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FoodTrack
Vision

Version 1.0

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Vision	Date: 20/MAR/2019
Project Vision.docx	

Revision History

Date	Version	Description	Author
20/MAR/2019	1.0	Initial Project Statement	Opriş Bogdan-Alexandru

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1. Introduction

Globally, each person is having several meals a day. The amount of calories ought to be monitored daily in order to provide a healthy and sustainable lifestyle. For those who are struggling with counting their food intake, FoodTrack is a modern approach of monitoring your daily eating amounts.

1.1 Purpose

The purpose of the FoodTrack system is to bring up a digital way to count the customer's daily calorie intake. Its aim is to encourage users into achieving a healthier lifestyle. The first step in our vision is to get rid of the daily stress of constantly tracking foods on a piece of paper or even in one's mind via a digital equivalent. The second step is to keep a database of all the available foods. The final step is to implement a new algorithm that will calculate a daily total of calories for each user based on the foods that they have eaten.

1.2 Scope

The following features will be covered by Food Tracking:

- User Authentication (Create Account + Login) – two types of users.
- View daily diary.
- View information about any selected food.
- Create a personal diary.
- Update diary.
- Delete selected meals from diary.
- Calculate calories based on selected foods.
- Nutritionists can view/update any food's nutrients.

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- Nutritionists can add/delete available foods.

The following services are out of the scope of this project and will be provided by other systems:

- Services that calculates daily workouts.
- Services of meal recipe recommendations.
- Payments of any kind.

1.3 Definitions, Acronyms, and Abbreviations

Throughout this and all related papers the following terms will be defined and understood by the reader as follows:

Term	Definition
Calorie	A number referred as the basic fuel source provided by foods that is needed to carry out and perform any and all functions of the body.
Food Nutrients	Information about any food in the list (i.e. calories, carbohydrates, proteins, fats).
Personal Diary	A user's daily list of their food intake (i.e. selected foods).
Nutritionist	A person who administrates the food database.

1.4 References

For further clarifications see the following resources:

- Project_UseCaseModel_CreateNewDiaryEntry
- Project_UseCaseModel_SeeDiary
- Project_SupplementarySpecification
- Project_Analysis_and_Design_Document

1.5 Overview

The upcoming sections of the document will describe the product positioning in the market, relative to other similar food tracking systems. We will then continue by describing the involved stakeholders, the end users, the end user environment and the product hardware and software requirements.

2. Positioning

2.1 Problem Statement

The problem of	Tracking daily food intake.
affects	Every person that want to count their calories.
the impact of which is	The number of people who want a healthier lifestyle.
a successful solution would be	To create a food tracking/calorie counter service for every person that wants to monitor their daily energy intake.

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2.2 Product Position Statement

For	People interested in having a healthy diet.
Who	want to track their total of energy intake.
The FoodTrack	is a Management System.
That	Provides a monitored eating lifestyle.
Unlike	Other products such as Samsung Health / Runkeeper / Google Fit
Our product	<ul style="list-style-type: none"> Provides a constantly monitored food intake. Assures the same services for anyone who owns a compatible device. Helps users monitor their daily eating habits.

3. Stakeholder and User Descriptions

3.1 Stakeholder Summary

Name	Description	Responsibilities
Implementation Team	The team developing the project.	Provide a clean implementation with minimum effort.
Medic	The doctor interested in monitoring their patients.	Monitor their patients daily habits and assure them a healthy lifestyle.
System Administrator	The person in charge with maintaining the system after implementation.	Ensures system integrates with other systems. Ensures system is maintainable. Provides valid data to the system database.

3.2 User Summary

Name	Description	Responsibilities	Stakeholder
User	The user that provides and selects the required data regarding the food.	View list of foods. View food information. Create a personal diary. Update/Delete item from diary.	He is a direct user.
Nutritionist	The person in charge of providing the most suitable nutrition information.	Provides proper food data. Keeps the data up-to-date regarding its nutrition values. Maintainer of database.	He is a direct user.

3.3 User Environment

User

A person that will use the application from their personal device, possibly at the moment of time when they have finished eating their food.

Nutritionist

As a nutritionist, the person will operate from a cabinet, having access to the food database, being able to manage it.

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4. Product Requirements

For either user, the product requires first of all a stable internet connection, a computer with at least 8 GB RAM, Dual Core processor, one monitor, mouse and keyboard.

The product must integrate with the current scientific nutrients of any food in order to succeed at tracking a valid total of calories/nutrients.