
Foodinit

**Online Restaurant
Software Requirements Specification**

Version 1.0

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Software Requirements Specification	Date: 20/10/2020

Revision History

Date	Version	Description	Author
20/10/20	1.0	Documented the Software Requirements Specification for the first time with a use case model diagram and a layout of the system to be produced	Mumtahid Akash Anvinh Truong MD Hossain Myriam Yumbla Sajid Mahmud

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Software Requirements Specification

1. Introduction

This section is designed to give a brief description and overview of the system. We will build an online restaurant order and delivery system so that the restaurant can provide menus of food as customers can browse the menu and order through the system.

1.1 Purpose

This section is designed to give a brief description and overview of the system. We will build an online restaurant order and delivery system so that the restaurant can provide menus of food as customers can browse the menu and order through the system

1.2 Scope

The system will help the customer find a specific restaurant nearby. The system will provide three options: Menu, Order for Pick-up, and Order for Delivery. Customers will have access to the price on the menu page and the system will have a feature for the customer to pay for their purchase by adding their funds into the system. A point-based feature will track a customer's purchase history, rewarding them with a certain percentage discount on their next purchase. The system will also have a feature where customers can reserve the seat for dine-in.

1.3 Definitions, Acronyms, and Abbreviations

Term	Definition
Registered Customer	Ordinary customers who can browse, order and vote food delivered.
VIP Customer	Customers who spend more than \$500 or place 50 orders as registered customers. They'll also receive 10% discount of their ordinary orders.
Manager	An employee who processes customer registrations, handles customer compliments and complaints, hires/fires/raises or cuts pay for chef(s) and delivery people.

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Employees	People that work and manage a restaurant, including waiters, chefs, managers.
Surfer	A customer who browses the menu, and the reviews.
Chef	An employee that prepares the food at the restaurant.
Delivery Person	An employee that delivers the food to the customers' houses.
Reservation	A customer could book their table at the restaurant in advance.

1.4 References

This section is not applicable to this Software Requirements Specifications at this point in our design

1.5 Overview

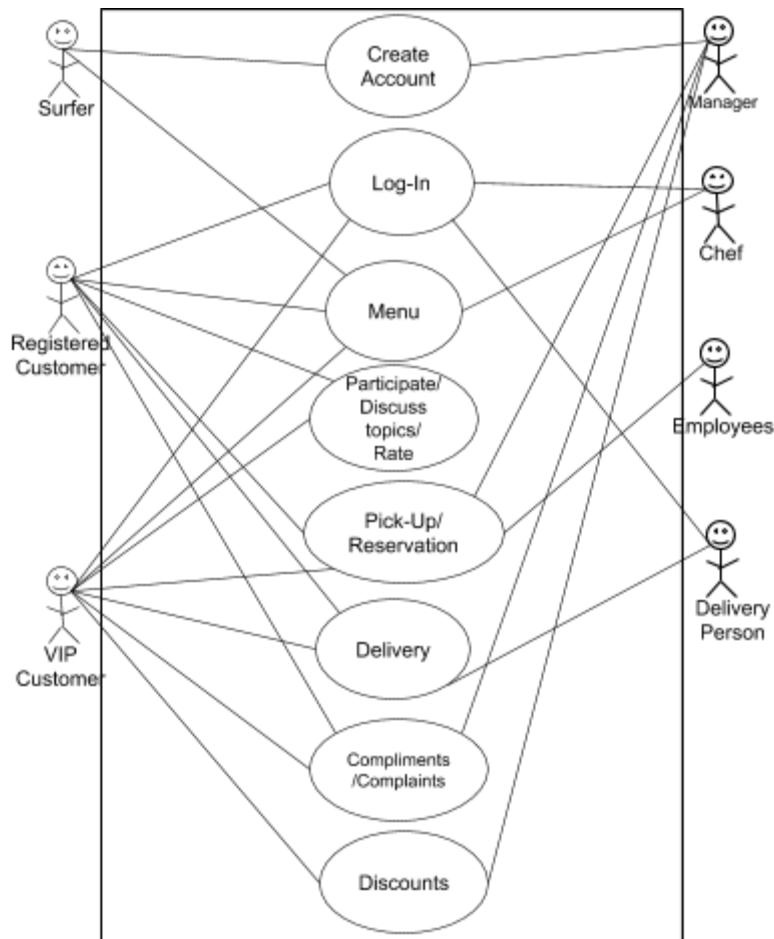
This section will give an explanation as to what the following chapters will contain for this Software Requirements Specifications document. Chapter 2 will contain the overall description and a use case model survey for this project. Chapter 3 will detail the specific and supplementary requirements for this project along with a use case report

2. Overall Description

A simple and easy to use application that will help customers find specific restaurants nearby in a fast and efficient amount of time. A simple and elegant user interface will be created to help newer users to understand the functions provided to help find a restaurant nearby. Rewards will also be given to those who frequent the application to further develop a user base.

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2.1 Use-Case Model Survey



2.2 Assumptions and Dependencies

One assumption about this system is that any device it runs on, the system will have a reliable and stable internet connection. If the internet connection is unstable or poor, the user will have a terrible time navigating through the system and the overall experience will be negative. For example, a user is trying to order delivery from a particular restaurant, but in the middle of getting ready to proceed to pay, the connection to the system abruptly ended. In this scenario, his/her task will be incomplete and it would seem that the system failed them.

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3. Specific Requirements

This section covers the full functionality and quality of the system. It gives a detailed description of the system and its features. For this system, the main aspect that needs to be discussed in detail will be the user interface and user experience. The user interface needs to be friendly and easy to understand so that new users can find their way around the system easily. As for user experience, if the user interface is easy to navigate then it will certainly transition to a better user experience for the users.

3.1 Use-Case Reports

There are multiple interactions between the ordinary users (LHS), the privileged users (RHS) with the functional requirements (features) of the system. Which include the following:

- Surfers can create an account and become a registered customer if they are interested in anything from the menu in order to access the rest of the features available for our customers.
- The manager also has access to 'create an account' in case the surfer encounters any issue while doing so.
- The log-in feature is for the Registered and the VIP customers . The chefs and the delivery guys have a log-in as well since the chef has to edit the menu and the delivery guys need the customers address.
- The menu can be accessed by all the ordinary users (surfer, registered and VIP customer); however, surfers can only view it and only the VIP customers have special dishes
- The chef will be able to add or remove items to the menu and its description
- Only the Registered and VIP customers can do ratings and participate or discuss topics of their choice. Surfers on the other hand will only be able to view the ratings.
- Pick-up/reservation is used by the registered and VIP customers where they can order or make a reservation to dine in and avoid the wait. This is also accessed by the employees to make sure the customer is not left waiting.
- Delivery is for both registered and VIP customers and the delivery person is able to see only their address to deliver to them.
- Compliments/complaints are made by the delivery guys, registered and VIP customers, chefs are able to view the compliments/complaints but they are only handled by the manager. If any inappropriate words are written rather than seeing the word it will be displayed with ***.
- The discounts feature is only for the VIP customers to have access to, in which they are given a 10% discount once they reach 50 orders or have already wasted 500\$ at FoodInit, the manager ensures they receive their discounts.

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- The software is able to handle multiple users without affecting the capacity of each of the features. All the information handled when creating an account like payment information is handled securely.

3.2 Supplementary Requirements

Execution: The system should be reliable enough to handle the customer's requests to view a specific restaurant and process payments between the user to the restaurant. It should be able to handle all of these requests within any moment of time without having any errors or failures.

Accuracy: The system should be able to identify each role of a given person, whether it be a surfer, manager, chef, vip, etc. Any errors with role management is a problem that needs to be fixed.

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4. Supporting Information



The image shows a prototype layout for the Foodinit Application. It features a light blue background. At the top left is the Foodinit logo, which consists of a blue circle containing a white fish silhouette, with the word "Foodinit" in black text below it. To the right of the logo is the text "Foodinit Application" in a bold, dark blue font. Below the logo and title is a horizontal navigation bar with four links: "Home", "Menu", "Orders", and "Locate Us", all in a small, dark blue font. To the right of these links are two buttons: "Sign Up" and "Log in", both in a small, dark blue font. Below the navigation bar is a section titled "Popular Dishes" in a bold, red font. This section contains three images of food: a burger with lettuce, tomato, and cheese; a plate of fried chicken; and a bowl of soup with vegetables and a white spoon. Below the "Popular Dishes" section is a "Contact us" section. It contains the text "Contact us" in a bold, black font, followed by "Name:" and "Email:" in a small, black font. Below each label is a white input field. At the bottom of the "Contact us" section is a button labeled "SUBMIT" in a small, black font.

This is a prototype layout for what the system will look like.