

**Problem Statement:**

The Splitwise app, developed with Flutter, seeks to upgrade its user interface, ensuring a cohesive experience on iOS and Android. Key features include real-time expense updates, multi-currency support, improved categorization, and enhanced security measures. The addition of offline mode and sync functionality aims to provide uninterrupted expense management. Bug fixes and error handling will further enhance stability, offering users a streamlined and secure expense-sharing experience.

**Software Requirements**

- 1.Flutter SDK.
- 2.Dart SDK.
- 3.Development IDE:Visual Studio Code .
- 4.Git.
- 5.Flutter
- 6.Firebase (Authentication & Storage)
- 7.Provider Library

**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.