"Cryptomask" Documentation by "Praveen Srinivasan"

CRYPTOMASK

Created: 08/10/2022 **By: Praveen Srinivasan** **Email: praveensrinivasan12@gmail.com**	Thank you for purchasing my application. If you have any questions that are beyond the scope of this help file, please feel free to email via my user page contact form here. Thanks so much!

Table of Contents:

- Quickstart
- Versions
- Customization
- Architecture
- Dependencies
- Folder structure
- Source and credits

Quickstart:

Setup and this application is super simple, All you need is two things

1. Infura key
2. Etherscan key

1) Infura:

Infura provides a node which is used to communicate to the blockchain. For that you need an API key from infura.
- Getting the API key is easy just create one account on [Infura](#) then create an application and they'll provide you a unique API key.
- Paste that API Key in config.dart file

2) Etherscan:

Etherscan is used to get blockchain data from off-chain. For that you need an API key from Etherscan.
- Getting the API key is easy just create one account on [etherscan](#) then create an application and they'll provide you a unique API key.
- Paste that API Key in config.dart file

After following these steps make. Open in your project folder in VS code and install flutter plugin then run main.dart file

---

<u>Versions:</u>

- Operating system: Windows 10 or later / Mac os Monterey / Ubuntu 20 or later
- Flutter version: 3.0.2
- Android studio: 2021.22 (Chipmunk)
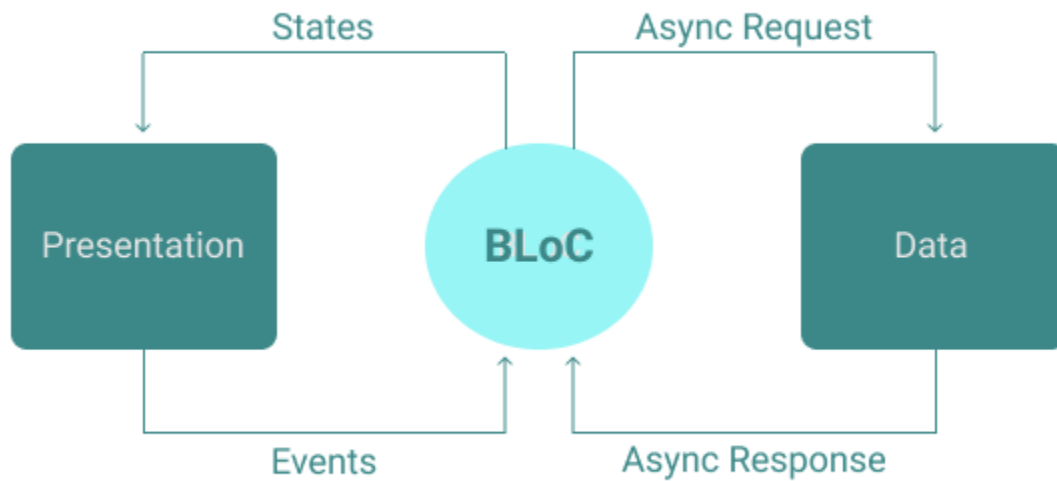- Xcode: 14.0
- Vscode: 1.72.0

<u>Customization:</u>

- Color scheme - Primary color of the app is located in constant.dart file.
- Application name - name of the application is located under pubspec.yaml file

---

Architecture:

- Entire application is built with BLOC architecture.
- Each and every core functionality is separated from the UI Layer.
- Follows DRY (Don't repeat yourself) concept

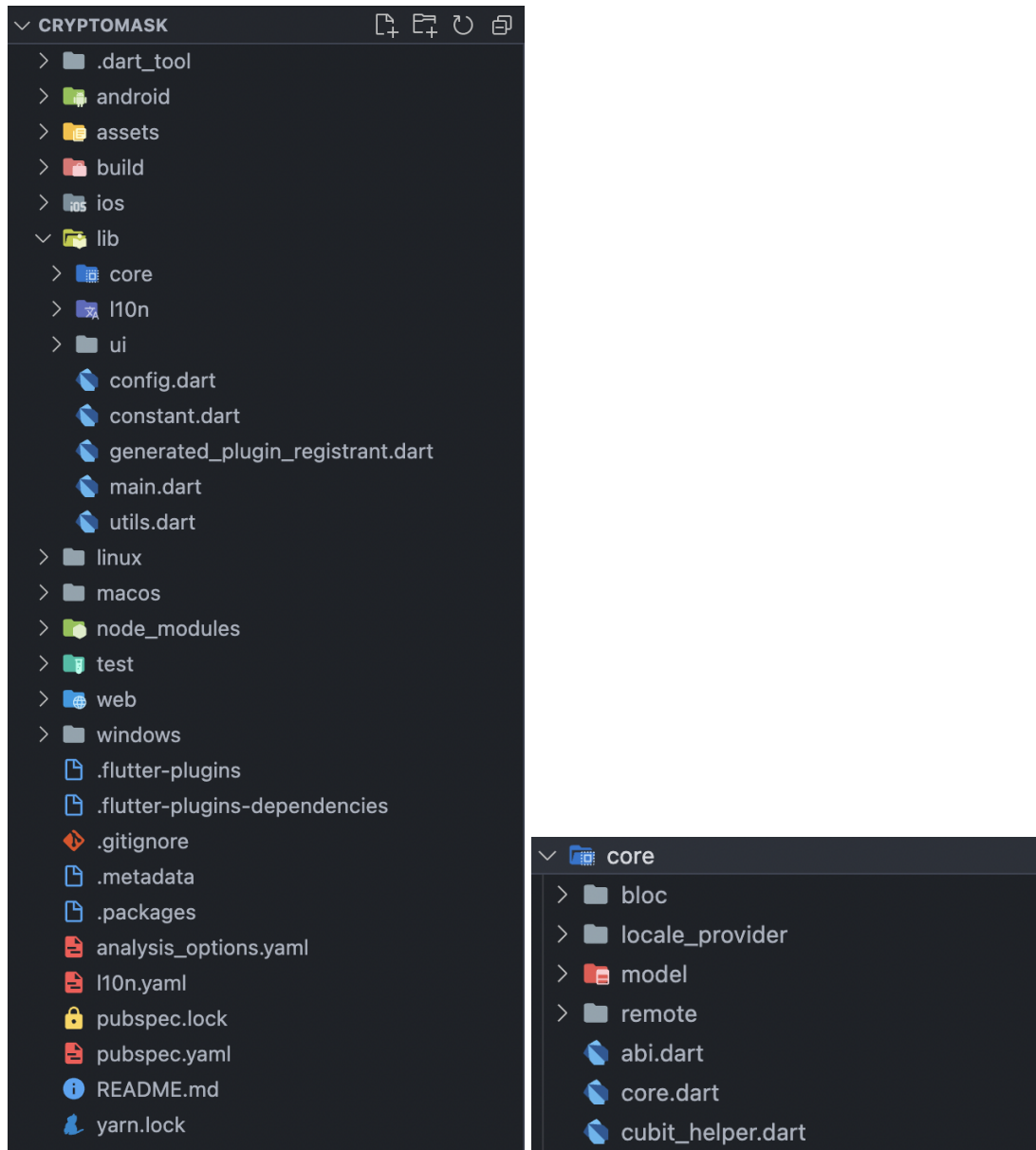(Image credits: techpotatoes.com)

Dependencies:

This application uses the latest and well maintained open source of dependency. Here is a list of the dependencies.
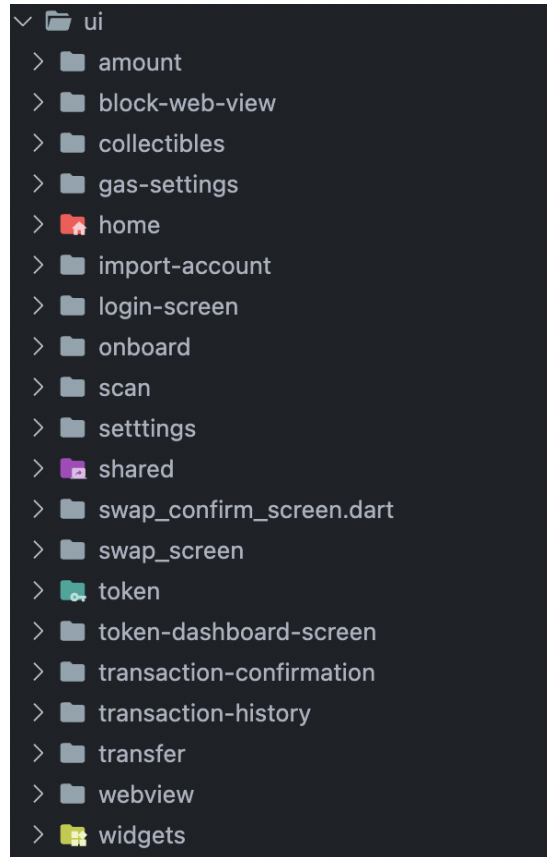
```
intl: ^0.17.0
web3dart: 2.3.5
introduction_screen: ^3.0.1
flutter_svg: ^1.1.4
google_fonts: ^3.0.1
flutter_bloc: ^8.1.1
```

```
flutter_secure_storage: ^5.0.0-beta.4
dio: ^4.0.6
qr_flutter: ^4.0.0
share_plus: ^4.0.10+1
webview_flutter: ^3.0.4
hive: ^2.2.3
rflutter_alert: ^2.0.4
responsive_builder: ^0.4.2
decimal: ^2.2.0
mobile_scanner: ^2.0.0
bip39: ^1.0.6
ed25519_hd_key: ^2.2.0
dart_bip32_bip44: ^0.2.0
ethers: ^0.0.1+3
biometric_storage: ^4.1.3
slider_button: ^2.0.0
equatable: ^2.0.5
cached_network_image: ^3.2.1
cupertino_icons: ^1.0.2
```

Folder structure:

CRYPTOMASK
- .dart_tool
- android
- assets
- build
- ios
- lib
  - core
  - l10n
  - ui
  - config.dart
  - constant.dart
  - generated_plugin_registrant.dart
  - main.dart
  - utils.dart
- linux
- macos
- node_modules
- test
- web
- windows
- .flutter-plugins
- .flutter-plugins-dependencies
- .gitignore
- .metadata
- .packages
- analysis_options.yaml
- l10n.yaml
- pubspec.lock
- pubspec.yaml
- README.md
- yarn.lock

core
- bloc
- locale_provider
- model
- remote
- abi.dart
- core.dart
- cubit_helper.dart

Source and credits:

Source and credit: flutter.dev, pub.dev, developer.android.com, developer.apple.com and all the package's open source contributor.