**Movie Browsing Application**

**Clone the Repository:**

git clone https://github.com/MahnoorWaheed/movie-browsing.git

cd movie-browsing

**Install Dependencies:**

flutter pub get

**Run the App:**

flutter run

**Testing Functionalities:**

1. **Initial Movie Fetch**:

* Once the app starts, it should automatically fetch the first page of movies from the API.
* The movies will be displayed in a grid format.
* You should see a **loading spinner** until the movies are loaded.

**Error Handling**:

* If there is an issue fetching the movies (e.g., network failure), an error message should be displayed.

1. **Testing the Movie Detail Functionality:**

* Navigate to the list of movies.
* Select a movie to open its detail page.

**Expected Results:**

* Details of selected movie (title, image, overview, release date, ratings) are displayed correctly.

1. **Testing the Search Functionality:**

**Search Bar**:

* At the top of the screen, there is a search bar.
* Type a movie name in the search bar and hit **search** (you can trigger it manually or with the return key).

**Search Results**:

* The app should show movies related to the search query.
* If no movies are found, you should see a message indicating that no results were found.

1. **Testing Favorites:**

**Note: In this app the authentication is not implemented so I’ve saved all favorite movies globally for every app user in the favorite collection.**

**Loading Favorites**:

* On app startup, the app should load any previously favorited movies.

**Mark a Movie as Favorite**:

* You can tap on a movie to mark it as a favorite.
* Verify that the movie gets added to the favorites list (ensure that it's stored in a Firebase).

**Removing from Favorites**:

* Tap on a favorited movie again to remove it from the favorites list.

1. **Testing Dark Mode/Light Mode Functionality:**

**Navigate to the Settings Screen**:

* Open the app.
* Go to the **Settings** screen where the dark mode/light mode toggle is implemented.

**Toggle Between Modes**:

 Turn **ON** the dark mode by toggling the switch. Observe that:

* The app's theme changes to dark mode.
* Backgrounds, text, and UI elements adjust for optimal visibility in dark mode.

 Turn **OFF** the dark mode to return to light mode. Observe that:

* The app's theme changes to light mode.
* Backgrounds, text, and UI elements adjust for optimal visibility in light mode.

**Verify State Persistence**:

* Exit the app and reopen it to verify that the selected mode (dark or light) persists.