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Problem Statement:
Create an Event Planner mobile application to simplify the process of organizing, managing, and attending events, catering to the diverse needs of event organizers and participants alike.

Software Requirements

1. Flutter SDK.
2. Dart SDK.
3. Development IDE: Visual Studio Code .
4. Git.
5. A Reliable Weather API.
6. State Management Tool.
7. Flutter Plugins and Packages: geolocation for location-based weather data

Hardware Requirements

Computer:
- Processor: Intel i5/i7/i9 or equivalent AMD Processor.
- Memory: 8 GB RAM minimum, 16 GB or more recommended.
- Disk Space: Minimum of 10 GB free disk space, SSD preferred for faster performance.
- Operating System: Windows (7 SP1 or later), macOS (latest version recommended), or Linux.

Mobile Devices:
- For testing purposes, access to physical iOS and Android devices is ideal. This ensures that the app performs well in real-world conditions.
- iOS: iPhone or iPad running the latest iOS version.
- Android: Android phone or tablet with recent Android version.

Network Connection:
- A stable internet connection is essential for downloading dependencies, accessing APIs, and testing network-related functionalities.