

User Manual

Description - TakeThat is a social media app that runs on android phones. The code is written using flutter which utilizes the Dart language. Flutter also provides access to the firebase console which provides tools such as storage,database, and authentication. Firebase is hosted in the cloud and provides real time updates to each of these systems. Using this system TakeThat offers the ability for users to add friends and create a story page. This story page is a culmination of daily prompted photos that have a fresh prompt each day.

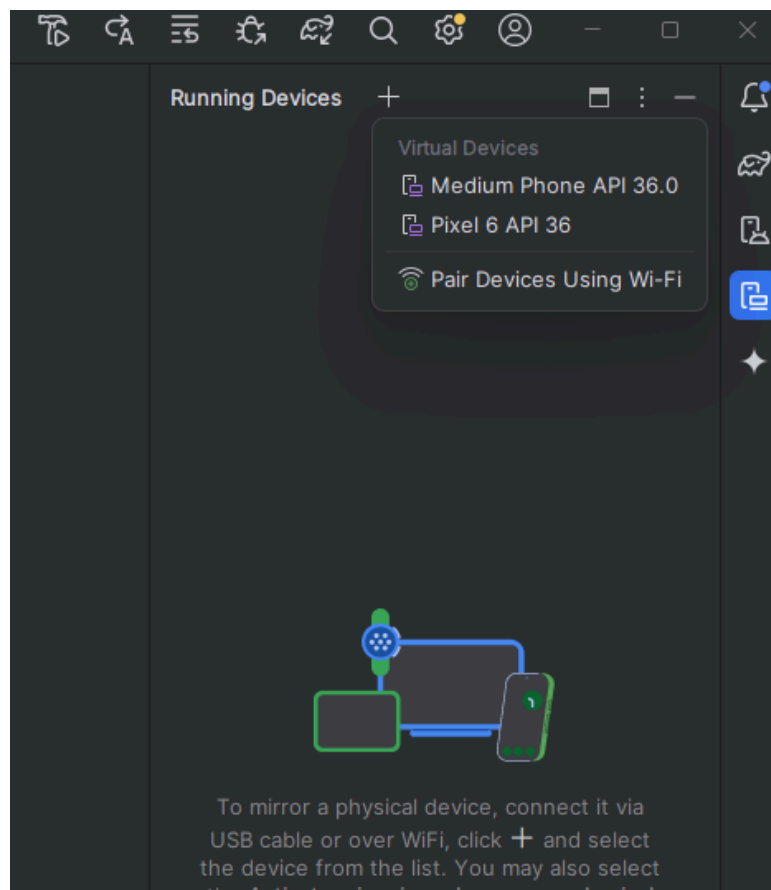
Required tools -

1. Android Studio
2. Flutter SDK
3. IDE (In this case VS code is recommended)
4. Firebase Account

Installation Steps

1.

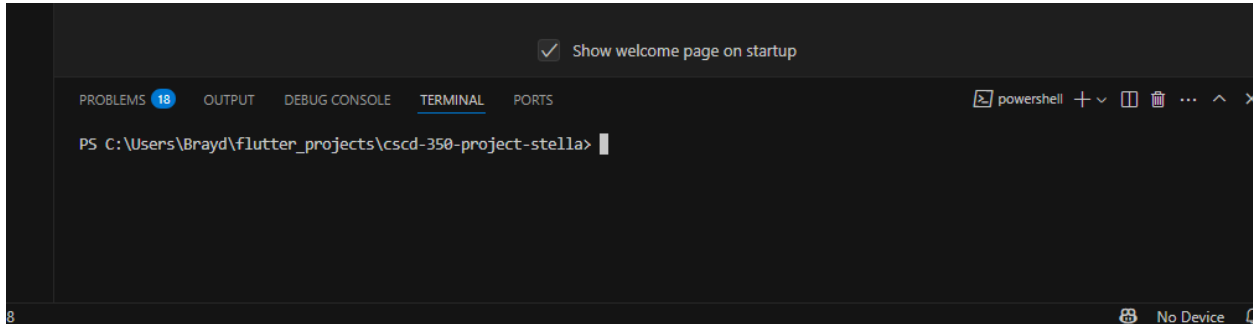
- For Android Studio follow steps in this link <https://developer.android.com/studio/install>
- Once installed visit the top right corner and add a device which will be an emulator for our code to run on



2.

- Flutter SDK install link <https://code.visualstudio.com/download>
- VS Code install link <https://docs.flutter.dev/get-started/install/windows/mobile>

3. Once all prerequisites are installed copy the repository from our local github and travel to that directory in VS.

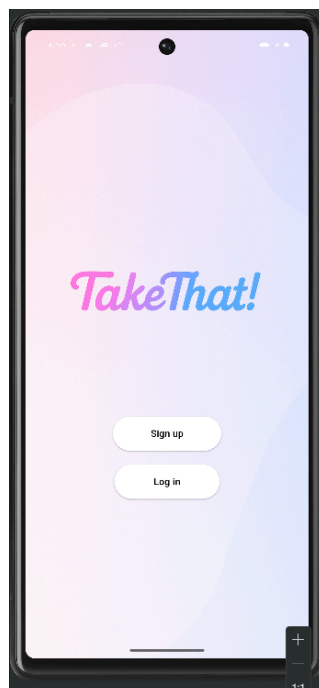


4. Run the following commands to ensure setup is correct.

- Flutter pub get
- Flutter doctor

5. If no errors then all dependencies are correct and up to date and if android studio is running along with an emulator then run the following command to run the flutter code.

- Flutter run
- Once the command is run you can see the log in page on the phone emulator in android studio.



Possible errors and troubleshooting -

1. If “flutter pub get” returns errors this can be for multiple dependency issues. Below is an example of the pubspec.yaml file. Each of these dependencies can be retrieved from <https://pub.dev/> and searched for. Once you find the correct package simply copy it to clipboard and paste in this yaml file like in the example below. Each time you update the list of dependencies run “flutter pub get” to refresh the code.

```
# versions available, run "flutter pub outdated"
dependencies:
  flutter:
    sdk: flutter

  # The following adds the Cupertino Icons font to your application.
  # Use with the CupertinoIcons class for iOS style icons.
  cupertino_icons: ^1.0.8
  firebase_core: ^3.13.0
  firebase_auth: ^5.5.3
  cloud_firestore: ^5.6.7
  image_picker: ^1.1.2
  flutter_animate: ^4.2.0
  firebase_storage: ^12.4.6
  http: ^0.13.5
dev_dependencies:
  flutter_test:
    sdk: flutter
  integration_test:
    sdk: flutter
  mockito: ^5.4.2
  firebase_auth_mocks: ^0.14.1
```

2. Firebase Console issues may arise if payment plan is canceled since each service in firebase relies on payment plan. If canceled then storage, and database will no longer function. To enable this feature new payment will need to be added via firebase console.