

Prerequisite for Pomodoro Timer App.

Basic Understanding of Flutter: Familiarize yourself with Flutter fundamentals, including widgets, layouts, state management, and navigation. You should be comfortable with building basic Flutter apps before diving into more complex projects like a Pomodoro timer.

Flutter SDK Installed: Make sure you have Flutter SDK installed on your development machine. You can download and install it from the official Flutter website. Follow the installation instructions for your operating system.

Development Environment Setup: Choose your preferred code editor or IDE for Flutter development. Popular choices include Visual Studio Code, Android Studio, and IntelliJ IDEA. Install the necessary Flutter and Dart plugins/extensions for your chosen editor.

Knowledge of Dart Programming Language: Since Flutter apps are primarily written in Dart, it's essential to have a good understanding of Dart programming concepts such as variables, functions, classes, and asynchronous programming.

Understanding of Timer Functionality: Gain familiarity with how timers work in programming, especially for implementing countdown timers. You'll need to understand how to start, pause, resume, and reset timers programmatically.

UI/UX Design Concepts: While not strictly required, having some knowledge of UI/UX design principles can be beneficial for designing an intuitive and user-friendly Pomodoro timer interface. Learn about Flutter widgets for creating layouts, buttons, text fields, and other UI elements.

Understanding of Real-Time Communication Concepts: Familiarize yourself with real-time communication protocols and technologies, such as WebSocket, WebRTC (Real-Time Communication), or Firebase Realtime Database. Understand how data is transmitted and synchronized in real-time between clients.