FLUTTER GUIDE

flutter roadmap :

    https://redblink.com/flutter-app-development-roadmap/

videos for beginners:

Playlist by NET NINJA: <https://youtube.com/playlist?list=PL4cUxeGkcC9jLYyp2Aoh6hcWuxFDX6PBJ&si=EMSIkaIECMiOmarE6JChQQ>

Crash Course by ACADEMIND : https://youtube.com/watch?v=x0uinJvhNxI&feature=share&si=EMSIkaIECMiOmarE6JChQQ

CONNECTING FIREBASE TO FLUTTER docx:

Document : <https://firebase.google.com/docs/flutter/setup?platform=android>

Video : https://youtube.com/watch?v=LnpGU8vj7TI&feature=share&si=EMSIkaIECMiOmarE6JChQQ

\*More about flutter architecture :

1) Why do we use Flutter Architecture?

* The process of developing the applications and creating animations happen at a very high speed.
* The highlight of flutter architecture is user interface applications.
* It is the native applications for both iPhone operating system and Android.
* The reloading in flutter architecture is hot, if the save button is pressed for each time.
* The performance of the applications based on flutter architecture is high.
* Multiple languages can be supported on a single platform using dart.
* The applications based on flutter architecture have high productivity.
* Both the layout and backend are written in a single language.
* The flutter architecture consists of widgets that are customizable.

2) Why is Flutter Architecture Unique?

* ARM Binary code can be compiled using flutter architecture.
* The flutter architecture does not rely on OEM widgets.
* There is no necessity for bridges in flutter architecture.
* There is no mark up language in flutter architecture, there is just dart.

3) Animations Supported by Flutter Architecture

|  |  |
| --- | --- |
| * Tween. | * Hero. |
| * Silver. | * Transform. |
| * Fade in Widget. | * Animation builder. |
| * Animated opacity. | * animations based on physics. |

4) Advantages and Disadvantages:

Advantages:

* User interface coding can be done rapidly by using the widgets that are ready made and can be customized.
* The learning curve is mild and the community of the users using flutter architecture is growing every day.
* The java programmers are targeted by using simple, yet effective language called dart.
* The compilation types supported by flutter architecture are AOT and JIT.
* XML files are not necessary.
* JavaScript bridge is not necessary to provide a better performance.
* Instantaneous updates can be provided by using hot reload function.
* It provides portability, internationalization and accessibility.
* It provides high performance.

Disadvantages:

* The third-party libraries are not supported by flutter architecture.
* The size of the files is large.
* There are issues with iPhone operating system.
* Dart programming language cannot be easily understood by the beginners in programming, so it becomes a difficult task to find people to perform this job.