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DIMA - MacroTracker

Sironi Alessandro, Sprocati Tommaso

Carbs

0%

0 / 250 g

Proteins

0%

0 / 180 g

Fats

0%

0 / 60 g

Calories

The App & Features



MacroTracker is a fitness-focused project that allows athletes to track and log food intake and macro-nutrients in order to compile statistics of one's eating habits



Tracking of the Daily Diet

Manual Insert
Scan of Barcode



Apple HealthKit integration



Notification Reminders



Technical Overview



Application developed in
Flutter for iPhone and iPad




Two Tier Architecture

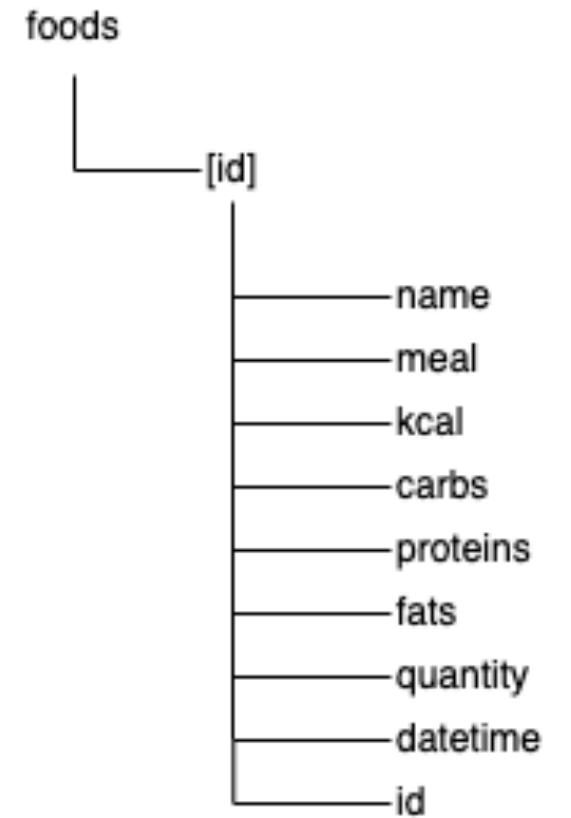
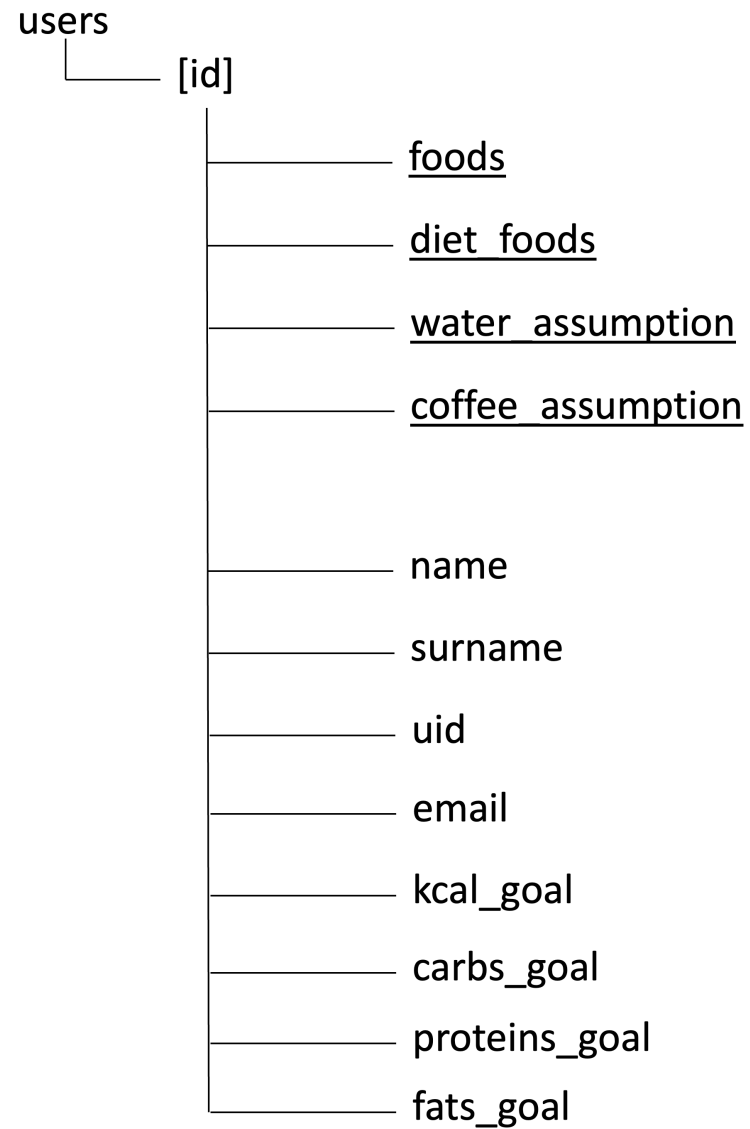




Backend with
Google FireBase

Authentication
Firestore
Database



Database Structure





External Services & Plugins



OpenFoodFacts API

Flutter Local Notification

Health

Cloud Firestore

Firebase Authentication

Flutter Barcode Scanner



Testing

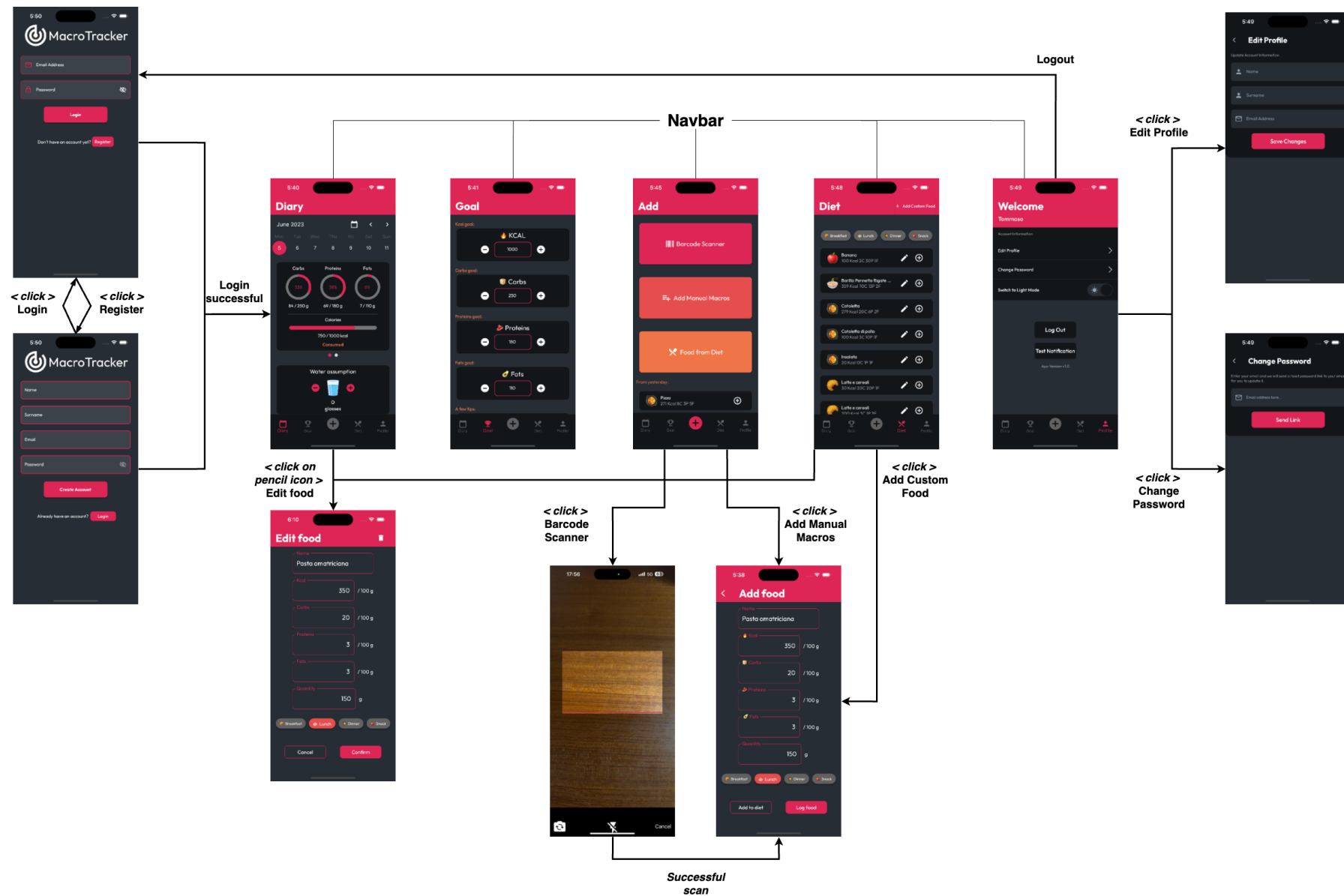


Widget Testing

Integration Testing

User Testing

UX



An abstract graphic design on a black background. A large, thin white circle is centered, with a thick light green ring offset slightly to its right. The word "DEMO" is written in white, uppercase, sans-serif font in the center of the white circle. To the left of the circle, there are two horizontal wavy white lines. Below them is a small solid light orange circle. To the right of the circle, there is a small double-lined light orange circle in the top right corner and a rectangular grid of small white dots in the bottom right corner.

DEMO