FOOD MANAGEMENT SYSTEM

Supplementary Specification

Version <1.0>

Revision History

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Supplementary Specification

# Introduction

When customer want to buy food available, they often have to go to the restaurant to order and wait for cooking complete. This lead to customers may waste a time and inconvenient. In addition, each customer has different detailed requests about these foods.

So, our team have decided to build an idea about establish a Food System. With our system, it can solve all of problems stated above. Customers interact with our system and can view the list of food and buy it online. Employees check orders and update the databases.

The purpose of this document is to analyze and elaborate on the high-level needs and features of the Food System. It focuses on the capabilities and facilities provided by a restaurant.

## Purpose

The purpose of Supplementary Specification document is to describe the external behavior of the Food Management System. Requirements Specification defines and describes the operations, interfaces, performance, and quality assurance requirements of the Food Management System. The document also describes the nonfunctional requirements such as the user interfaces. It also describes the design constraints that are to be considered when the system is to be designed, and other factors necessary to provide a complete and comprehensive description of the requirements for the software. The Supplementary Specification captures the complete software requirements for the system, or a portion of the system. Requirements described in this document are derived from the Vision Document prepared for the Food Management System

## Scope

The scope of Supplementary Specification defines all requirements in a single document. Our Food System is built for customer and employee about food's information by ordering online. The Food Management System is supposed to have the following features:

* The system is running every time.
* The system provides login, logout and sign up facility to users.
* The system allows the administrator to create, edit and delete the product, category, brand, orders.
* The system let users change, cancel on products.

## References

None

## Overview

The supplementary specification document is composed of different section including Functionality, Security, Reliability, Performance, Supportability, Design Constraints, Online User Documentation and Help System Requirements, Purchased Components, Licensing Requirements, Legal, Copyright, and Other Notices, Applicable Standards.

The Functionality Requirements describes requirements of the systems which are expressed in the natural language style. This section will be organized by features or by users or organization by subsystem.

Security section includes all of the requirements that affect security.

# Functionality

## Admin

- Admin is the highest role of the system, the person controls all the activities of system and the customers.

- Admin can manage products, manage news, manage order, manage customer and mange employees.

## Customer

-Customer is the person who access with the food system.

-Customer can view about image, name, price of product, log in/log out, order product, change/ cancel order and have payment.

# Usability

# This system used as a web browser as an interface. The admin, customer can access the system via a web browser connected Internet. The guesses must create an account to be customer of the system and can order the food. The system is easy to use, only try using 15 minutes, the users can use it fluently because we have shown all the features of the system that the users don’t need instructions.

# Reliability

## Available

## The system is 100% of time available.

## Mean Time Between Failures

* The system is allowed to be out of order at most once a half year.

## Mean Time to Repair

* The system is allowed to be out of operation within a couple of hours after it has failed.

## Accuracy

* The system is 99,99% of accuracy.

## Maximum bugs or defect rate

* 1bug/KLOC.

## Information Security

* The system provides 100% information security.

# Performance

## *Response time for a transaction*

* Fast

## *Throughput*

* Depends on the number of customer.

## *Capacity*

* The system is capable of dealing with 100 customers at a time.

## *Resource use*

* Memory of involved devices.

# Supportability

## *Internet Protocols*

* TCP/IP protocol.

## *Information Security*

* The system is secured.

## *6.3 Billing System Compatibility*

* Food System is compatible with billing system.

## *Maintenance*

* Minimum once a month.

# Design Constraints

## *Software Language Used*

* CSS, JavaScript, EJS.

## *Development Tools*

## Visual Studio Code.

# Online User Documentation and Help System Requirements

# User Manual should be specified for each of the feature available with the Food Management System

# 9. Purchased Components

# Not required. Free Bootstrap, Code Igniter Framework

# Interfaces

## User Interfaces

* The interface of the system is implemented based on existing web browsers.

## Hardware Interfaces

* Local Area Network (LAN) will be used for collecting data from the users and also for updating the Restaurant catalog.

## Software Interfaces

* Firewall and other network security solutions will be applied to prevent unauthorized access to the system.

## Communications Interfaces

* The Food System will be connected to the Internet

# Licensing Requirements

* License belongs to restaurant which purchased the Restaurant System from Department of hygiene and food safety agreed on the maintenance contract*.*

# Legal, Copyright, and Other Notices

* 2020 Copyright to Group 34 HANU. All rights reserved.

# Applicable Standards