**2**

**2.1**

**Product Perspective**

<Insert APPLICATION name here> is designed to be a stand alone application running on an Android smart phone, that will allow users to better track and manage their meals so they can become more healthy and improve their wellbeing.

It will be able to have users simply and easily take a photo of their meal, tag ingredients, and upload it to social media.

From data inputted it will generate and ORAC from these “TAGS”, and generate a shopping list from the TAGGED ingredients from a selectable amount of meals saved.

The images uploaded to social media will also have the following information: location, personal user rating, and the type of food. The data can be queried and sorted by information uploaded with the image.

**2.2**

**Product Functions**

The APPLICATION shall positively change people’s eating patterns using the ORAC rating method. The APPLICATION shall also allow better tracking of their meals they are eating, or would like to eat by using the ORAC rating method. It shall automatically generate an ORAC rating, by reading the information input by the USER.

The APPLICATION shall use publicly available information on the ORAC rating system, using a database populated with ingredients and their ORAC RATING. The Application will provide consistent information base on this this method, ensuring it is better known within the health industry. The USER generated data will populate the web server database with relevant information about healthy meals.

The APPLICATION shall allow the USER to capture images of their meals and TAG the meal. The USER may enter the geolocation and personal rating to further provide better information about the meal. It will allow users to upload their saved meals to social media.

The APPLICATION shall provide the option to generate a list of ingredients for user selected meals. The APPLICATION shall allow users to group their meals in various ways, include TAG, GEOLOCATION, PROXIMITY, ORAC RATING, USER RATING.

The APPLICATION shall allow users to search through the database of meals by the following categories; TAG, GEOLOCATION, PROXIMITY, ORAC RATING, USER RATING.

The APPLICATION shall also positively change people’s eating patterns by providing health tips and provisions for further health and wellbeing advice.

**2.3**

**User Classes / characteristics**

There are three main types of users in the <application>

Type 1 - Administrators: Administrators are responsible for maintaining the backend of the APPLICATION. The main focus will be on moderating the types of photos that are being shared using the APPLICATION and whether they are relevant types of food and/or drink.

Type 2 - Users Interested in Improving Their Health: Anyone that purchases the APPLICATION and is interested in improving their health. The majority of functionality within the APPLICATION is focused towards improving the health of end users.

Type 3 - Health Industry Representatives: Health industry representatives such as personal trainers. This user type uses the application to benefit other non-users.

**2.4**

**Operating Environment**

The APPLICATION must be supported by Android and IOS. The software for the APPLICATION must be written in a language that allows for it to be compatible for possible web browser use.

The APPLICATION must be downloadable by Android's 'Play Store' at all times. A direct link through the Clients website will be supplied for easy access to the downloadable Application.

This allows for all software and hardware platforms to access the system without compatibility issues and will also prevent vendor lock in and support future upgrades.

Future implementation for an application based interface may also be considered, with the possibility of running on Windows or IOS devices.

The APPLICATION data-storage and server-side components will require a web server to store and access data of the APPLICATIONs users. This will allow information to be stored from any user and populate a searchable and sortable database for ALL users.

It is not anticipated that the APPLICATION will place an onerous strain on server resources and therefore the use of a web server hosting the database will be adequate until such a time that the strain deems it necessary to upgrade the server-side components.

The APPLICATION must be available for 24 hour use, 7 days a week with 100% certainty. Updates will be released and notify the users to download at their leisure.

The APPLICATION must be available to use both offline and online, noting that full functionality will only be supported while online.

Note that future versions of the APPLICATION may demand enhanced hardware and/or the upgrade of the server-side components.

**2.5**

**User Documentation**

- Include an in-app interactive tutorial page that walks the user through on how to use the apps features. This tutorial would also run automatically on the first run.