

Working Prototype Known Problems Report

Nutrient+

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List of Functions Not Working Correctly

Problem	Input/Action Responsible	Location	Possible Action for Removal
no type check for user info input (problem on simulator only)	pressing “done” button on bottom right corner of Startup and EditUser view controller	<ul style="list-style-type: none">- Startup View Controller- EditUser View Controller	adding a type check in code
Some food requests stall the API infinitely so that nothing is returned (Not even a status code). This stalls the application as the request locks a mutex, but never unlocks it.	The API get request is responsible for infinitely stalling.	APIRequest → getFoods	Have a timeout that unlocks the mutex if no response after a while. Don't search for that food. Restart the app.
Food recommendation stops recommending foods when macros have been met.	User searching for foods that fulfill macros.	ViewController → recFoodNameLabel	The algorithm could recommend foods past the given limit.
For any text field that accepts decimal numbers, app will crash if there are multiple decimal points.	User custom input for calculating daily nutrient target.	<ul style="list-style-type: none">- Startup View Controller- EditProfile View Controller- EditInfoVC View Controller	Check if number is a valid double.

Birthday can be greater than today's day.	"done" button in the Startup View Controller and EditProfile View Controller	<ul style="list-style-type: none"> - Startup View Controller - EditProfile View Controller 	<p>compare the inputted date and current date</p> <p>popup informing user of the error</p>
If user enters a nil, negative number, or invalid string for the serving sizes alert, the program crashes	The OK button in the alert dialog takes the value entered into the textfield and does work on it. When invalid, program crashes.	<ul style="list-style-type: none"> - AddFoods → Alert popup → OK handler 	<p>create an if statement that tests for the text field size or an invalid input (i.e., string or negative number)</p>

List of Suggested User Stories/Acceptance Criteria for Acceptance Test

User Story	Acceptance Criteria
As a user, I want to create and update a user profile so the app can tailor the intake information to my needs.	<ul style="list-style-type: none"> - Calculate nutritional recommendations for inputted user information. - Edited profile should update targets
As a user, I want to keep track of my current daily intake so that I know what nutrients I still need for the day.	<ul style="list-style-type: none"> - Given data on nutrition intake, that data should be displayed on the main page. - Database should persist nutritional progress throughout the day. - There should only be a single instance of the database.
As a user, I want to be able to visualize my daily intake progress so that I can practice healthier eating habits.	<ul style="list-style-type: none"> - Given a database of nutritional data, the progress views should update accordingly every time the main page is loaded. - Progress views should be easily and clearly understood.
As a user, I want food to be recommended to me so that I know how to best complete	<ul style="list-style-type: none"> - Output a food recommendation given some test nutritional progress.

my daily intake goals.	<ul style="list-style-type: none"> - This should be a “reasonable” recommendation as decided by the development team and product owner. - There should be a function that recommends food given current nutrient progress. - Base acceptance criteria for a recommendation is a recommendation being printed in the logs for every single nutrient. - A recommendation must be displayed on the main page.
As a user, I want to adjust the predetermined daily nutrient goals so that I can create my own goals.	<ul style="list-style-type: none"> - Nutrient targets should be updated accordingly to adjusted targets. - Progress Views should update in proportion to the new targets