

Food Facts App

PROBLEM STATEMENT:

Despite growing awareness of the importance of making healthy food choices, consumers often find it challenging to access accurate and comprehensive information about the nutritional value and ingredients of the products they purchase. This lack of transparency makes it difficult for individuals to make informed decisions regarding their dietary preferences, health goals, and overall well-being. Additionally, the absence of a centralized and reliable database for food product information further compounds the issue. The Open Food Facts (Smooth app) aims to address these challenges by providing a user-friendly platform that allows users to scan barcodes, access a global database, and contribute to a community-driven initiative for sharing accurate and up-to-date information on food products.

SOFTWARE REQUIREMENTS:

- 1.Flutter SDK.
- 2.Dart SDK.
- 3.Development IDE:Visual Studio Code .
- 4.Git.
- 5.A Reliable Food API.
- 6.Flutter Plugins and Packages.

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:

- iOS: iPhone or iPad running the latest iOS version.
- Android: Android phone or tablet with a recent Android version.

Network Connection:

- A stable internet connection for downloading dependencies, accessing APIs, and testing network-related functionalities.