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| Goodie Foodie App |
| Project Vision Document | |
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| **9/30/2022** | |

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**Document Approval List**

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# Introduction

## Purpose

The purpose of this project is to create a mobile application(Goodie Foodie) that is designed to improve culinary experience and educate home cooks. With the collection and computation of big data, a variety of cooking methods will be automatically presented for selection. Later in this document the stakeholders’ needs, target users and why these needs exist will further be discussed in detail.

## Scope

### In Scope

This project is about the creation of Goodie Foodie(GF) mobile app, which will be developed by the Eat Fresh Company. This all-in-one app focuses on one goal, making cooking easier for everyone. The functionalities include but are not limited to listing recipes for selected ingredients, providing questioning and sharing platforms, built-in expiration date tracking system and online grocery shopping. But for an application to be successful, it must have a simple design structure that combines mouthwatering food snapshots with an easy way to master recipes.

### Out of Scope

This project will not include photo recognition for ingredient selection.

## Definitions, Acronyms, and Abbreviations

GF – Goodie Foodie

## References

TBD

| Reference File Name | Version | Description |
| --- | --- | --- |
|  |  |  |
|  |  |  |

# Positioning

## Business Opportunity

Nowadays, more people acknowledge the importance of eating healthily and prefer homemade food. However, some of the problems we face are not knowing what or don’t know how to cook. In order to let everyone enjoy cooking and improve their skills without worrying, our system could alert users the expiration date of the ingredients they bought, generate recipes based on the available resources they own and quickly buy missing ingredients online and have them delivered. Users could also share their cooking tips and get help from others. The development of the Goodie Foodie APP is to show more users a comprehensive variety of food preparation methods, which can help everyone learn more cooking methods.

## Problem Statement

|  |  |
| --- | --- |
| The Problem of | Don't know how and what to cook |
| Affects | People who prefer home cooked food |
| The impact of which is | Tired of eating similar food due to lack of cooking skills and knowledge |
| A successful solution would be | A free mobile app that could generate a list of recipes for selected ingredients where people can try out new recipes |

Table 1 Problem Statement

## Product Position Statement

|  |  |
| --- | --- |
| For | People who prefer home cooked food |
| Who | Feels the need to improve their limited cooking skills by learning from a free mobile app that could provide a variety of recipes and ask questions and exchange cooking tips from others |
| The Goodie Foodie | is a software product |
| That | Provides the ability to generate recipes for selected ingredients, sharing platforms, built-in expiration date tracking system and online grocery shopping. |
| Unlike | many cooking apps out there do not support expiration dates tracking and online grocery shopping. |
| Our product | Not only does it allow users to search recipes from ingredients they have at home, but also provides the opportunity for users to enhance their cooking skills and create their own recipes which could be shared online. |

Table 2 Product Position Statement

# Stakeholder and User Descriptions

## Stakeholder Summary

| Stakeholder Name | Represents | Role |
| --- | --- | --- |
| Software Developer | This stakeholder represents the people tasked with the project technical development. | Responsible for the technical development, testing, and maintenance of the application. |
| Project Manager | This stakeholder represents the person overseeing the project development. | Responsible for keeping track of the project progress, resolving problems that may or may not occur, communication between team members, and issuing tasks. |
| System Analyst | This stakeholder represents the person that gathers and analyzes other stakeholders’ needs | Responsible for use-case modelling based on system’s functionality. |
| Technical Reviewer | This stakeholder represents the person that maintains the system regularly. | Responsible for technical review and giving feedback including potential errors and risks during the development process. |
| System Administrator | This stakeholder represents the person that maintains the application system. | Responsible for maintaining the network for the system that the application runs on. |
| Database Administrator | This stakeholder represents the person that creates and maintains the project database. | Responsible for creating and maintaining the database that the application depends on. |
| Supermarket Owner | This stakeholder represents the business partner that will provide grocery goods for users to shop. | Responsible for supplying the ingredients for the order placed by user. |
| Students (User) | This stakeholder represents the people interested in using this application. | Responsible for using the end-product and giving user feedback. |

Table 3 Stakeholder Summary

## User Summary

| User Name | Description | Responsibilities | Stakeholder |
| --- | --- | --- | --- |
| Supermarket Owner | End user of the system | Restocking and updating the food supply on the application, delivering food to customers. | self |
| Student (Users) | End user of the system | They use the end product of this project and report any issues within the application. | self |
| Customer Service | Customer service representatives work with users who have complaints in the application, orders, or need information about products. They also offer solution tailored to these individual situations and prioritize the needs of clients at every step of the process. | Reporting issues the application. |  |

Table 4 User Summary

# Stakeholder Requirements

| ID | Requirement | Stakeholder |
| --- | --- | --- |
| STK001 | A person in charge of the supermarket can decide whether they want to sell products online through this application. | Supermarket Owner |
| STK002 | A person who prefers to cook at home and enhance their cooking skills. | Student (Users) |
| STK003 | A person that can code, test, debug and maintain the application. | Software Developer |
| SKT004 | A person that leads and facilitates many project components, with great communication skills between stakeholders, identifying their needs, and managing their expectations of a project. | Project Manager |
| SKT005 | A person that has knowledge of use-case modelling and utilizes it to fit this project. | System Analyst |
| SKT006 | An experienced software developer that can give feedback after doing a technical review for any potential risks or errors. | Technical Reviewer |
| SKT007 | The person that maintains the system for the application. | System Administrator |
| SKT008 | The person that can create a well-designed database structure and maintain it. | Database Administrator |

Table 5 Stakeholder Requirements

# System Features

| ID | Feature | Stakeholder Requirement ID |
| --- | --- | --- |
| FRT001 | The system is built to automatically track the expiration date of ingredients for users when the user upload date to application that keep food fresh. It could trace a lot numbers, such as expiry dates and best before dates. Hence, the system will send notifications automatically to remind user food is expired soon. This is going to prevent expired goods from personal mistakes. The reason why the feature is needed is because expired food could cause health issues from upset stomach to serious food poisoning. | STK003 |
| FRT002 | Users should be able to search recipes by preferences and be redirected to the recipe original webpage. | STK003 |
| FRT003 | Users should be able to post, share, comment and like because this application is meant to allow users to interact and share their experience. | STK003 |
| FRT004 | Users should be able to order ingredients from grocery store or supermarket. | STK001 |
| FRT005 | Grocery stores should be able to upload all the goods information when they are put on sale. It allows ‘person shopper’ to do their job in quite convenient way, they could search for items that customers need in any aisle quickly. | STK001 |
| FRT006 |  |  |
| FRT007 |  |  |
| FRT008 |  |  |

Table 6 System Features

# Assumptions

Our team had identified the following assumptions with regards to the project. Further assumption will be added after project approval:

* Users will be able to generate recipes when ingredients are inputted
* Users would be able to post and share their own cooking or any cooking-related thing
* Users can comment and like a post
* The application should be able to track the expiry date of ingredients given by users
* Users can shop online for missing ingredients

# Constraints

For this project, our team identified the following constraints. Further constraints will be added after project approval:

* Copyright issues for using recipes.
* Suppliers cannot restock and deliver ingredients.
* The posted content may not be relevant or appropriate to our application.
* The ingredients users bought online may not be fresh.
* Payment invalid for online grocery shopping.