

GroceryMind - User Manual

Table of Contents

Title	Page Number
Introduction	2
Prerequisites	2
Installation	2
Configuration	2
Running the Project	2
Backend Setup.....	2
Frontend Setup.....	3
Access the app.....	3
GitHub Structure	3
Code Directory.....	3
Project Structure.....	3

Introduction

Welcome to GroceryMind, a responsive, community-centered food inventory management application. It supports tracking grocery items, receiving expiry reminders, and creating smart shopping lists, with a focus on reducing household food waste—aligned with UN SDG 12: Responsible Consumption and Production. This manual provides step-by-step instructions for installing, configuring, and using GroceryMind.

Prerequisites

- Before you begin, ensure you have the following installed:
- Node.js 16+ (for frontend & backend)
- MongoDB (local or cloud e.g. MongoDB Atlas)
- Git (for version control)
- npm or npx or expo
- GitHub Account (for collaboration)

Installation

Follow these steps to install GroceryMind on your system:

Clone the Repository:

Open your terminal and run:

git clone <https://github.com/Pruthvi2309/GroceryMind.git>

Configuration

Environment Variables

- Create a .env file inside the Backend directory. Example content:
- PORT=5000
- MONGO_URI=your-mongodb-uri
- JWT_SECRET=your-secret-key

Running the Project

- **Backend Setup**
 - Navigate to the Backend Directory:
 - cd Code/Backend
 - Install Dependencies:
 - npm install
 - Configure MongoDB:
 - Run the Backend Server:
 - npx nodemon Server.js

- **Frontend Setup**
 - Navigate to the Frontend Directory:
 - `cd ../Frontend`
 - Install Dependencies:
 - `npm install`
 - Configure the Frontend:
 - Run the Frontend Application:
 - `npx expo start`
- **Access the App**
 - Install Expo Go:
 - On your mobile device, download and install the Expo Go application from the App Store (iOS) or Google Play Store (Android).
 - Scan the QR Code:
 - Once you have started the frontend application (`npx expo start`), a QR code will be displayed in your terminal or command prompt.
 - Access the App:
 - Open the Expo Go app on your device and use it to scan the QR code displayed in the terminal. This will launch the GroceryMind app on your mobile device.

GitHub Structure

- **Code Directory**
 - The primary application code is located in the Code directory, which contains the Backend and Frontend directories.
- **Project Structure**
 - Backend/: Contains the server-side code, including API endpoints and database connections.
 - Frontend/: Contains the client-side code, including React components and user interface elements.