

 	MOBDEVE Machine Project
	B.S. – Information Technology
	FitBuddy
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Description

Since the start of the pandemic, more people have tried to live healthier lives. This application would help users to monitor their health daily, allowing them to record their food and water intakes, the workout they've done for the day and which muscles these workouts targeted, how long they've slept, and take pictures to monitor their progress. This app would also compute the user's health metrics based on their input and compute how much more weight and fat they have to lose in order to fall into a healthier metric.

Services/APIs

Firebase Webserver

Camera Usage

Circular Graph API

Calendar

Email Password Reset

Function	Description
Register	The user must first register an account before accessing the other features of the app. Users are required to give their full name, birthday, email, and password.
Log-in	The user must log-in once after registering. Afterwards, the user will be automatically logged in, unless he/she opts to log-out manually.

Email Password Reset	Password can be reset via email if user forgets password when logged out
Circular Home Graph	Displays the Nutritional Statistics Tally in a given date range. Dynamically changes depending on set date range.
Dynamic Calendar View Display	Has an interactive calendar view wherein users can click on a date and it shows the meals recorded for that specific date
Day to day Nutritional Diary	Display a Diary with the current date as a default, wherein users can see the food intake for a specific date. Users can also add their meals here
View Meal	Users can click on a meal they've recorded and see additional details about this meal.
Add Meal	Users can their meals, which includes the nutritional facts, photo, meal classification, name, and description.
Edit Meal	Users can edit the meals that they've already entered, just in case they need changing or updating.

Delete Meals	Users can also remove their meals if they wanted to, which will be automatically updated to the webserver.
User Profile (View and Edit)	Users can see and edit their user data such as name, password weight and height. Users can also see their BMI and can check whether their BMI is within the normal limit or not.
Change Password	Users can also opt in to change their passwords when they are logged in. This will now be an in-application changing accompanied by real-time update to the database.
Delete Account	Users can opt to delete their accounts. All data related to their account will also be deleted from the server itself.