Upstock Android App

Report

FROM

BTech CSE (P132L)

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Transforming Education Transforming India

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096

GitHub Project Link:

https://github.com/gopi76/stock-browser

Google Drive Link:

https://github.com/gopi76/stock-browser/blob/main/12115851%5BCSE226%5D_096_Stocks%20Browser.mp4

CSE225 (DEVELOPING ANDROID APPS):

- Splash Screen

- Progress Bar

- Intents(both explicit and implicit intents)

- Loading

- Notification

- Navigation Drawer

- Rating Bar

CSE226:ANDROID APP DEPLOYMENT

- Floating Action Buttons

- Maps-Geo coding

- Room database

Other

- Firebase Authentication

- Alert Dialog Box

About Project :

Sign In through Google : This application allows user to sign through their google account and the user data is saved in my firebase.

Mode : User can change their app into light/dark mode at the starting of the main page.

Rating Bar : User can give rating and after clicking the submit button. A small notification will come at the top of the screen.

Feedback : User can fill their queries and after clicking the submit button. This data will come to my database. If it is success it will show success tick mark image before that loading dialog will appears. Reset button is to reset the edit Texts in this section.

User Account : It is for user profile and data.

Logout : User can logout from the app before that alert dialog box appears to confirm for logout.

Floating Action Buttons(FAB): It is having small logo like + , it contains 3 buttons make call (to call customer care), open map (to locate their location), and website(like company website related to stocks).

Exit the App: this section is for to exit the app. User can go outside the android app without logout button.

UpStock Data :

It loads stock market data from multiple 3rd party APIs and stores them in a local database. Then it allows users to search, browse and mark favorite items. This app uses MVI (Model View Intent) architecture pattern.

Architecture follows principles of separation of concerns. App is divided into 3 main layers, every one with its own responsibilities.

UI Layer displays application data on screen using Jetpack Compose. It also holds the state of simple components as text fields.

Domain Layer is responsible for encapsulating complex business logic, or simple business logic that is used by multiple ViewModels.

Data Layer contains application data and business logic.