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| --- | --- | --- | --- |
| **Team number** |  | **Section** |  |
| **Team Members** | 1. Tanav Kudupudi 2. Saket Arora 3. Nick Tang | | |
| **Software Name** | LifeSmart | | |

## Problem Statement

The need for a place where the average person can track their health and fitness

information to reach their everyday health and lifestyle goals.

## Product Objective

This product solves the problem by tracking user nutritional data, fitness regimen, and health statistics. This product solves the problem by tracking the user’s day to day diet and fitness to give a detailed summary and suggestions to help reach their goals.

## Functional Requirements

This product has these features:

1. Tracks water intake
2. Tracks Fitness
3. Tracks caloric intake
4. Tracks nutritional data
5. Tracks sleep
6. Formulates suggestions/recommendations from the data provided such as height, weight, calories intake, etc.

## Use Cases

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Name** | | Track Nutritional Data | |
| Goal | | | |
| Allow user to enter nutritional data including meals, calories, macronutrient data. | | | |
| Participating Actors | | | |
| Client, End User | | | |
| Glossary | | | |
| Macronutrients: Essential nutrients required in mass by an organism in order to function properly  (proteins, carbohydrates, fats). | | | |
| Primary Flow of Events | | | |
| Trigger | | | |
| User clicks on “Track your Nutrition” | | | |
| **Steps** | **Action** | | **System Response** |
| 1 | None | | Opens new UI screen that requests Meals/Calories |
| 2 | User inputs a meal and it’s Calories and clicks enter 3 | | Opens new UI screen that requests  Macronutrients(Protein, Carbs, Etc.) |
| 3 | User enters nutritional data and clicks enter | | Loops back to step 1 Meals/Calories UI Screen |
| 4 |  | |  |
| 5 |  | |  |
| Alternate Flow of Events (copy as many as required) | | | |
| **Alternate Trigger** | | | |
| The user clicks on "Done" button | | | |
| **Steps** | **Action** | | **System Response** |
| 1 | None | | Closes nutritional data UI screen |
| 2 |  | |  |
| *3* |  | |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Name** | | Track water intake | |
| Goal | | | |
| Allow user to enter water intake from home screen | | | |
| Participating Actors | | | |
| Client, End User | | | |
| Glossary | | | |
| Define any complex concepts, abbreviations or acronyms  N/A | | | |
| Primary Flow of Events | | | |
| Trigger | | | |
| User clicks on “+” button next to water icon | | | |
| **Steps** | **Action** | | **System Response** |
| 1 | None | | Increments water count(in cups) by 1 |
| 2 | None | | Updates recommendations on home screen |
| 3 |  | |  |
| 4 |  | |  |
| 5 |  | |  |
| Alternate Flow of Events (copy as many as required) | | | |
| **Alternate Trigger** | | | |
| The user clicks on "Done" button | | | |
| **Steps** | **Action** | | **System Response** |
| 1 | None | | Updates water count(in cups) by 1 |
| 2 |  | | Updates recommendations on home screen |
| *3* |  | |  |

## Mockup

Chart, pie chart

Description automatically generatedChart, pie chart

Description automatically generatedChart, pie chart

Description automatically generatedChart, pie chart

Description automatically generatedGraphical user interface, text, application, chat or text message

Description automatically generatedGraphical user interface, text, application

Description automatically generatedGraphical user interface, text

Description automatically generatedGraphical user interface, text, application, chat or text message

Description automatically generatedGraphical user interface, application

Description automatically generated

## Glossary

|  |  |
| --- | --- |
| Macronutrients | Essential nutrients required in mass by an organism in order to function properly (proteins, carbohydrates, fats). |
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