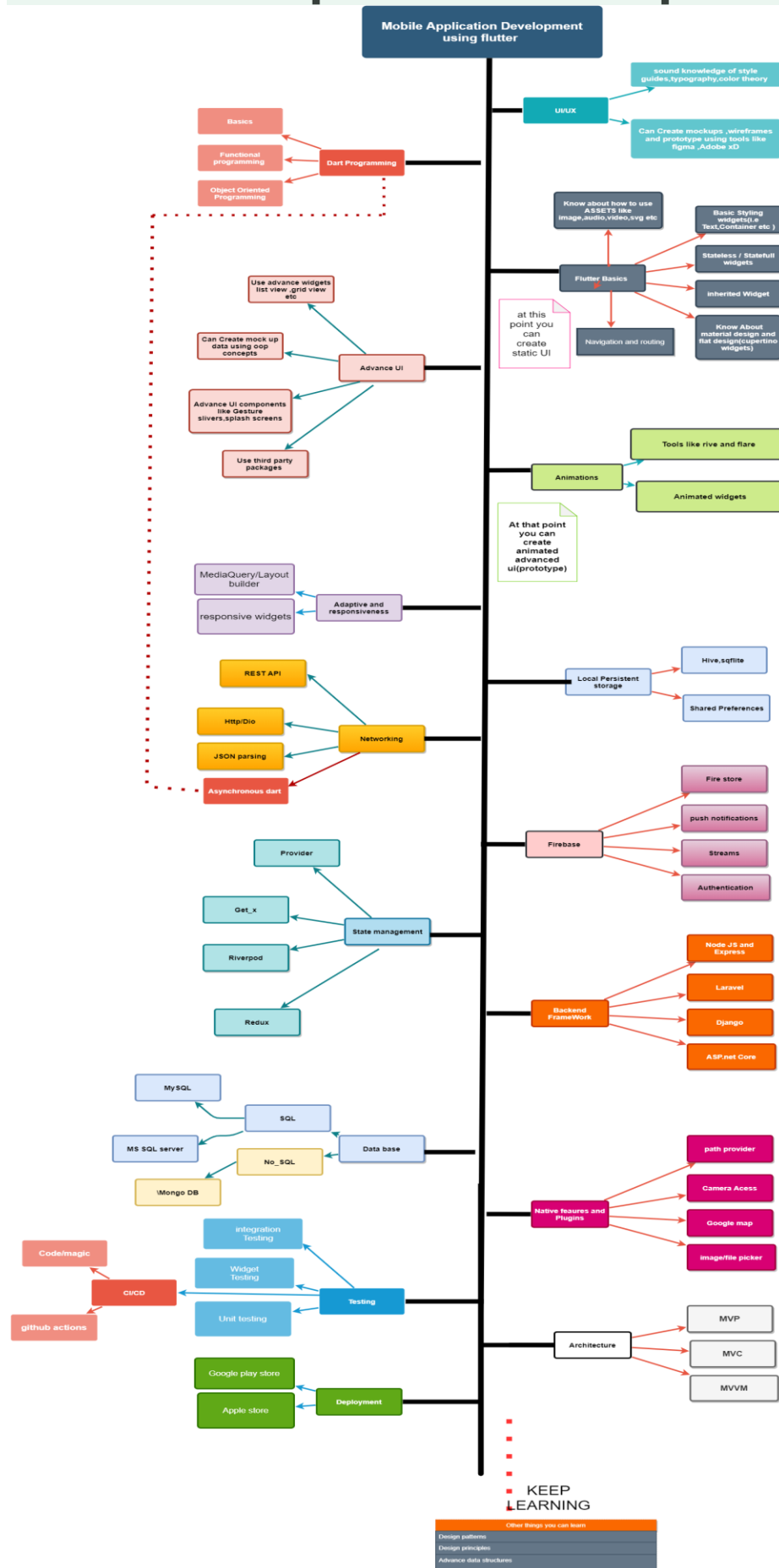# Flutter 100 days of code content

1. Flutter installation & setup
2. Dart Language
3. Flutter architecture & project setup
4. Flutter widgets + basic & responsive layouts
5. State management basics
6. State management & architecture
7. Navigation
8. Interactivity & user input
9. Animations
10. Local data persistence
11. Networking
12. Platform Channels
13. Testing
14. Continuous integration & delivery
15. Bonus content
16. Will add more……..

Flutter Complete Roadmap 2022

Mobile Application Development using flutter

UI/UX
- sound knowledge of style guides,typography,color theory
- Can Create mockups ,wireframes and prototype using tools like figma ,Adobe xD

Dart Programming
- Basics
- Functional programming
- Object Oriented Programming

Flutter Basics
- Know about how to use ASSETS like image,audio,video,svg etc
- Basic Styling widgets(i.e Text,Container etc)
- Stateless / Statefull widgets
- inherited Widget
- Know About material design and flat design(cupertino widgets)
- Navigation and routing

at this point you can create static UI

Advance UI
- Use advance widgets list view ,grid view etc
- Can Create mock up data using oop concepts
- Advance UI components like Gesture slivers,splash screens
- Use third party packages

Animations
- Tools like rive and flare
- Animated widgets

At that point you can create animated advanced ui(prototype)

Adaptive and responsiveness
- MediaQuery/Layout builder
- responsive widgets

Networking
- REST API
- Http/Dio
- JSON parsing
- Asynchronous dart

Local Persistent storage
- Hive,sqlite
- Shared Preferences

Firebase
- Fire store
- push notifications
- Streams
- Authentication

State management
- Provider
- Get_x
- Riverpod
- Redux

Backend FrameWork
- Node JS and Express
- Laravel
- Django
- ASP.net Core

Data base
- SQL
  - MySQL
  - MS SQL server
- No_SQL
  - \Mongo DB

Native feaures and Plugins
- path provider
- Camera Acess
- Google map
- image/file picker

Testing
- integration Testing
- Widget Testing
- Unit testing
- CI/CD
  - Code/magic
  - github actions

Architecture
- MVP
- MVC
- MVVM

Deployment
- Google play store
- Apple store

KEEP LEARNING

Other things you can learn
- Design patterns
- Design principles
- Advance data structures

Today I will share with you the latest Flutter Roadmap for the year 2022. Lot's of people asking me that why we learn Flutter in the year 2022. That's why I'm writing this blog for the roadmap of #Flutter. If you follow the roadmap then definitely learn lot's of new things of Flutter.

Language

- https://dart.dev/guides/language/language-tour

- https://dart.dev/guides/language/effective-dart

Basic Widgets

- https://flutter.dev/docs/development/ui/widgets-intro

- https://www.youtube.com/watch?v=b_sQ9bMltGU&list=PLjxrf2q8roU23XGwz3Km7sQZFTdB996iG

- http://material.io

- https://developer.apple.com/design/

Core Design Patterns

- https://en.wikipedia.org/wiki/Design_Patterns

- https://www.youtube.com/watch?v=Wn-3UmXbEv8&list=PLR2qQy0Zxs_UysCZpV98LnZbl0P10zxZe&ab_channel=Codepur

Flutter Complete Roadmap for 2022

Designing Helpers

- https://www.youtube.com/c/flutterbucket

- https://www.w3schools.com/graphics/svg_path.asp

- https://medium.com/flutter-community/paths-in-flutter-a-visual-guide-6c906464dcd0

Networking

- https://en.wikipedia.org/wiki/Representational_state_transfer

- https://pub.dev/packages/chopper

- https://pub.dev/packages/json_serializable

Simple Persistence

- https://pub.dev/packages/localstorage

- https://pub.dev/packages/flutter_keychain

Database

- https://pub.dev/packages/sqflite

- https://pub.dev/packages/firebase

- https://pub.dev/packages/moor

- https://pub.dev/packages/hive

Architecture

- https://fluttersamples.com

- https://pub.dev/packages/flutter_redux

- https://pub.dev/packages/flutter_mobx

- https://pub.dev/packages/flutter_bloc

Testing

- https://en.wikipedia.org/wiki/Test-driven_development

- https://en.wikipedia.org/wiki/Behavior-driven_development

- https://www.amazon.com/Test-Driven-Development-Kent-Beck/dp/0321146530

Languages

- https://www.udacity.com/course/developing-android-apps-with-kotlin--ud9012

- https://cs193p.sites.stanford.edu

Dart

- https://pub.dev/packages/freezed

- https://fsharpforfunandprofit.com

Package Manager

- https://flutter.dev/docs/development/packages-and-plugins/developing-packages

- https://cocoapods.org

- https://maven.apache.org

Profiling

- https://flutter.dev/docs/perf/rendering/ui-performance

- https://youtu.be/vVg9It7cOfY

Flutter Internals

- https://youtu.be/UUfXWzp0-DU

- https://youtu.be/dkyY9WCGMi0

- http://www.cs.cmu.edu/~bam/uicourse/830spring20/05-830-2020-03-23-Lecture-10-Flutter.mp4

- https://mrale.ph/dartvm/

Continuous Integration

- https://fastlane.tools

- https://danger.systems

- https://www.sonarqube.org

- https://codemagic.io/

- https://travis-ci.org

Analytics

- https://firebase.google.com/docs/analytics

- https://docs.microsoft.com/en-us/appcenter/analytics/

Store

- https://developer.apple.com/app-store/review/guidelines/

- https://play.google.com/about/developer-content-policy/

- https://developer.android.com/distribute/best-practices/launch/launch-checklist

medium link:

https://nyonggodwill11.medium.com/flutter-complete-roadmap-2022-75cb6fa7bd89