FOOD MANAGEMENT SYSTEM

Vision (Small Project)

Version <1.0>

Revision History

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Vision (Small Project)

# Introduction

Vision is to collect, analyze, and define high-level needs and features of the online product management project. It focuses on the capabilities needed by the stakeholders and the target users, and why these needs exist. The details of how the online product management project fulfills these needs are detailed in the use-case and supplementary specifications.

## References

# Positioning

## Problem Statement

|  |  |
| --- | --- |
| The problem of | Creating convenience when buying product  and managing product in the restaurant |
| affects | Customer and Restaurant owners |
| the impact of which is | Inconvenient to buy product |
| a successful solution would be | Online restaurant management system |

## Product Position Statement

|  |  |
| --- | --- |
| For | Restaurant |
| Who | Need an online management system |
| The (product name) | is a web-based online system |
| That | Provide latest information about the product for Customers and Restaurant owners |
| Unlike | Existing manual in-person computer shop system |
| Our product | Food Management System |

# Stakeholder and User Descriptions

The Food Management System that is to be developed provides the customers

of the and employees of the restaurant with product’ information, online shopping

of product and many other facilities. The Food Management System is

supposed to have the following features:

* The system provides login/ logout function for the user.
* The system provides signup function for the user.
* The system provides for customer view images, price and name of product
* The system provides the customers with online order of product capabilities..
* The system allows the customer to choose many dishes from the list
* The system allows the customers to cancel orders.
* The system allows the customers to change orders.
* The system allows the restaurant employees manage product function.
* The system allows the restaurant employees to update the information as well as the images of product on the website.
* The system allows the restaurant employees manage order function.
* The system allows the restaurant employees to check the number of orders.
* The system allows the restaurant employees manage customer function.
* The system allows the restaurant employees manage product function.
* The system allows the restaurant employees to remove/add/edit product.

## Stakeholder Summary

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Responsibilities** | |
| Employees | Management product | Uses the computer shop management system to manage computers in the store | |
| Customer | The person who orders product from the restaurant | | Uses the product management system to view, order product and make payment |

## User Summary

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Responsibilities** | **Stakeholder** |
| Employees | Management product | Uses the computer shop management system to manage products in the restaurant | The stakeholder is also the employee |
| Customer | The person who orders product from the restaurant | Uses the product management system to view, order product and make payment | The stakeholder is also the employee |

## User Environment

## The users of the system are employees and customers of restaurant. The system must be active 24/24 in order to meet the demand of the customers. The employees work with computers in the restaurant to administer the online Food Management System. The customers use computers, mobile phones or any other Internet connected electronic devices to access this system at home or at any other locations. This system requires Internet Explorer or similar web browsers.

## Summary of Key Stakeholder or User Needs

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Need** | **Priority** | **Concerns** | **Current Solution** | **Proposed Solutions** | | |
| Database failing should be 0% | High |  | Upgrade the database. Database should never fail. | | | Increase the Server speed. Maintain the database |
| Cannot update the product and the customer information fast enough | High |  |  | | Optimize the code algorithm, use the right technology. | |

## Alternatives and Competition

None

# Product Overview

## Product Perspective

The Food Management System brings about great benefits to the customers and employees of restaurant. It makes customer and employee more convenient operation. The system also provides information, image and price of product to help them have an overall information of the product they want and also helps them to decide on the computer to order on the restaurant. The restaurant employees can keep updated all the time so that the customers always get the up-to-date information.

## Assumptions and Dependencies

* Both users and employees need sufficient knowledge of how to use computers.
* Know English or Vietnamese.

# Product Features

- The system website is capable of display correctly on different devices web browser of any screen size (i.e. responsive design).

- All system website functions are available through popular web browsers; for instance, Google Chrome, Mozilla Firefox, Opera, Safari, Microsoft Edge, Internet Explorer

# Other Product Requirements

## Applicable Standards

User should have network facilities.

## System Requirements

The major dimensioning characteristics of the software that impact the architecture and performance constraints:

* The system shall support up to 100 concurrent users against the primary database at any given time, and up to 100 concurrent users against the local servers at any one time.
* The system must perform all functions with minimal time delays.
* The system must also accurately save all information transactions