
The Golden Experience

Online Restaurant

Software Requirement Specification

For Online Webpage

Version 1.0

Revision History

Date	Version	Description	Authors
10/10/20	1.0	Web page for restaurant that process food orders and manage restaurant employees	Ali, Phyto, Eram, Ravid, Mitchell

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Introduction

This section will be a brief introduction of the entire SRS document. Included we have the Purpose, Scope, Definitions, acronyms, abbreviations, references and the Overview.

This document was provided to us by professor Jie Wei.

Purpose

The purpose of this Software Requirement Specification is to provide more insight into and a more detailed description of the Online Restaurant that will be developed this semester. This document will explain the objective, features, the type of users, capabilities of every user and how the online system will work.

Scope

This restaurant will be a web application for ordering [fine dining] from users that are 3 to 4 miles. To order, users must give their location through either the use of entering the information manually or allow the website to have access to their location. Our menus will have specific items with ingredient lists and an instruction box in case users have a preference to how their food is cooked.

Definitions, Acronyms, and Abbreviations

ReactJS	Front end JavaScript library
NodeJS	JavaScript runtime environment
Entiree	The main dish in a meal (A steak, burger, etc)
Appetizers	The side dishes in a meal (fries, vegetables, etc)

Chef	Creates menu and prices, cooks food
Owner/Manager	Decides pay for chefs, delivery people and handles account reviewing
Customers	People who order food from our restaurant
Delivery person	Person who delivers food from restaurant to customers
Firebase	Backend, hosting, and user authentication tool by Google

References

Software Requirement Specification - [spec_sample.pdf](#)

Overview

The sections above all describe the purpose of our restaurant, type of food we create and sell. Included is also the people we cater to and the acceptable distance between where they order from and our restaurant. Finally the definitions for the specific terms we use in this report and will use in the scope of our project and the references used to create this document. This information is subject to change as this is a living document and revisions are expected when developing a project.

Overall Description

Use-Case Model Survey

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Assumptions and Dependencies

- The restaurant and customers are based in New York City and the currency used is USD.
- All parties have stable internet connection and since it is a web application any browser except for Internet explorer is used since React is not compatible with Internet Explorer.

Specific Requirements

Use-Case Reports

User Class 1 : Customer (VIP, Registered Customer, Guest/Visitor)

Use-Case: Sign up/Register

Description: Customers can apply to be a registered customer, so that they can place order and rate on the quality of the delivery and food. The application will be reviewed by the manager who will either accept the application or reject it.

Use-Case: Log in

Description: Customers are required to log in to place orders and rate the food and delivery quality. Upon logging in, Registered and VIP customers would be shown top 3 dishes based on their previous purchases and surfers will see top 3 popular dishes.

Use-Case : Browse/Search Menu and Ratings

Description: Customers will be able to browse through the menu and ratings.

Use-Case: Start/Participate in discussion forum

Description: Registered and VIP customers can start and participate in discussion forums.

Use-Case: File complaints/Compliments

Description: Customers can file complaints/compliments to both the delivery and chief personale. Such files are handled by the manager/superuser.

Use-Case: Vote

Description: Registered customers of any status can vote on dishes, services, and also time of delivery. Voting could also lead to a discussion on a particular dish/service.

Use-Case: Order

Description: Registered customers of any status may order food to be delivered to a specified location within 3 - 4 miles of the restaurant's location.

Use-Case: Reserve seating

Description: Customers can reserve seating in a restaurant on the web application/via telephone provided by the site.

Use-Case: Deposit money

Description: Customers can deposit money into their accounts which can be credited for purchases.

User Class 2 : Chef

Use-Case: Log In

Description: Chefs are required to log into the website in order to make any changes to their menus / view their current rating and status held within the restaurant. The menu greeted would be a slightly different site as they will only have access to managing menus, rating, status, same level access as customers, and possible moderation of discussion forums to introduce new concepts or menu items.

Use-Case: Manage Menu

Description: Interface would include an upload feature in which the chef can make a pdf copy of their menu and upload it to the manage menu page.

Use-Case: Dispute complaint

Description: A chef who has received complaint(s) can bring it up with the manager/superuser and prove their reasoning. Once decided, the manager/superuser will make the final decision to dismiss or issue a warning affecting the chef's current status.

User Class 3: Delivery

Use-Case: Log In

Description: The delivery person is required to log in to view current orders/bid on pending orders that are ready for delivery.

Use-Case: File complaint/compliment

Description: Like the customer, the designated delivery person can issue a complaint/compliment towards the customer/chef. The same scenario applies in which the manager/superuser manages these cases that can result in dismissal or warning.

Use-Case: Compete for food delivery

Description: On this page, multiple delivery personale can click bid for an order pending delivery. If one personale beats the other, a notification will pop up indicating that the order has been claimed.

Use-Case: Dispute complaint

Description: Like the chef, delivery personnel can rebuttal the complaint and present their side to the complaint in which the manager/super user can make the final decision.

User Class 4: Manager

Use-Case: Log In

Description: Manager is required to log into the site in order to manage the overall site and employees. On log in, the site would present them with the control panel which has the options that lead to approving/declining newly made accounts, access to chef's menu, administrative access to discussion board, and complaints.

Use-Case: Manage customers

Description: Manager can decide whether to approve or deny surfers to become registered customers. Manager also handles deletion of accounts and clearing of deposits.

Use-Case: Manage complaints

Description: Manager makes the final call to complaints and can decide whether to dismiss the complaint or convert it into a warning and has to inform impacted parties of the decision. If complaints are proven to be discredited warnings will be sent out to the specific customer or deliverer.

Use-Case: Manage pay

Description: Managers can manage pay of chefs and delivery including cutting and raising pay. This is also done with the help of the complaints and compliments that come from customers.

Use-Case: Manage taboo list-word

Description: Managers will be able to manage a list of taboo words. Taboo words are covered by asterisks and customers receive warnings based on using taboo words. A sentence with more than 3 taboo words is blocked automatically.

Supplementary Requirements

Adaptability: Due to the future implementations of not only a discussion board and login system, it is important to take into account the trafficking that will occur on the site. With

this in mind, assuring that the system itself can handle the average load that it will undergo is important to prevent the web app itself from crashing.

Software Portability: In order to continue the success of the restaurant assuring that the site can support multiple platforms and browsers is something that will be useful to boost the business itself as a whole. All whilst maintaining the same level of design in their respected browser. An implementation for mobile usage will also be in play which will maintain simplicity.

Performance: Another situation to take into account is with both the front and back end of the web application itself. Even if the implementation of the site is nicely done, the backend must have a stable connection to ensure the steady flow of traffic does not buffer or delay the users of the site, which in return can decrease usage and result in some complaints that can bring the business to either a halt or standstill.

Usability: For a person ordering/placing a request, they would need to roughly go through ~3 pages to complete their order. In terms for understanding the user interface, the user should be able to pick up what they need to do based on a simple and clean design. Ideal goal is to prevent cluttering all the information on a page and spread it out into their respective sections.

Appendices

Appendix 1 - Use Case Diagrams

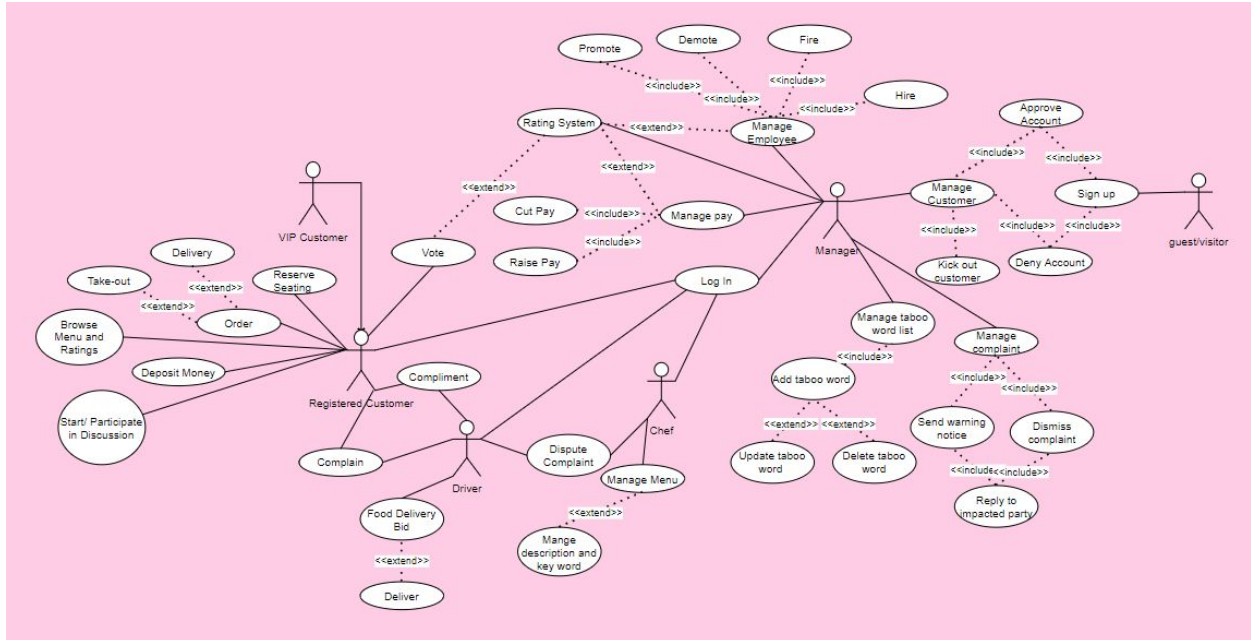


Figure 1: A detailed diagram of the use cases. For detailed information view [Use-Case Reports](#) under the Specific Requirements section.

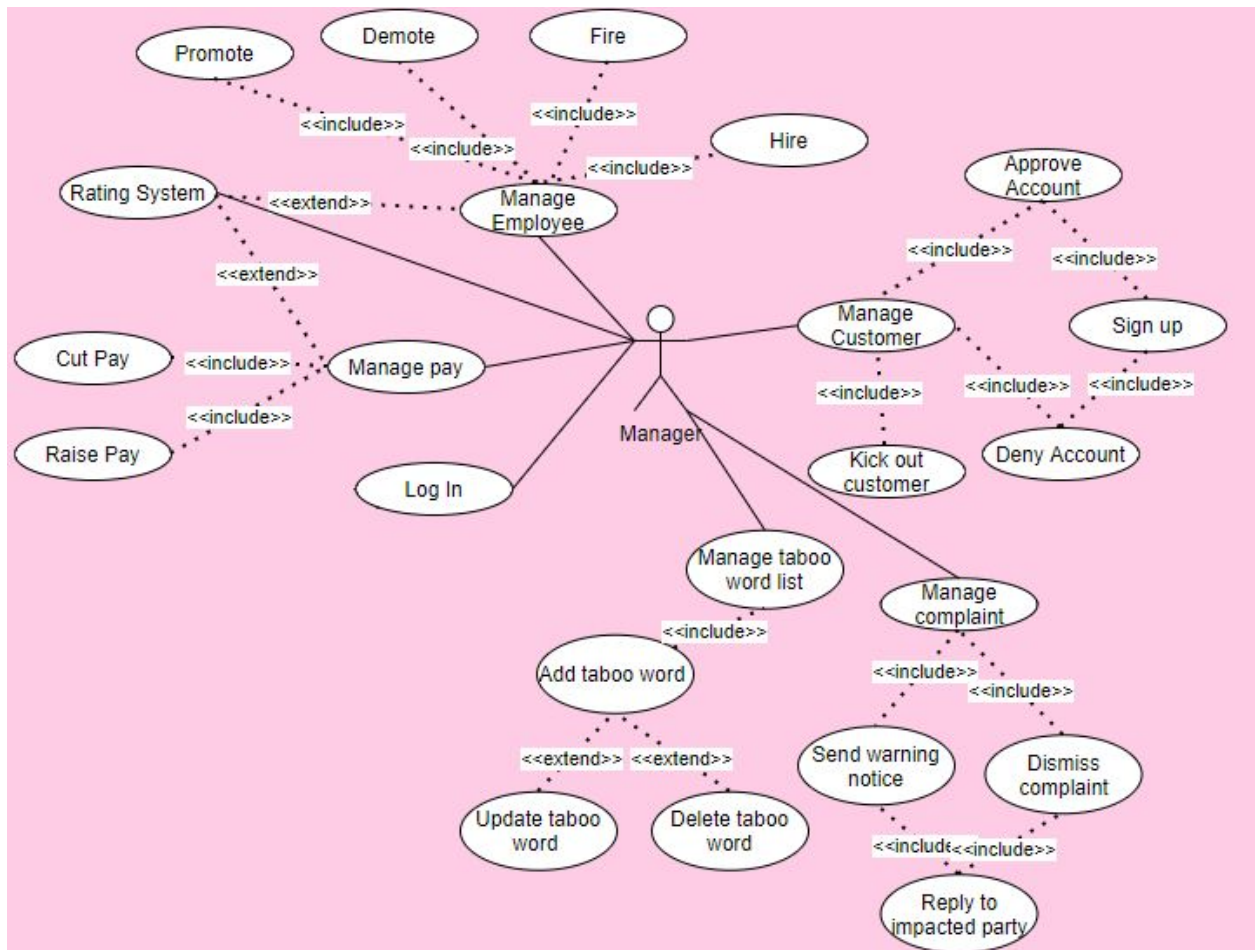


Figure 2: A snapshot of the Manager use cases. For detailed information view the [User Class 4: Manager](#) in [Use-Case Reports](#) under the Specific Requirements section.

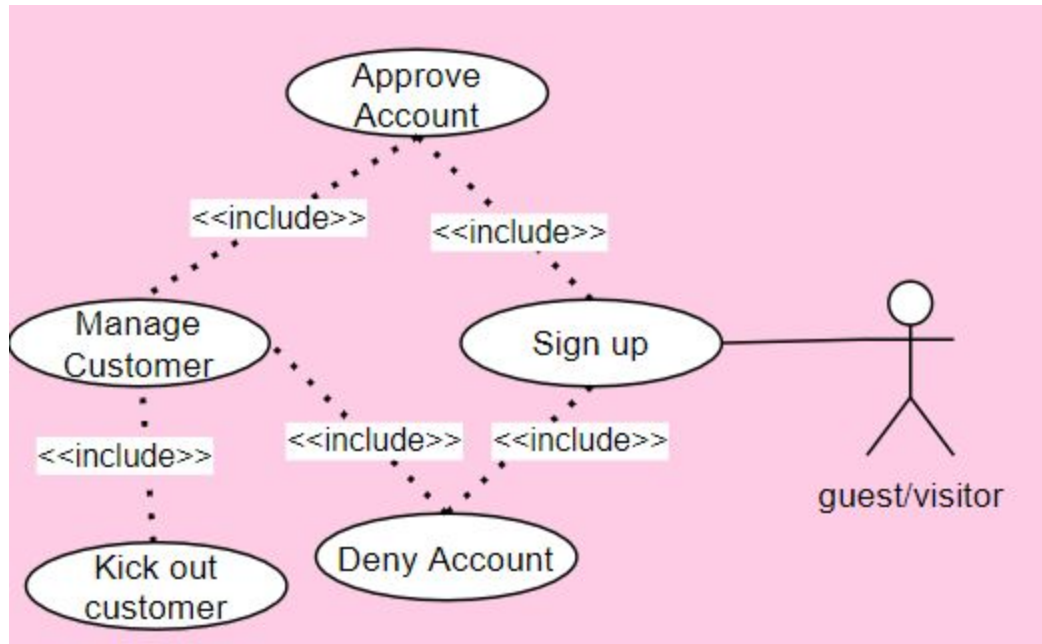


Figure 3: A snapshot of the Guest/Visitor use cases. For detailed information view the [Customer User Class](#) in [Use-Case Reports](#) under the Specific Requirements section.

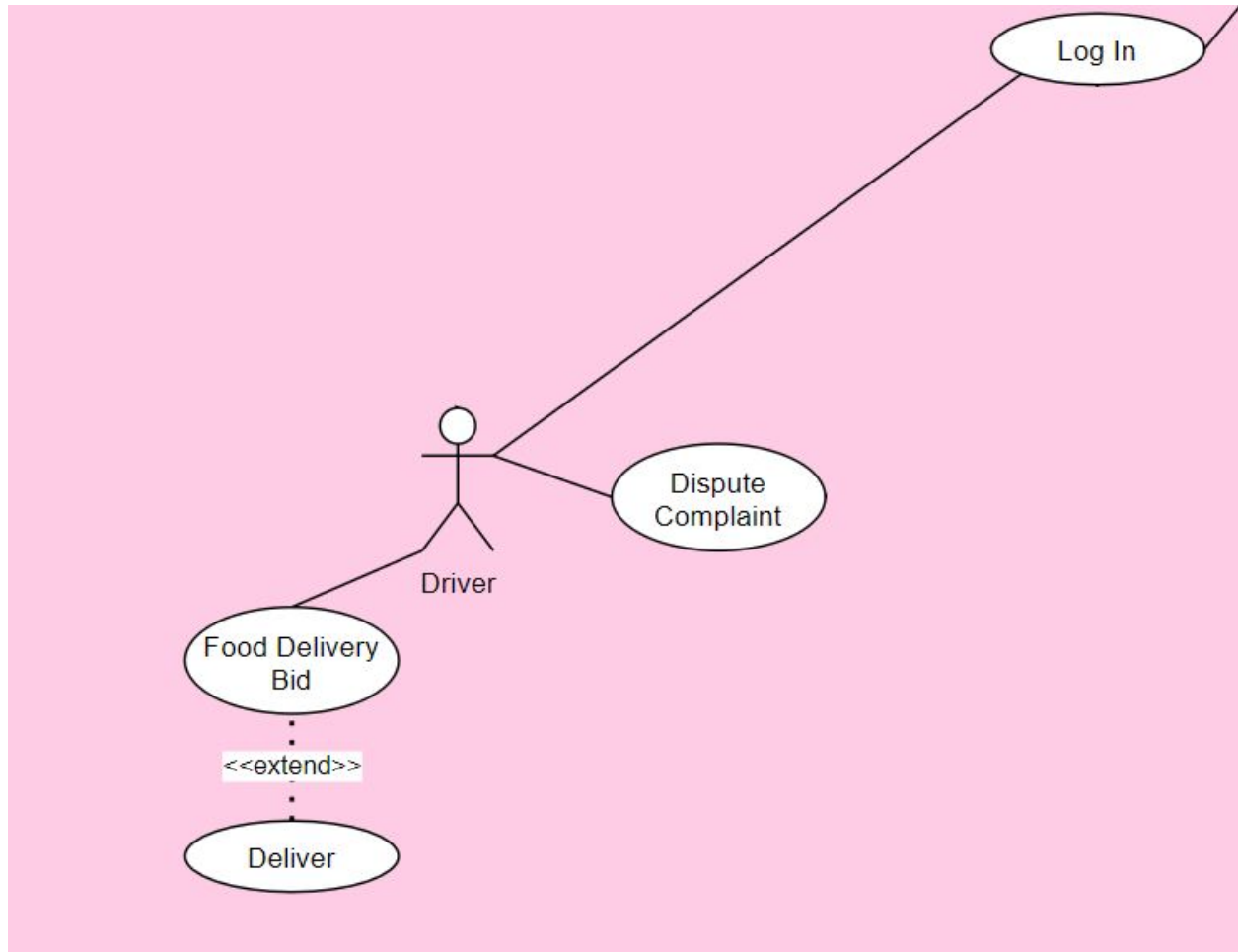


Figure 4: A snapshot of the Driver use cases. For detailed information view the [Delivery User Class](#) in [Use-Case Reports](#) under the Specific Requirements section.

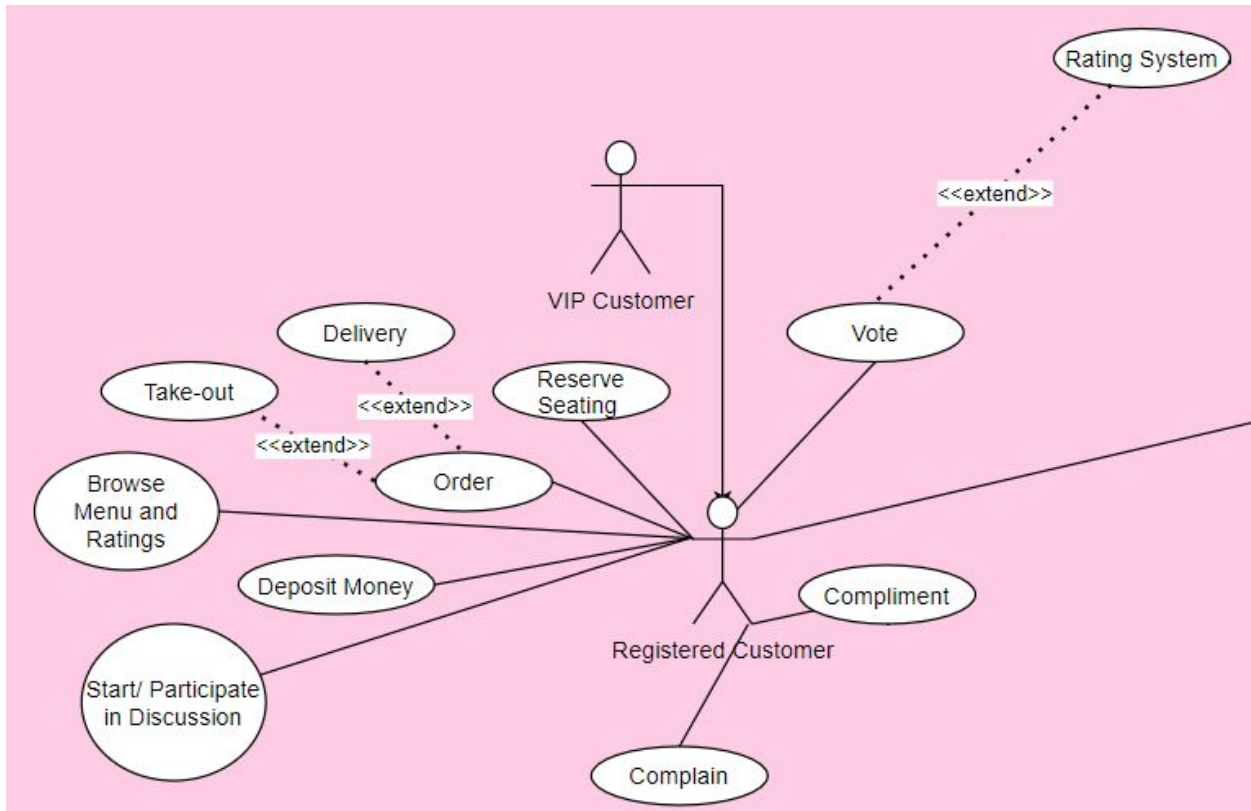


Figure 5: A snapshot of the Guest/Visitor use cases. For detailed information view the [Customer User Class](#) in [Use-Case Reports](#) under the Specific Requirements section.

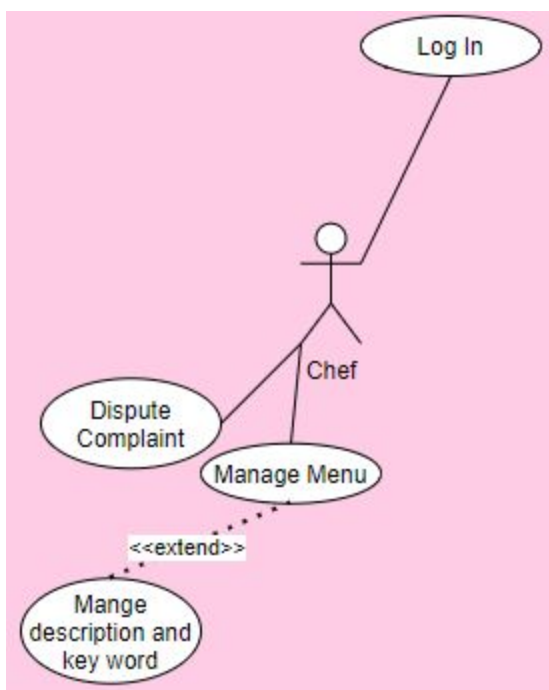


Figure 6: A snapshot of the Chef use cases. For detailed information view the [Chef User Class](#) in [Use-Case Reports](#) under the Specific Requirements section.