

## **Pre-requisites for Flutter Meet App Development**

### **Overview**

Our project involves developing a sophisticated meet app using Flutter, a leading cross-platform framework for mobile applications. This app is designed to offer users a dynamic platform for creating, sharing, and conducting meetings. Below are comprehensive pre-requisites to ensure a smooth development process.

### **Features**

#### **1. Meeting Creation**

- Users can author meeting with customizable schedule, various options, and multimedia elements if desired.

#### **2. Meeting Participation**

- Users can actively engage in meeting created by others, receiving meeting id's.

#### **3. Scheduleboard**

- The app incorporates a scheduleboard to showcase upcoming meetings

#### **4. Firebase Integration**

- The app seamlessly integrates with Firebase for essential functionalities, including data storage, community interaction management, user-specific data storage, and robust authentication and security features.

### **Hardware Requirements**

- Processor: Dual-Core 2GHz or equivalent
- RAM: 8GB or Higher
- Operating System: Windows 7 or newer, or Linux machine

# Software Requirements

## Flutter SDK

- Download and install the Flutter SDK, encompassing the Flutter framework, Dart SDK, and assorted command-line tools tailored for Flutter app development.

## Integrated Development Environment (IDE)

- Choose an IDE for Flutter development, such as:
- Visual Studio Code (VS Code) with the Flutter and Dart plugins.
- Android Studio with the Flutter plugin. ● IntelliJ IDEA with the Flutter plugin.

## Firebase Account

- Sign up for a Firebase account, an essential step for creating a Firebase project, configuring Firestore for data storage, setting up Firebase Authentication for user identity verification, and potentially integrating Firebase Storage for multimedia elements.

## Firebase Tools

- Install the Firebase command-line tools (firebase-tools) to efficiently interact with Firebase services through the command line. This includes tasks like app deployment and Firebase service management.

## Flutter Packages and Plugins

- Configure dependencies in the Flutter project's pubspec.yaml file for crucial packages like firebase\_core, cloud\_firestore, firebase\_auth, and any additional packages required for multimedia handling, UI components, state management, etc.

# Additional Considerations

- Tailor dependencies based on specific project requirements, including packages for meeting logic, user interactions, and navigation.

By adhering to these pre-requisites, developers can lay a solid foundation for the successful development of a feature-rich Flutter meet app.