Happy Eats Inc.

Happy Eats
Software Requirements Specification
For Food Order and Delivery System

Version <1.0>

Revision History

Date	Version	Description	Author
3/26/2024	1.0	First draft of Happy Eats application	Jeffrey Umanzor Andyanggarah Igusti Kelvin Bermejo Kazi Islam

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Software Requirements Specification

1. Introduction

This report will outline the design model of the food order and delivery system application “Happy Eats”. The key details, purpose, and inner workings of the application will be made clear throughout this document.

1.1 Purpose

The purpose of the “Happy Eats” application is to provide users, both consumers and producers with an easy way to manage their food services. This application will allow users to register as either a food consumer or a food producer, which will then allow them to provide for each other. Users will be able to order food from their favorite restaurants or discover new restaurants. Users will also be able to rate individual restaurant’s service within the application itself.

1.2 Scope

This application plans to allow users, both food consumers, and producers, to have an easy and accommodating place to control their food services. The application will ensure restaurants will be able to manage their food and staff and customers will able to comfortably choose what food they desire and be able to critique their experience.

1.3 Definitions, Acronyms, and Abbreviations

- **Customer:** Users will be able to register as customers, which will allow them to browse restaurants, order food from registered restaurants, and rate restaurants' food services.

- **VIP Customer:** After a customer has made over 50 orders on the “Happy Eats” application or spent over $500, will be registered as a VIP Customer. This will give them access to a 10% discount on normal orders, and access to specialty dishes, and their service complaint/compliments will be given a higher importance.

- **Surfer:** can browse the menus and ratings only, can apply to be registered customers with a fixed amount of deposit money and checked by the manager.

- **Restaurant:** Users will be able to register as a restaurant which will allow them to register as long as they meet the following requirements: [2 chefs, 2 delivery people, 2 food importers, 1 Manager]
- **Chef:** Chefs will be able to decide the menus individually
- **Delivery people:** People responsible for deliveries of the restaurant
- **Food importers:** People who purchase food from outside suppliers
- **Manager:** processes customer registrations handles customer compliments and complaints, hires/fires/raises or cuts pay for chef(s), and delivers people

1.4 References

Munkholt, M. R. (2024, January 9). “Top food delivery trends and statistics for 2024”. Routific. https://www.routific.com/blog/food-delivery-trends

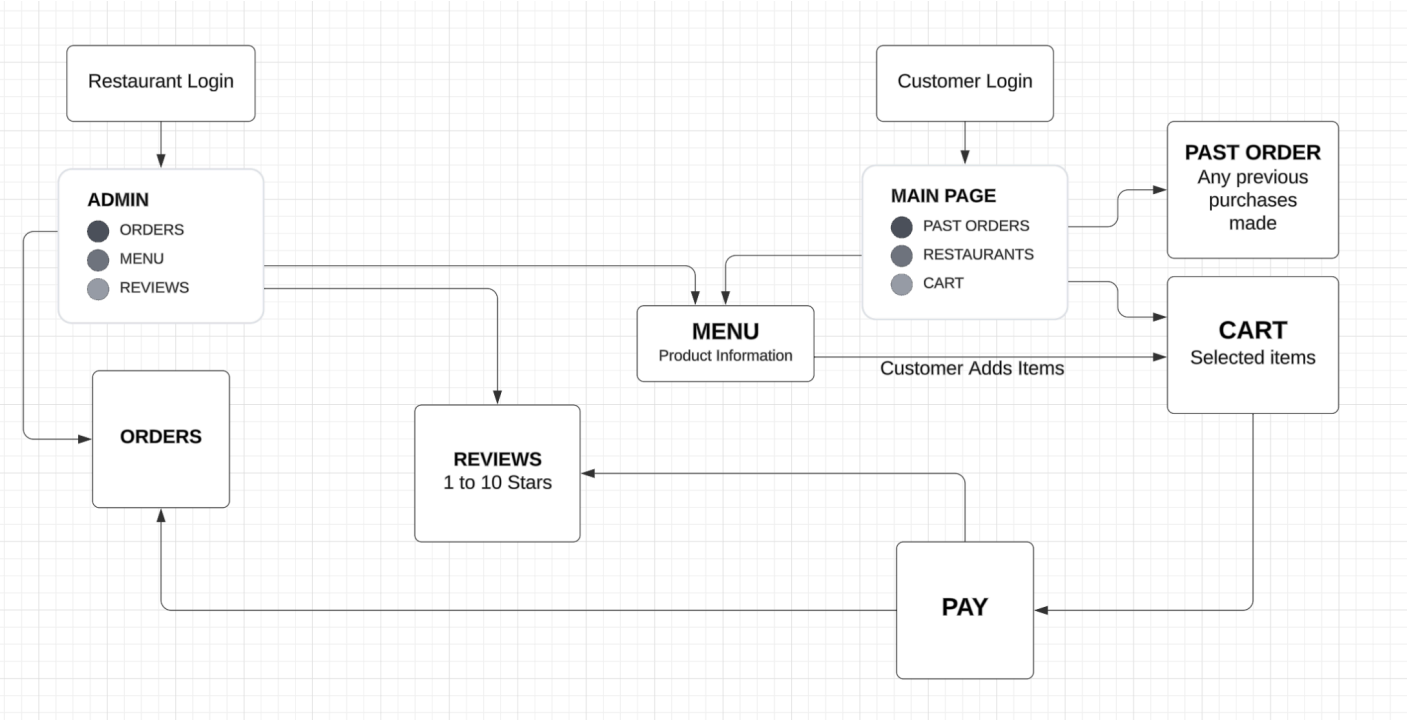
Curry, D. (2024, January 8). “Food delivery app revenue and usage statistics (2024)”. Business of Apps. https://www.businessofapps.com/data/food-delivery-app-market/

1.5 Overview

In the following sections, we will give a clear description of the framework of the Happy Eats application and how users may interact with the interface. The goal is to create an easy-to-use application where both food enjoyers and food producers can have a place for their food services.

2. Overall Description

The Software Requirements Specification for “Happy Eats” details the framework and objectives for a food order and delivery apps, ensuring clarity and shared understanding among developers, consumer, and restaurant partners. It outlines the application’s aim to streamline food service operations and enhance the dining experience by facilitating easy food ordering, restaurant discovery, and service feedback. The SRS specifies the functionalities, system performance, easy food ordering, design, defining roles like customers, VIP customers, and various restaurant staff, each with distinct responsibilities. It sets the application's boundaries, detailing user interactions and operational management features.



2.1 Use-Case Model Survey

The Use-Case Model for the HappyEats application provides a comprehensive framework illustrating how different actors interact with the system to achieve their objectives. This model encompasses various scenarios, including browsing menus, placing orders, managing user profiles, and delivering orders. Key actors such as customers, restaurants, delivery personnel, and system administrators play pivotal roles in these interactions. Through detailed diagrams, the model visually represents the flow of actions and relationships between actors and the system, highlighting the dynamic processes involved in food ordering and delivery. This model, detailed further in the Use-Case-Model Survey Report, serves as a blueprint for understanding and developing the HappyEats application's functionality and user interaction mechanisms.

2.2 Assumptions and Dependencies

The HappyEats food delivery application's development hinges on a set of critical assumptions and dependencies crucial for its technical feasibility and operational success. We assume the platform will automatically process orders to showcase its efficiency, with users and restaurants actively engaging through updates and feedback. Essential to this is uninterrupted internet connectivity for real-time functionalities and compliance with legal standards for market operation. The application's performance is also dependent on integrating third-party services for payments and navigation, alongside the readiness of restaurants to adopt our technology for effective supply chain management. These elements collectively underpin the strategic planning and robust design of HappyEats.

3. Specific Requirements

Users must be able to register for the application and be able to select a role when registering (Customer/Restaurant). Each customer must be able to browse restaurants along with their menus and the rating that was given to them by past customers. Customers also must be able to order from their preferred restaurant and give a review on their food services after ordering. Restaurants must be able to register Chefs, delivery people, food importers, and a manager. The restaurant must be able to upload their menus for their restaurant and also be able to view the reviews given to them by customers.

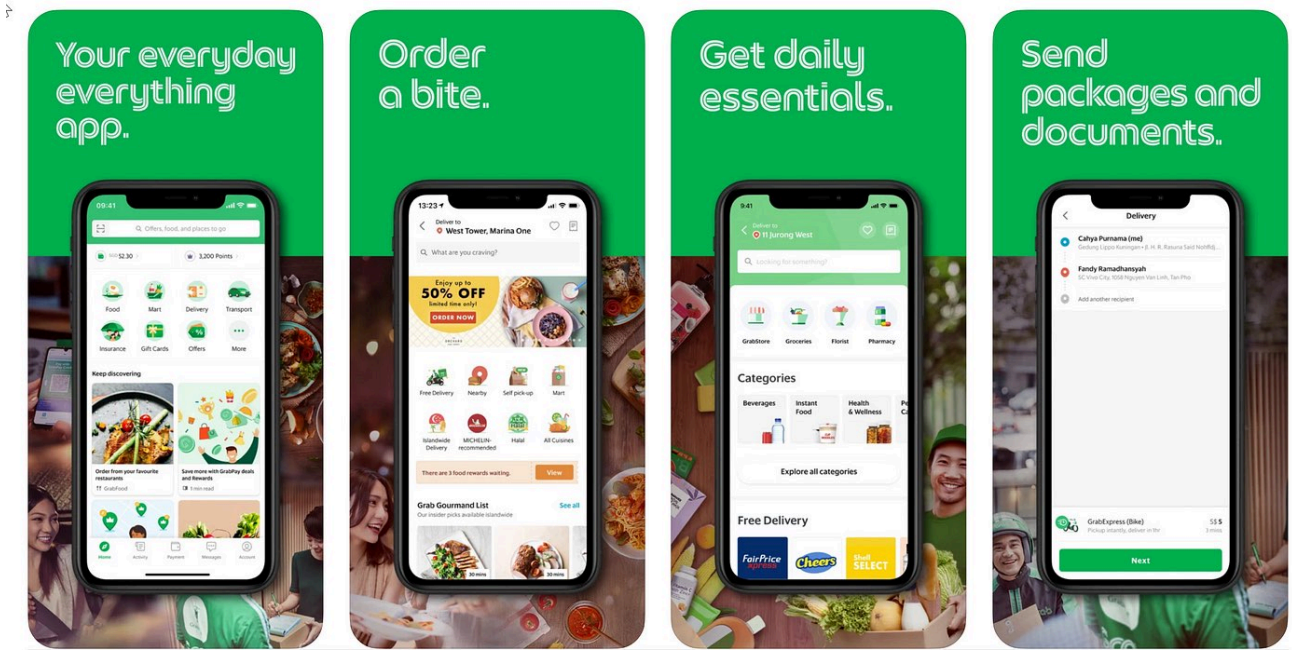
3.1 Use-Case Reports

The use-case model for Happy Eats shows the two interfaces that will be there. One is for the restaurant and one is for the customers. The customer will have access to past orders, numerous restaurants in the area, and their cart. The restaurants will have access to orders put by customers, the menu, and the reviews set by customers. Once the customer chooses a restaurant, they will be given the menu where they can add things to their cart and go to pay to check out their items. Once paid the orders will be sent to the restaurant side where the food will be made. After the customer eats, they can leave a review on the restaurant.

3.2 Supplementary Requirements

The "Happy Eats" app is built to be fast and reliable, ensuring users can order food smoothly even during busy times. We prioritize the safety of user information with strong security measures and comply with all relevant laws to protect privacy and ensure food safety. The app is designed to be user-friendly and accessible to everyone. These supplementary aspects guarantee a secure, user-friendly, and compliant service for all users of "Happy Eats."

4. Supporting Information



(This is a mockup of what the delivery app for “Happy Eats” will look like)

(This is a mockup for the front page of the application)