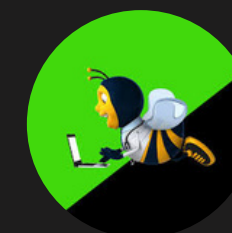


Flutter Roadmap

The complete flutter roadmap for developers



By DevBees

Pre Requisites

Language

- **Dart Programming language - Basics**
- Good to have data structure knowledge
- Familiarity with OOP's concepts



IDE to use

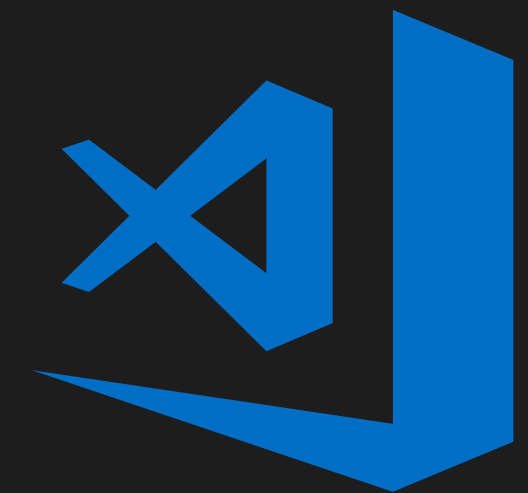
Android Studio

- Recommended
- Comes with android sdk, gradle, emulator, sdk manager tools etc



Visual Studio Code

- Lighter
- Need to download android studio but not necessarily using it.

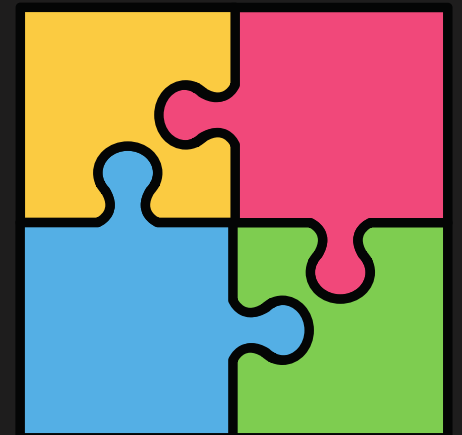


Responsive UI

Widgets

Stateless and Stateful widgets

- Text, Button, Icon etc.
- Container, Row, Column, Expanded, Scaffold, MaterialApp etc
- ListView, GridView etc.



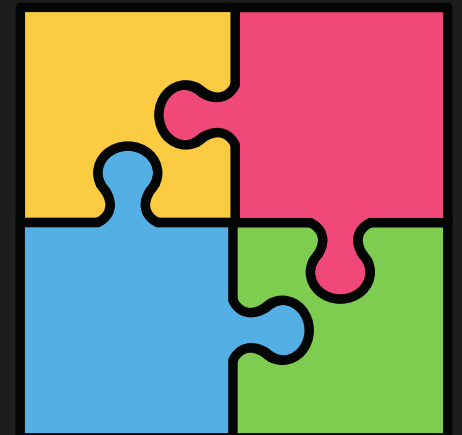
Responsive UI

Assets

- Images
- Audio/Video
- Fonts

Others

- Functionality
- Navigation
- Packages



Internet data

Connecting app to internet

- Fetching Data from internet
- Sending Data to Internet
- JSON data parsing
- RESTful APIs



State Management

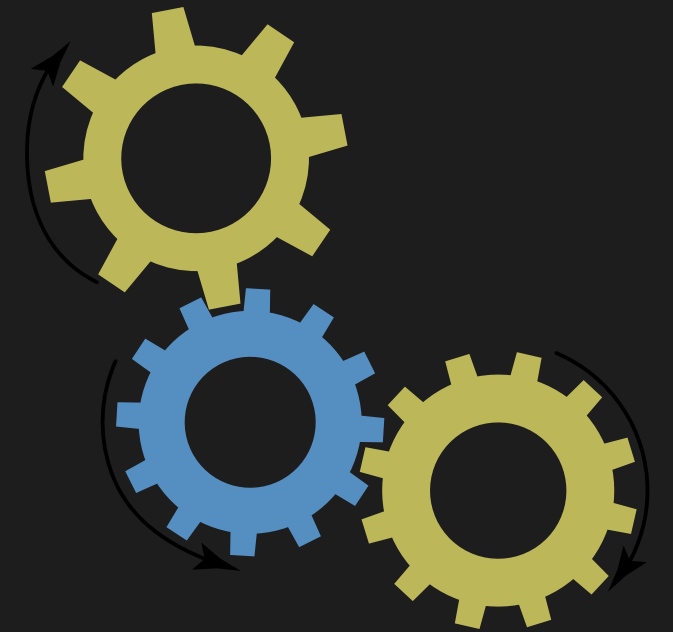
Managing state of app

For beginners

- use of **setState()**

For more advanced state management we
use the following

- **Provider**
- **GetX**
- **BloC**
- **Riverpod** etc.



Database

Backend

For storing data

- **Firebase Realtime Database**
- **Firebase Cloud Firestore**

For local storage of data

- SharedPreferences (for small data)
- **SQLite**
- **Hive** etc.



Complex UI

Building complex UI's

- Animation
- Custom Painter





Projects, Projects and Projects

Version Control

Providing version control

- **Git (Recommended)**
- **SVN**
- **GitHub** etc.



Publishing App

Android

- Playstore



iOS

- App Store



Web

- Firebase
- GitHub
- Netlify (recommended)



Additional Resources and Trouble shooting

Resources

- Flutter official doc
- Medium
- Youtube
- Pub dev



Trouble shooting

- Stack Overflow
- GitHub



Join Communities and Networks

- LinkedIn communities
- YouTube channels and their communities
- Meet people with similar ideas/interests
- Search for new projects and ideas from GitHub
- Learn from other people on GitHub



Thank you!

