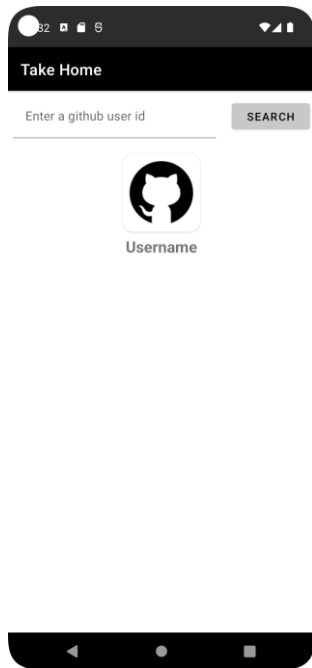# Take home assignment

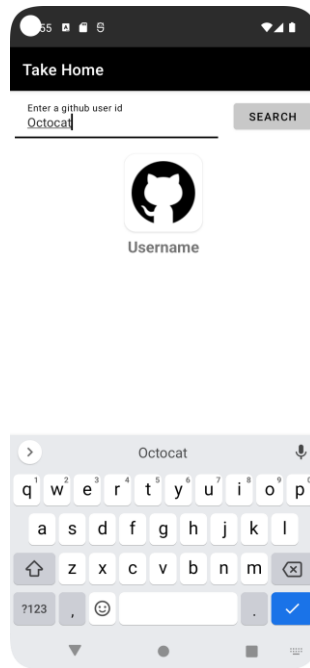## Completed all the given Functional Requirements

- The app will accept a GitHub user's id as input and display the specified user's avatar and name.
- For each public repository owned by the user, the app displays the name and description in a scrollable list.
- When a repository item is clicked, a card pops up with additional information such as when it was last updated, how many stars it has, and how many times it has been forked.
- An additional function to detect the Internet has been implemented, so when a user goes offline the app shows a popup to refresh.
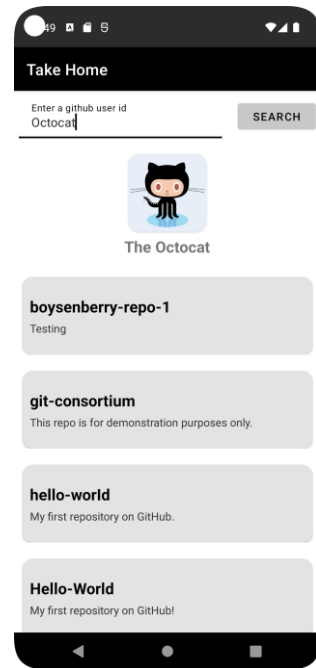
Design

- Replicated the UI and behaviour of the app as mentioned with subtle changes in layout design and colours.
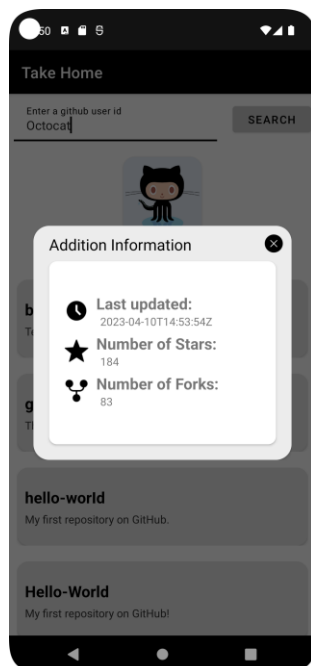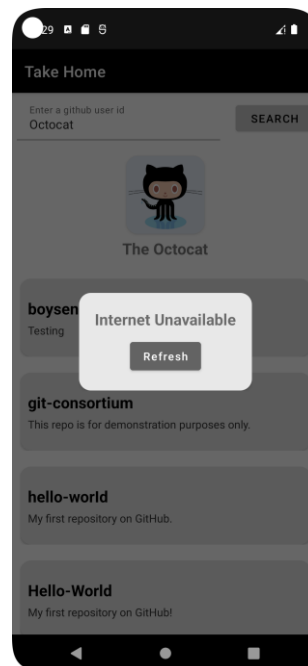- Below are the app layout screenshots,

Home Activity

Search User

Get User's Public Repositories
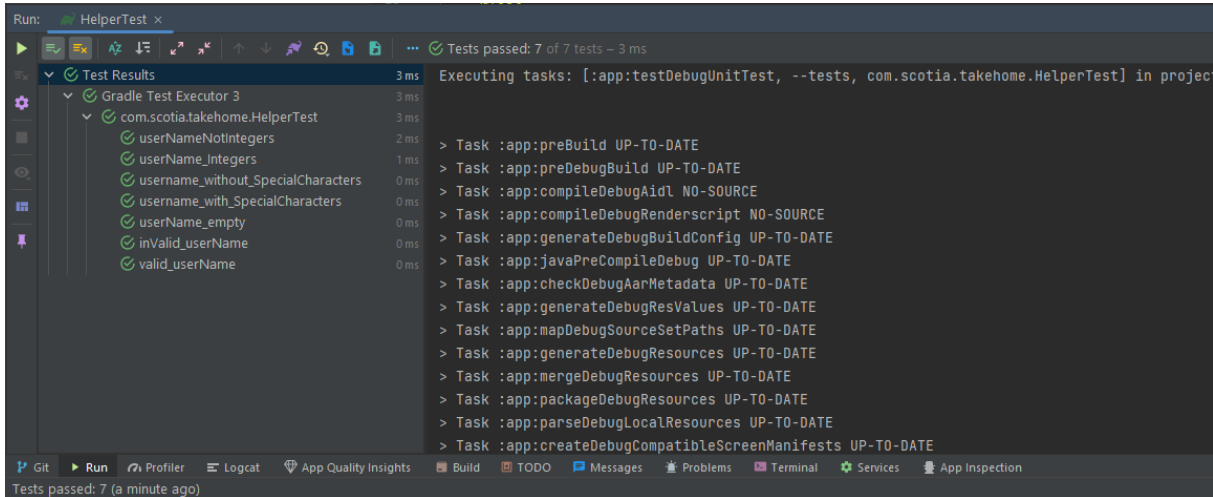

Custom Dialog View

Detects Internet connectivity

Architectural Pattern

- The app has been developed using the Model-View-ViewModel (MVVM) architectural pattern with precise and clear comments for every implemented functionality.

Testing

- The app has been tested using the automated JUnit tests with multiple test cases as shown below and also manually tested using phones with different screen resolutions.

JUnit Test cases

Source Code

Link:

https://drive.google.com/drive/folders/1ujv-rUu-rtjRd94UJG3RHGdYvNgUBhFe?usp=sharing

Screen Recorded Video

Link:

https://drive.google.com/file/d/1100OBnm0ySGjL-NG-QwrcsRCI1Bu6-16/view?usp=share_link