MAD Lab Prerequisite

Aim: To understand Prerequisite of flutter app development.

Theory: Flutter is Google's Mobile SDK to build native iOS and Android apps from a single codebase. It was developed on December 4, 2018. When building applications with Flutter, everything is towards Widgets – the blocks with which the Flutter apps are built. The User Interface of the app comprises many simple widgets, each handling one particular job. That is why Flutter developers tend to think of their Flutter app as a tree of devices.

There are some key features of the Flutter:

- **Cross-platform development:** Flutter allows developers to write a single codebase for both Android and iOS, and It reduces the time and costs of development also.

- **Fast development:** It has a hot reload feature that allows developers to see the changes immediately that occur in code, It makes the development process faster and more efficient.

- **Attractive UI:** Flutter provides a rich set of customizable widgets that allow developers to create visually attractive and responsive user interfaces.

- **Performance:** Flutter uses the Dart programming language and its efficient rendering engine, Skia, ensures high performance, fast app startup times, and smooth animations.

- **Large community:** Flutter has a growing and supportive community, which provides Flutter developers with the vast documentation, resources, and third-party packages, which makes the development easy.

- **Open-Source:** Flutter is a free and open-source framework for developing mobile applications.

Features of the Flutter include:

- Cross-platform development
- Single codebase for multiple platforms
- Hot Reload for instant code changes

- Rich UI with customizable widgets

- Fast performance and smooth animations

- Native-like user experience

- Access to native features and APIs

- Dart programming language

- Strong community support

- Integration with existing code

- Testing and debugging tools

- Open-source and free

Project Idea:

https://www.khyaal.com/ It is a elderly care app

Khyaal's app boasts a plethora of functionalities tailored to empower seniors in their digital journey. With a user-friendly interface, seniors can seamlessly navigate through various features including interactive community forums, engaging games, and educational sessions. The app offers comprehensive tutorials and resources to address the fear of online transactions, equipping seniors with the confidence to securely manage bill payments, subscriptions, and access learning materials. Through personalized support and assistance, seniors can overcome technological barriers and enhance their digital literacy. Moreover, Khyaal facilitates seamless communication among users, fostering meaningful connections and combating loneliness. With a diverse range of functionalities, Khyaal serves as a holistic platform empowering seniors to actively participate in the digital world and enrich their lives.

Conclusion:I am making an flutter app which will be helping senior citizens