

1. Requirements analysis:
 - Hardware Requirements
 - Smartphone or PC (Android/Windows)
2. Internet Connectivity
3. Server or Cloud Storage (optional)

Software Requirements

Frontend: HTML / REACTJS / Android App

Backend: Python / Django

Node.js / Database: MySQL / Firebase

Tools: VS Code, Figma, Google Maps API

Functional Requirement Categories:

1. Donor Management Functional Requirements

FR#001: Donor Registration

- System shall allow authorized personnel to register new food donors

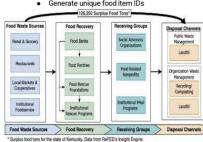
FR#002: Food Item Management

- Collect and store donor organization name, contact persons, phone, email, address, and food types
 - Generate unique donor identification codes
 - Validate email and phone number formats



- FR-DM-002: Donor Profile Management
 - System shall enable updating donor information (contact details, food types, operating hours)
 - Allow donors to modify their food generation schedules
 - Track historical changes to donor information
 - Enable activation and deactivation of donor accounts
 - FR-DM-003: Donor Verification
 - System shall verify donor credentials and licensing (where applicable)
 - Conduct background checks for food safety compliance
 - Maintain compliance status flags
 - Document verification dates
 - FR-DM-004: Donor Communication
 - System shall send notifications to donors about collection schedule
 - Provide feedback on donation patterns and impact

- Enable messaging between donors and coordinators
 - Generate donation certificates for tax purposes



- ## FR-FI-002: Quality Assessment

- Capture assessment timestamps and assessor identification

