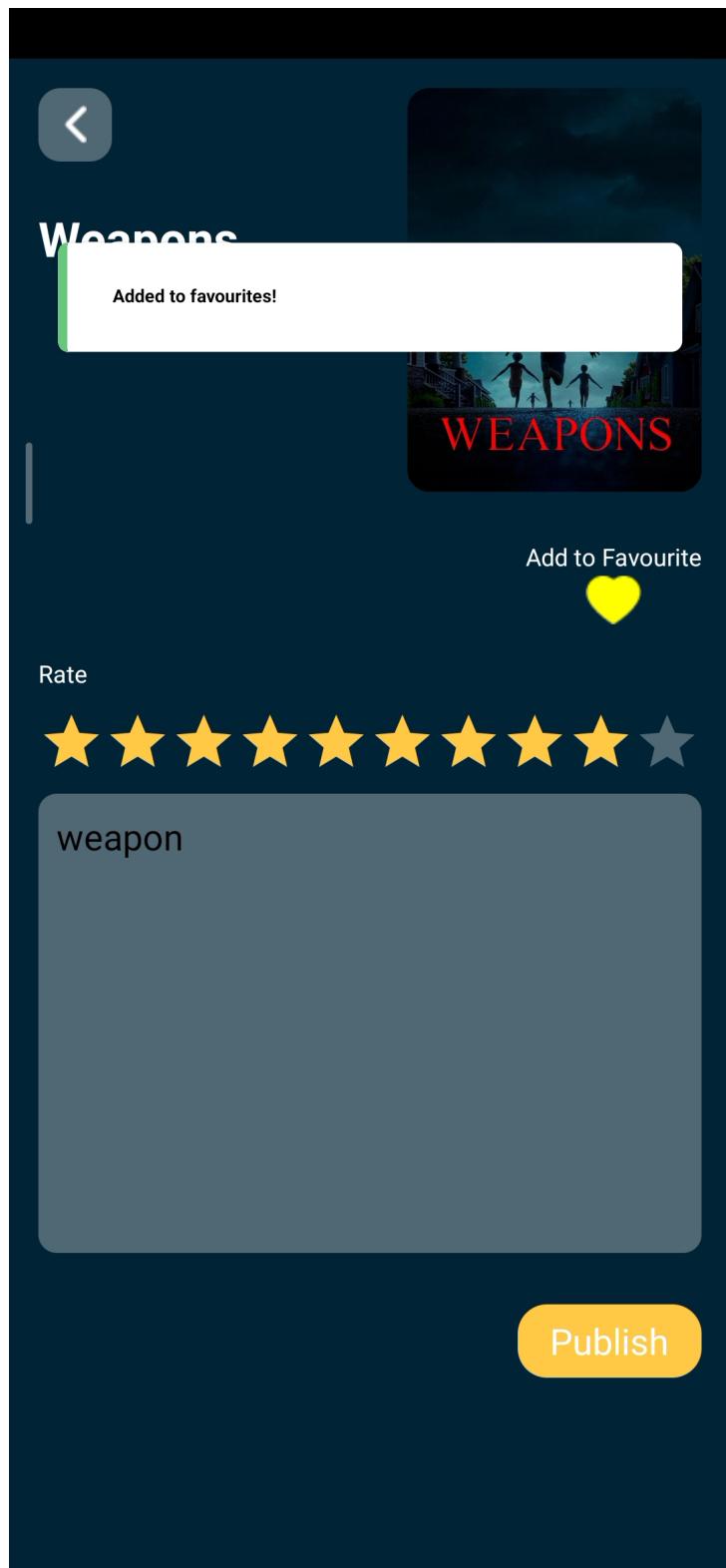


Figure 14: showing review write, give rating, added to favourite

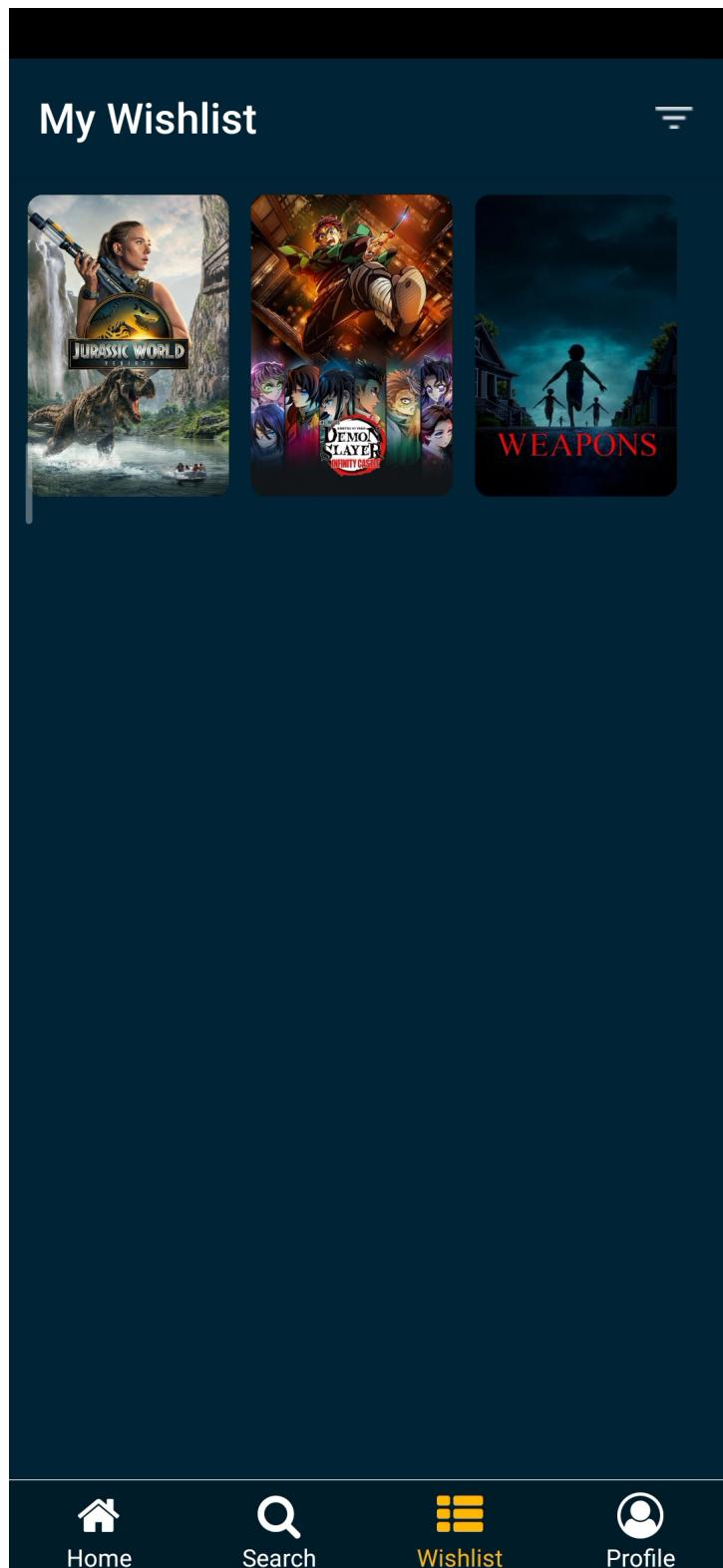


Figure 15: favourite moview shown on wishlist screen

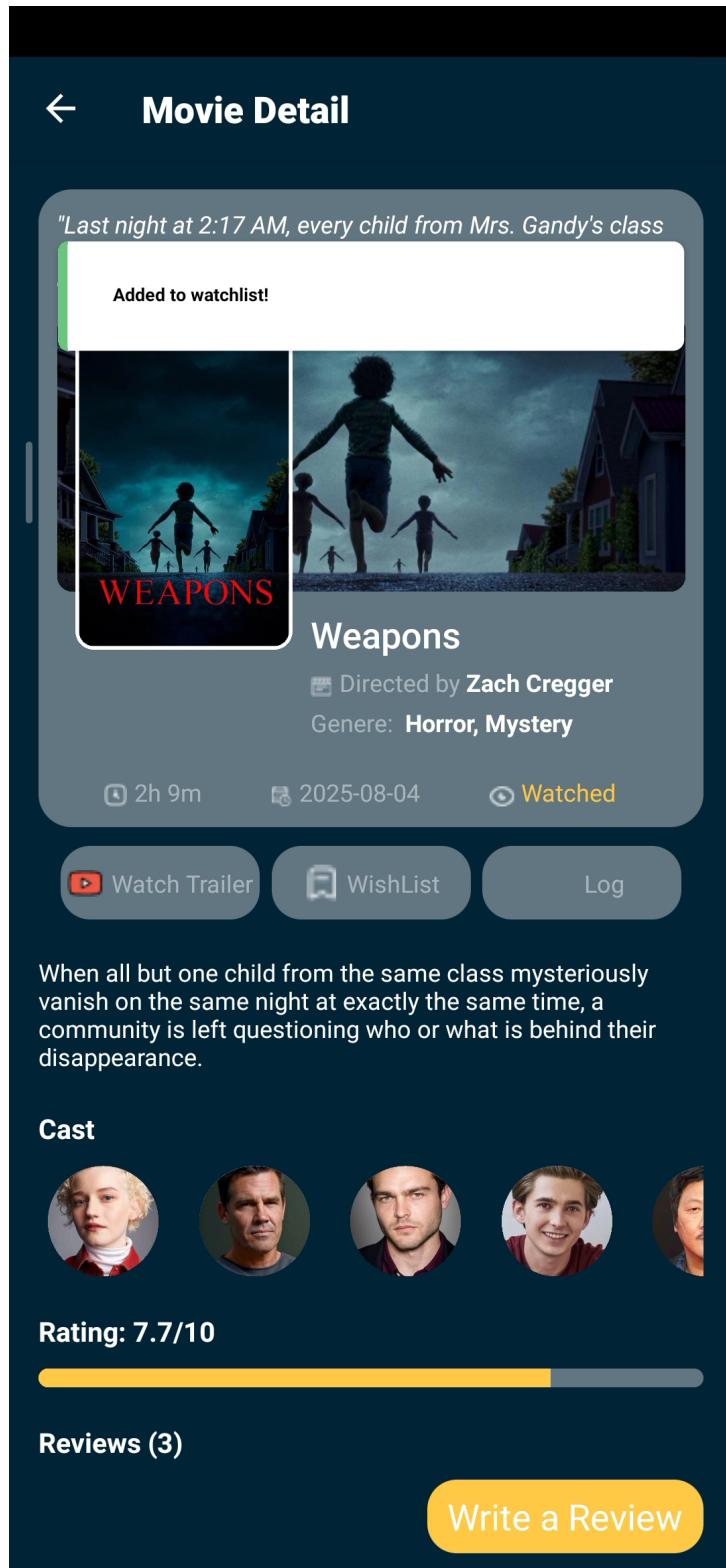


Figure 16: movie added to watchlist

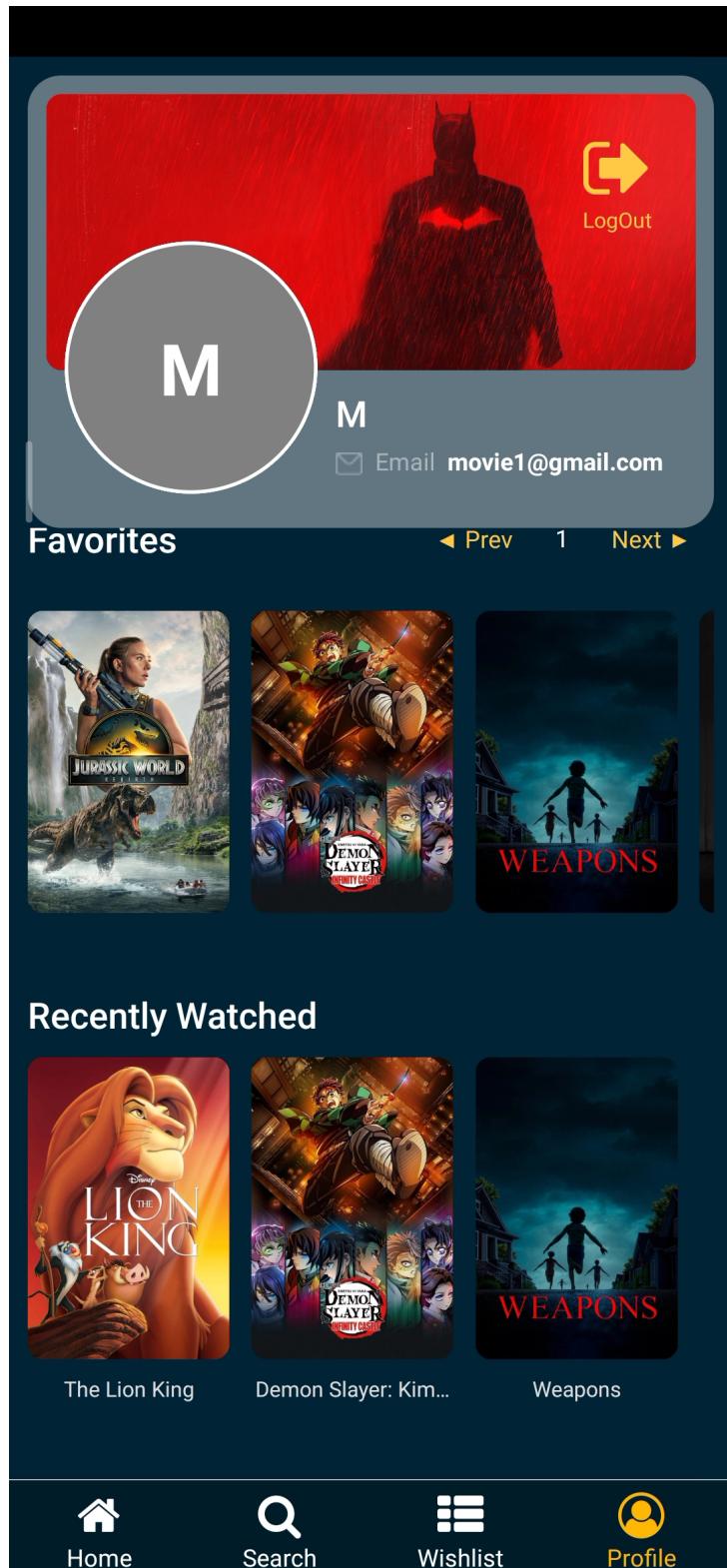


Figure 17: favourite and recently watched shown in corresponding sections of profile

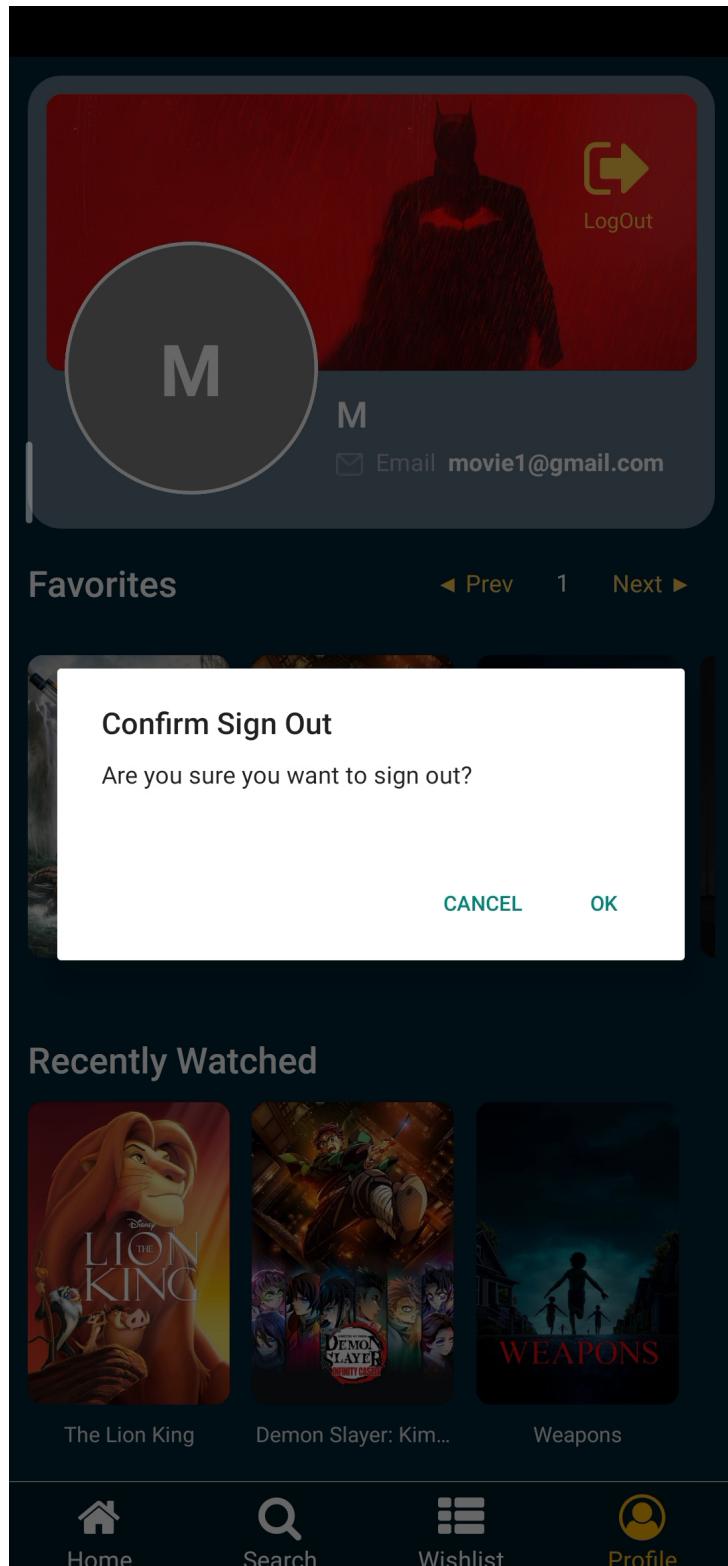


Figure 18: confirm for logging out of app

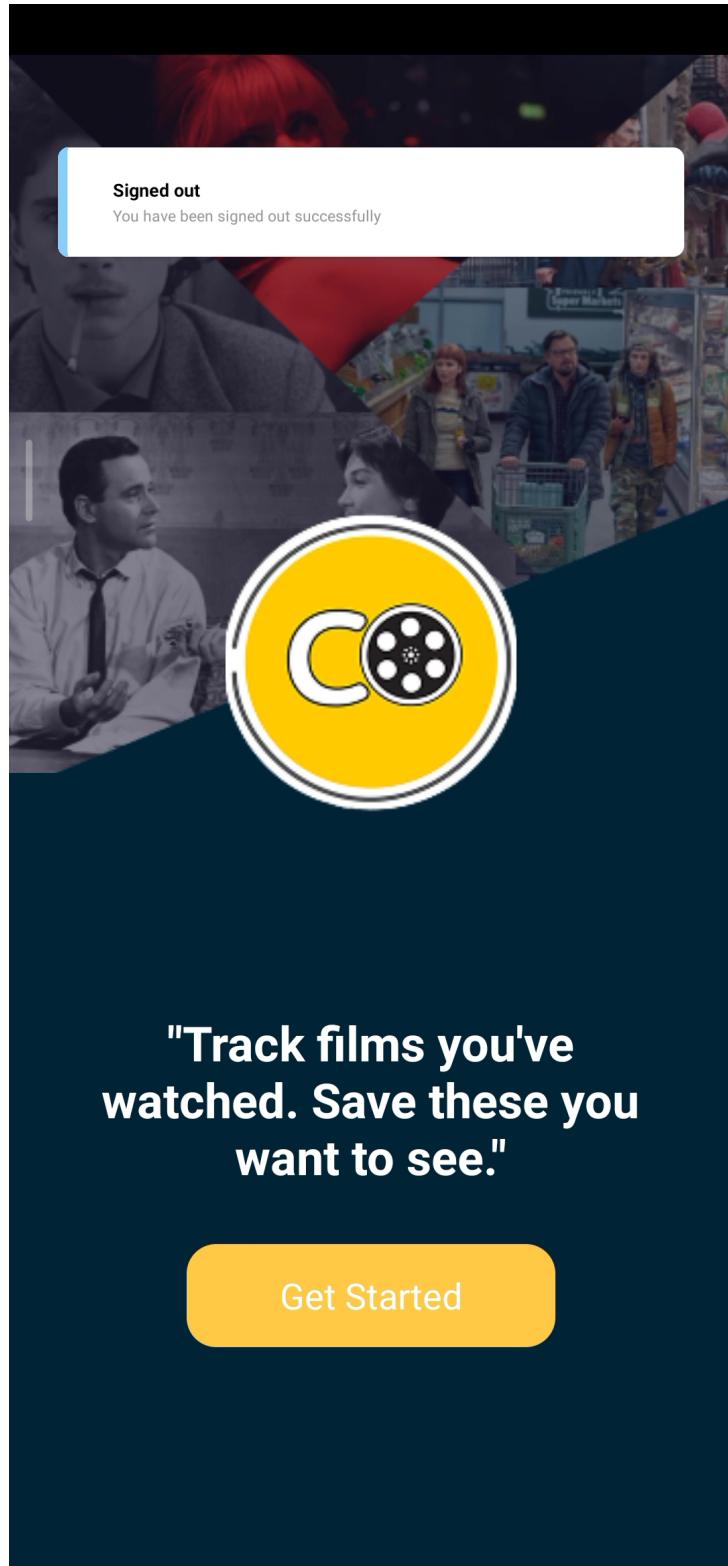


Figure 19: successfully logout of app