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Dine-out

Software Requirements Specification

For Online restaurant order and delivery system

Version <1.0>

Revision History

Date	Version	Description	Author
<20/10/20>	<1.0>	<phase 1 report>	Team S

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Software Requirements Specification

1. Introduction

The introduction of the Software Requirements Specification (SRS) provides an overview of the entire (SRS) with purpose, scope, definitions, acronyms, abbreviations, references, and overview of the SRS. The purpose of this document is to collect and analyze all features needed to produce an Online restaurant delivery system Software and to give insight on all the terms and use-case models shown in this document.

1.1 Purpose

The purpose of the Software Requirements Specification document is to provide a detailed description of the development, maintenance, and use of a Restaurant Online Order and Delivery System. The document illustrates the purpose and complete declaration for the development of the system. The document also explains system constraints and the interface. This document applies to both the developers and the customers and is used to outline the system.

1.2 Scope

This Software Requirements Specification outlines the use-cases, functional requirements, and non-functional requirements of the online order and delivery system.

The online order and delivery system will

- Build a web-based application to help the restaurant to streamline their products and services.

- Allow restaurant superuser to

    - Process customer registrations.

    - Handles all feedback from restaurant members and customers.

    - de-register a customer or cancel a VIP status.

    - manages (fire/hire/raise pay) of other restaurant members.

- Allow registered and non-registered customers to browse, search, and view the ratings of the restaurant.

- Allow registered customers (only) to order and rate on food delivered, and join discussion forums within users regarding the menus, food, and services of the restaurant.

1.3 Definitions, Acronyms, and Abbreviations

Term	Definition
Surfer	Someone who interacts with the application but has not registered for an account yet.
Customer	Users who have registered for an account. They can order food and leave reviews
VIP	VIP is a customer who spends over $500 with the restaurant or has placed over 50 orders whichever comes first. (VIP subset of customer)
Manager	Process customer complaints/reviews. Handles hiring/firing people.
Demotion / Promotion	Demotion can occur if you have 3 complaints. A promotion can occur if you have 3 compliments. 1 complaint can cancel 1 complement and visa-versa. A chef or delivery driver who is demoted twice will be terminated from the restaurant. Chefs can also be demoted if no one orders food from their menu for 3 consecutive days.
Django	Python-based free and open-source web framework
Python	High-level dynamic object-oriented programming language
SRS	Software Requirements Specification

1.4 References

https://www.djangoproject.com

1.5 Overview

This SRS document is divided into multiple sections. The first section provides a brief overview of the SRS, specifying the purpose, scope, and provides the definitions of all terms, acronyms, and abbreviations required to properly interpret the document.

The remaining sections of the SRS will discuss general requirements for the website. This will be in the context of different users, the importance for each user, the effect of users on the website and restaurant, and the navigation of the website. The second section of the document will have a description of the project and have a description of the use case model survey. The third section involves the requirements for the project

to design the website. The third section also involves different cases and requirement functions for the use case model.

2. Overall Description

2.1 Use-Case Model Survey `
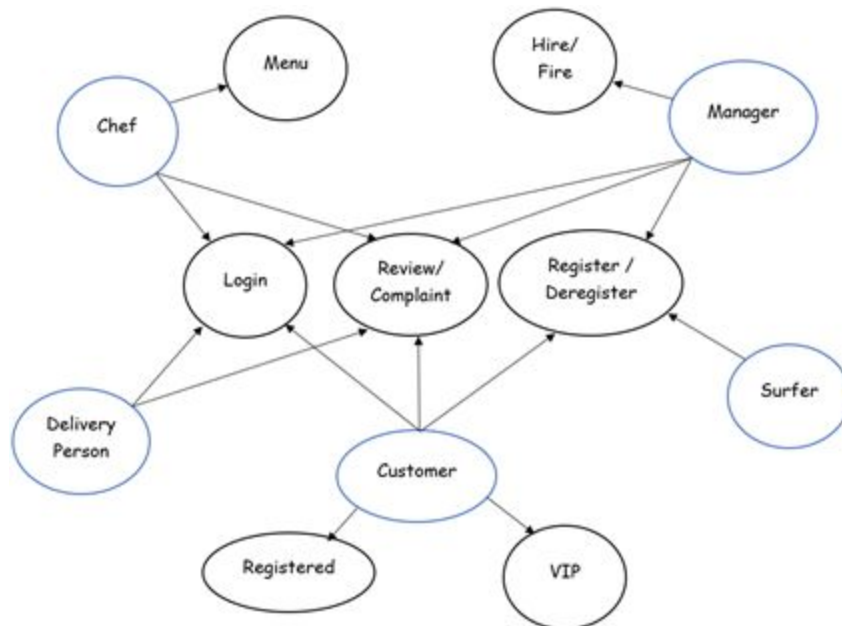
The actors are Chef, Manager, Customers, Delivery Person, and Surfer. Chef and delivery person are <included> in the package of employees. The VIP and registered customers are <included> in the customer package. Both are different rankings of customers. For reviewing and complaints, it is <extended> to the delivery person, customers, manager, and chef. The Register option is <extended> to the surfer, manager, and the customer.

2.2 Assumptions and Dependencies

One assumption about the application is that it will always be used on any computers that have enough performance to browse. If the computer does not have enough hardware resources available for the application, for example, the users might have allocated them with other applications, this could cause performance and usability issues for the user.

3.   Specific Requirements

3.1   Use-Case Reports

- Chef and delivery persons are <included> in the package of employees. Chefs and delivery persons are handled by the manager. Chefs and delivery persons can be left reviews by users. These reviews will impact their income from the restaurant and their employment status. (3.2 supplementary info)

- The VIP and registered customers are <included> in the customer package. Both are different rankings of customers and are considered as registered on the website. If a customer spends over $500 or places over 50 orders with a restaurant their status is elevated to VIP. A customer's status on the website will affect how heavily their reviews/ratings are factored into the restaurant's rating.

- For reviewing and complaints, it is <extended> to the delivery person, customers, manager, and chef. There are cases when the delivery and customer could have the option to review each other. Each of the reviews can affect the status of the customer and the delivery person's pay. The customer can review the food received and the Chef's pay will depend on these reviews. The manager witnesses the reviews and decides how it affects the employees and the customers registered on the website. (3.2 supplementary info)

- The Register option is <extended> to the surfer, manager, and the customer. The manager decides who gets to be a registered customer and will be able to de-register depending on reviews. If the customer receives 3 warnings then the customer can be deregistered. Another case, when the surfer would register also depends on the manager and would have to review it.

3.2   Supplementary Requirements

- Chef and delivery drivers can dispute unfair or untrue reviews. If a chef or delivery person feels that a review is untrue or unfair they can dispute the claim and a manager will have to make a final decision on if the review will count or not.

- Customers who leave malicious reviews or make verifiably false claims in their review will receive a mark on their account. A user who consistently abuses the review system will be terminated. Managers are the ones who decide if a review is malicious or false.

4.   Supporting Information

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