

Documentation

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Objective:

The objective of this application was to provide an interface where the user can manage his meal planning according to his personal specifications and health goal.

Architecture:

The Application is divided into three screens:

- Health Goal

In this screen, the user has to fill in the different information required to calculate his Basal Metabolic rate (BMR) which is the indicator of the calorie quantity he has to eat per day to reach his health goal. The user must give his age, weight, height, gender, activity level, and health goal so the application can calculate and print his BMR.

- Food Database

This screen allows the user to search for food and add it to his meal planning. The screen is initially composed of a search bar and a disabled submit button. The user must type a food name so the application will suggest a list of food based on the name of the research. Then, the user must select one of them and this will display the details of this specific food. At this point, he can add it to his meal planning by filling in three inputs: the quantity, the day, and the meal.

- Meal Planning

On this screen, the user can see his meal plan for the week. This is a scroll view where every meal of every day is displayed. There is also the total amount of calories planned per day.

Succeeded features:

- Form User Input
- BMR calculator
- Calling EDAMAM API
 - o Food list
 - o Food details
- Updating meal plan by adding a specific food
- Displaying meal plan
- Displaying daily calories

Unsuccessful features:

- Removing food from the meal plan
- Saving the meal plan
- Better displaying system for the meal plan
- Stylize the application

Roadmap:

Week :	29 May - 4 June	5 June - 11 June	12 June - 18 June	19 June - 21 June
Module 1				
Module 2				
Module 3				
Module 4				

Difficulties:

- The main difficulty we faced by far, was the amount of work requested by all the other courses at the same time. So, we didn't have much time to give to this project. We still are proud to have succeeded in creating a working application in a few days despite the lack of style and aesthetics.
- We had some difficulties finding a way for sharing the meal plan on every screen, so we finally used context.
- We also took some time to understand how to use the different methods of the EDAMAM API (auto-complete and parser/v2).

To conclude, for sure we would have produced a better version of the app with more time to develop it, but this is due to our bad management between the different projects we had to do. However, we really appreciate working on this project. React-native was new for both of us and thanks to this course, we are looking forward to beginning new mobile developments with react-native.

Screenshots:



