Cadence Health

Final Report

Mobile Application

Version 1.0, 13/11/14

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# Introduction – Daniel

RateMyPlate is the mobile application that has been developed on the Android operating system for the business Cadence Health.

The focus of the application is on the Oxygen Radical Absorbance Capacity (ORAC) rating, which is a method of measuring antioxidant capacities in biological or food samples.

Dieting is currently being used as a means to lose weight, although research shows that dieting yields negative results in the long run as it promotes low self-esteem towards body image. The purpose of the mobile application was to help create a shift away from dieting and calorie counting, to a move towards healthier eating.

This has been achieved through the use of functions and tools available within the application such as the ability to view a meals ingredients and its subsequent ORAC rating. The details of which are further discussed within this document.

# Project Planning - Daniel

Deliverable 1: Feasibility Study (Monday 18/08/14):

In the first deliverable the group discussed the feasibility of the application mainly looking at the functionality it would provide. A number of issues arose when the requirements the client wanted in the application were beyond the expertise of the team. After a brief discussion a set of compromised functionalities were agreed upon.

Deliverable 2: Project Plan and Requirements Document (Monday 08/09/14)

A week before the second deliverable was due, a meeting with the client was held to discuss which functionality would be classified as core functionality and which functionality would be classified as secondary functionality. With secondary functionality to be started once core functionality was completed. This was due to the timeframe permitted to deliver the project.

Deliverable 3: Updated Project Plan, Updated Requirements Document, Design, Test Cases, Prototype (Tuesday 07/10/14)

A week before the third deliverable was due the team once again met up with the client to primarily present the first prototype and receive feedback. Upon discussion with the client after the presentation the team decided to implement two new functionalities, the first being the ability to access photos stored locally on the phone as well as choosing to take a photo at the time of application use. This was marked as core functionality. The second was the ability to upload old meal captures to the remote server. This was marked as secondary functionality.

Deliverable 4: Updated Project Plan, Updated Requirements Document, Updated Design, Updated Test Cases, Updated Prototype (Friday 31/10/14)

After presenting the second prototype of the application to the client the team sat down for a discussion to hear the client’s opinion on progress thus far. A final piece of functionality was proposed, the ability to review a captured meal and show exactly how each ingredient contributes to the final ORAC score. The client then walked the team through the exact color scheme she would like in the final version of the application as well as a change in images representing different functionalities of the application.

Deliverable 5: Project Presentation and Software Demonstration, RTM, User Manual and Final Report (Thursday 13/11/14)

Final Deliverable: Delivery of Product to Sponsor (Thursday 04/12/14)

At the time of writing this report the final application is yet to be delivered so it is relatively early to draw final conclusions, although it is the teams opinion that the amount of meetings with the client was adequate as it was difficult to discuss functional requirements with the client without providing visual aids, such as mock designs and prototypes. If the amount of meetings was cut in half the final application presented may have looked and operated in an unrecognizable fashion compared to the one currently being developed.

# Requirements and Analysis - Nick

# Design - Nick

# Implementation - Nick

# Conclusion - Daniel

# RTM - Nick