DAY -44, DAILY REPORT, 17 -01 -2022 (MONDAY)

Today, I had an experience. When I woke up in the morning, it gave me a positive vibe and when the cab came to the apartment and I went to the office. They have assigned some projects to do, we want to choose the topic and we want to execute the program. First of all, I want to learn about flutter and how it works. Flutter means is a open source mobile UI framework created by google and released by may 2017. In a few words, it allows you to create a native mobile application with only one codebase to create two different apps for (Ios and android) flutter consists of two important parts : An SDK (Software Development Kit) is a collection of tools that are going to help you develop your applications. A Framework (UI Library based on widgets): A collection of reusable UI elements (buttons, text inputs, sliders, and so on) that you can personalize for your own needs. Although Flutter is a newer cross-platform framework, more and more companies have chosen Flutter over frameworks such as

Xamarin, Cordova, and React Native. Some of the top reasons why development teams choose Flutter include: Increased productivity. Using the same codebase for iOS and Android saves both time and resources. Flutter's native widgets also minimize time spent on testing by ensuring there are little to no compatibility issues with different OS versions.Easy to learn. Flutter allows developers to build native mobile applications without needing to access OEM widgets or use a lot of code. This, in addition to Flutter's particularly appealing user interface, makes the mobile app creation process much simpler.   Great performance. Users report that it is difficult to notice the difference between a Flutter app and a native mobile app. Cost-effective. Building iOS and Android apps with the same codebase is essentially building two apps for the price of one. Available on different IDEs. Developers are free to choose between Android Studio and VS Code to edit their code on Flutter. Great documentation & community. Flutter has many great resources to answer your questions, thanks to its ample documentation with easy-to-follow use cases. Flutter users also benefit from community hubs like Flutter Community and Flutter Awesome

for exchanging ideas. Flutter offers a wide range of benefits for business folks and developers alike. Flutter offers good quality for reasonable costs, as well as great usability and speed. Development goes faster when the same code is used for both iOS and Android applications. Flutter's singular codebase speeds up time-to-market while cutting mobile app development costs significantly. Flutter app performance is equivalent to that of native real-time applications. Unlike other frameworks, Flutter apps do not need a bridge to interact with native components. Since these bridges typically cause performance issues, this gives Flutter a decided advantage. Flutter's "hot reload" feature allows developers to change the code on emulators, simulators, or real devices, and see results in real-time. The changed code is then reloaded immediately while the app is running. No restart required. Hot reloads make building UIs, adding features, and bug fixing simpler than ever. Thank you, that's all for today.