



**STUDENTS' UNION
TECHNICAL TEAM**

Student Union Technical Team
Recruitment
Application Development

Second Task

Important



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- There are **no UI specifications**, but you will be given **brownie points for good UI**
- The **primary focus should be on the functionality**
- You should **submit the task even if it is incomplete**. If you don't submit we can't even think about your recruitment. Only if you submit things can proceed.
- You have to **maintain a GitHub** which has to be **updated daily**. There are **points for that**.
- The **deadline** for the task is **23rd June, 2023 EOD**. **No extensions** will be provided in any case whatsoever.

Happy Coding!! ;)

Overview



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- Task is to create a movie search app, using the free **Movie API**
- Routing should be done using **GoRouter**
- State Management should be done using **Riverpods**, not using `setState` anywhere
- App should use **the following Folder Structure**
 - ◆ UI
 - ◆ Models
 - ◆ Data Storage and API Calls
 - ◆ Logic
- All data requests should be asynchronous. The **app should never freeze** while loading data. Use a **loading screen whenever required**.
- The app's UI should be **responsive** (It should work across a variety of screen sizes, aspect ratios. You can use the **device preview package** for testing this.)
- All the data has to be stored in **Firestore Database**
- The app should **cache** its **API responses**, and use them if it doesn't have an internet connection. **Offline First**.



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First Screen

- The first screen should be the splash screen
- The screen should redirect to the login page if the user is not logged in else, they should be directly redirected to the home page

Second Screen

- Login page both sign-in and sign-up should be implemented via Firebase
- Sign-in and Sign-up should be implemented for Google Sign in

Third Screen

- Home page: Displays the catalogue of all liked movies and search feature
- On clicking the search button, all the relevant movies should be visible, not just the liked ones.
- Tapping on any card would open up a details screen



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Fourth Screen

- Details Dialogue: The "screen" displayed as a dialogue and not a screen
- The following details have to be displayed
 - ◆ Name
 - ◆ Year of Release
 - ◆ Poster/Fan Art
 - ◆ Audience Rating
 - ◆ Tagline
 - ◆ Age Rating
 - ◆ Description
 - ◆ Watch the trailer
 - ◆ Like Button
- The poster/fan art should be displayed in Carousel format along with indicator
- Rating to be normalised to 5 and displayed by filling stars
- The description should initially be collapsed, but the user should be able to click on it to expand it further.
- Watch the trailer button should redirect you to YouTube

Good Luck!