GIT Mobile

Problem Statement

- Git is a great platform to store our code and achieve version control, such feature is not under mobile phones is disappointment as mobile phone can also do coding and such things now. Some example are tablets and mobile phones with smart screening plugins.
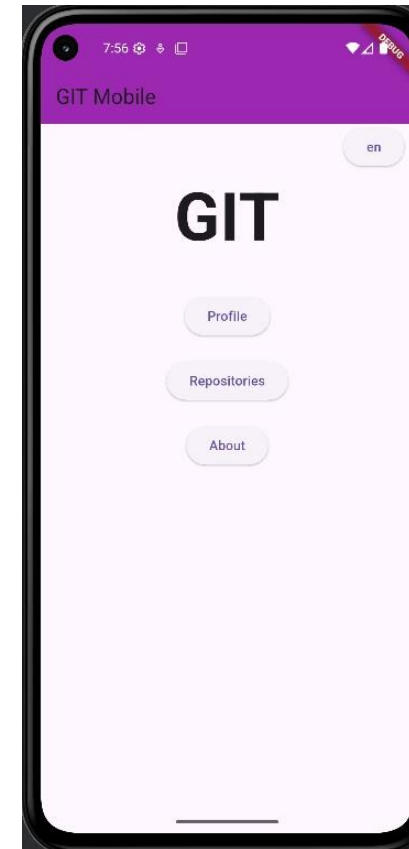
Solution

▶ The only solution for such cases are to develop a application specifically for mobile phones.

▶ Whether they are android or ios supporting the git for any os is a magical thing.

▶ So, by developing a application using flutter for multiple platforms (cross platforms) without diluting its performance.

Application Features

- Git Mobile contains various features that are essentially used in normal git page. Aside from having restriction on codebase for limiting scripts unable to perform in application, everything is actually made using flutter unique component and features.

- It has the feature to create a new repository with specifying public or private repository.

- Profile page that lets you sign in to a user and create a separate storage system.

- Localization of languages that are easier for people to work on.

Localization

▶ Localization for Easy use for multiple languages can work as an alternative for people who loves application to be made in their own language.

▶ It also helps others Navigate and understand the application even better.

▶ Native users of the selected language choose it from language button on top right corner.

▶ With just a click the whole application will inherit the chosen Locale as their language.

- Various languages can be implemented for the specified Native users.

- Now English as common language, Spanish and French are included as a Locale in application.

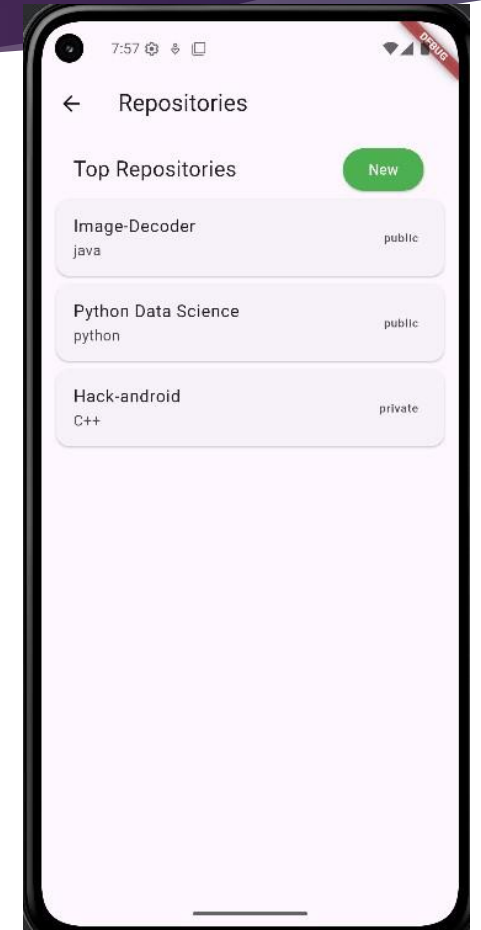- People can easily Navigate to their desired page with help of the Language module.

Profile Page and Local Storage

▶ Profile Page that lets you connect as a user so you can log as you wish.

▶ By using the Local storage to save your profile and retrieve them when user clicks the profile page.

▶ And once a user close the app the log in data persist with the help of local storage only when user log off the local storage clears the stored data.
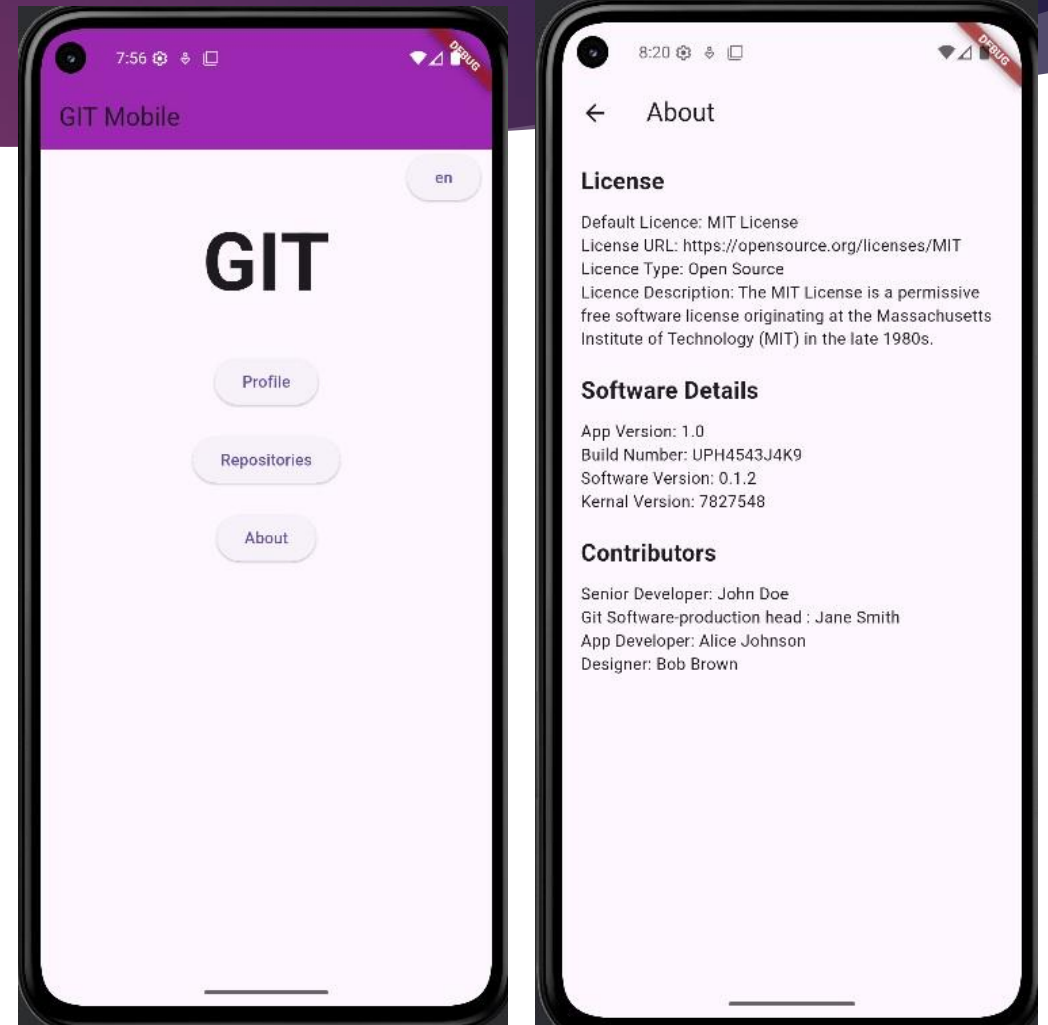
Repository and Firebase

▶ Repository has a Firebase connected to it so when user clicks on Repositories the application connects to the Firebase database and retrieve the stored repositories.

▶ Once there is any change in repository the application detects and reflects it without user needs to reconnect the firebase again.

▶ There is also a "New" button to add a new Repository that lets the user add more repository to the Firebase with fields to set Name,access,and language to be used.

About App

▶ The Application has its own properties described on a about page that displays every details that an application can provide their users.

Conclusion

- This is the application that is used for accessing git using mobile with the help of the Git Mobile made using flutter.

- Thus, the application for android and ios using flutter can be created and used in every mobile platforms.