ID	User Stories
US1	As a user, I want to create an account and log in so that my data is saved.
US2	As a user, I want to upload a meal photo or take an image from the camera so that I can manually enter my food details.
US3	As a user, I want to manually enter food items so that I can track my meals.
US4	As a user, I want to edit food items so that my meal log is accurate.
US5	As a user, I want to see a daily dashboard so that I can track my calories and nutrients.
TS1	Set up user authentication backend
TS2	Set up photo upload UI
TS3	Build UI for manual food entry
TS4	Build UI for food editing
TS5	Build daily dashboard UI & backend
US6	As a user, I want to scan barcodes to log packaged food so that I can log faster.
US7	As a user, I want to set my health goal so that my calorie target is personalized.
US8	As a user, I want to see my daily macro breakdown so that I know if my meals are balanced.
US9	As a user, I want to edit or delete past meal entries so that I can fix mistakes.
US10	As a user, I want to view my full meal history so that I can review my past eating habits.
TS6	Build barcode scanning backend and food database

TS7	Set up goal setting feature
TS8	Add macro breakdown logic to dashboard
TS9	Build meal history with edit/delete
TS10	Build full meal history page
US11	As a user, I want to see calories and nutrients after entering my meal so that I know what I'm eating.
US12	As a user, I want to see a weekly progress report so that I can track my long-term trends.
US13	As a user, I want a settings page to manage my preferences so that I can customize the app.
TS11	Build AI-based calorie & nutrition calculation
TS12	Build weekly progress backend & UI
TS13	Build settings page backend & UI

Acceptance Criteria	Feature
User can sign up and log in	
Error shown for wrong credentials	Authentication
Logout works	
Users can upload an image or take a photo.	
Users manually input food items.	Photo Upload
Error shown if no items are added.	
Users can enter food items manually.	
Users can input portion sizes.	Food Entry
Data is saved to the meal log after confirmation.	
Users can modify the food name and portion size. Changes are saved automatically to the meal log.	Manual Food Editing
Dashboard shows calories consumed, remaining budget	Dashboard
Macro breakdown shown	
Database created for users	
Signup, login, logout APIs ready	Authentication Backend
Passwords securely stored	
Users can upload images from the gallery or take a photo.	Photo Upload
Users can enter food names and portion sizes manually.	Food Entry
Users can edit food items and portion sizes.	Manual Food Editing
Dashboard reads meal log	
Calculates totals	Dashboard Backend + UI
Shows simple charts	
Barcode scanning works	
Finds product in database	Barcode Scanning
Adds to meal log	
Goal can be set	
Calorie target updates	Goal Setting
Goal can be changed later	
Dashboard shows grams & percentages for macros	Dashboard
Updates after each meal log	
Past meals listed	
Edit or delete works	Meal Log Management
Dashboard recalculates after change	
All past meals listed by date	Meal History
Clicking shows full details	
Food database includes packaged foods	Barcode Scanner Backend
Barcode scanning works on mobile	

Adds directly to log	Backend
Goal stored in user profile	Goal Backend
Goal adjusts calorie target in dashboard	
Dashboard calculates macros from meals	Dashboard Logic
Updates automatically	
Meal logs stored by date	
Edit and delete APIs work	Meal Log Backend
Dashboard updates after changes	
Meals listed by date	Meal History UI
Clicking opens meal details	
Users enter food items manually.	Calorie & Nutrition Display
Calories, protein, carbs, and fats are displayed.	
Data is saved to the meal log.	
Weekly calories graph shown	Progress Report
Weekly macro average shown	
User can set units (metric/imperial)	Settings
User can change goal	
Changes saved immediately	
Users enter food items manually.	AI-Based Nutrition Calculation
AI calculates calories, protein, carbs, and fats.	
Data is saved to the meal log.	
Backend calculates 7-day summary	Progress Report
UI shows graph & macro summary	
Preferences saved per user	Settings Backend + UI
Changes reflected in dashboard	
Supports units and goals	

Story Points	Sprint
3	1
5	1
3	1
3	1
3	1
3	1
5	1
3	1
3	1
3	1
5	2
2	2
2	2
3	2
2	2
5	2

	2	2
	2	2
	3	2
	2	2
	5	3
	3	3
	2	3
	5	3
	3	3
	2	3