**Software Requirements**

**Specification**

**for**

**Susan Ice Store**

**Version 1.0 approved**

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***Software Requirements Specification for <Project> Page ii***

**Table of Contents**

**Table of Contents .......................................................................................................................... ii**

**Revision History ............................................................................................................................ ii**

**1. Introduction..............................................................................................................................1**

1.1 Purpose ............................................................................................................................................ 1

1.2 Document Conventions.................................................................................................................... 1

1.3 Intended Audience and Reading Suggestions.................................................................................. 1

1.4 Product Scope .................................................................................................................................. 1

1.5 References........................................................................................................................................ 1

**2. Overall Description ..................................................................................................................2**

2.1 Product Perspective ......................................................................................................................... 2

2.2 Product Functions ............................................................................................................................ 2

2.3 User Classes and Characteristics ..................................................................................................... 2

2.4 Operating Environment.................................................................................................................... 2

2.5 Design and Implementation Constraints .......................................................................................... 2

2.6 User Documentation ........................................................................................................................ 2

2.7 Assumptions and Dependencies ...................................................................................................... 3

**3. External Interface Requirements ...........................................................................................3**

3.1 User Interfaces ................................................................................................................................. 3

3.2 Hardware Interfaces ......................................................................................................................... 3

3.3 Software Interfaces .......................................................................................................................... 3

3.4 Communications Interfaces ............................................................................................................. 3

**4. System Features........................................................................................................................4**

4.1 System Feature 1.............................................................................................................................. 4

4.2 System Feature 2 (and so on)........................................................................................................... 4

**5. Other Nonfunctional Requirements .......................................................................................4**

5.1 Performance Requirements.............................................................................................................. 4

5.2 Safety Requirements ........................................................................................................................ 5

5.3 Security Requirements ..................................................................................................................... 5

5.4 Software Quality Attributes ............................................................................................................. 5

5.5 Business Rules ................................................................................................................................. 5

**6. Other Requirements ................................................................................................................5**

**Appendix A: Glossary....................................................................................................................5**

**Appendix B: Analysis Models .......................................................................................................5**

**Appendix C: To Be Determined List............................................................................................6**

**Revision History**

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| --- | --- | --- | --- |
| **Name** | **Date** | **Reason For Changes** | **Version** |
| Leonard Potian | 02/15/17 | Initial Draft | 1.0 |
| Ban Daggao | 2/22/17 | Update Documents | 1.1 |
| Leonard Potian | 3/1/17 | Update Some Requirements | 1.2 |

**1. Introduction**

**1.1 Purpose**

* To gain more customers by deploying the website.
* To improve sales by attracting customers to order online.
* To make the ordering and inventory transactions faster and convenient.

**1.2 Document Conventions**

The application that the team used to this document is Microsoft word 2017 with the font Arial and size 12. And the heading Times ne roman size 14

**1.3 Intended Audience and Reading Suggestions**

The document is intended for the developers, project managers, users, testers and documentation writers. The system requirements specification contains the functionality of the system and the guideline for the developer of the system. This is technical document and the terms should be understand by the readers

**1.4 Product Scope**

The project scope is to expand the business range from the current area from the outside of it. And to make the customers convenient for their orders by using the website. And the team will add more features which the users can easily use the website like the user have to input their information to register to the website.

**1.5 References**

This SRS was modeled after one found online at [www.exinfm.com/training/M2C3/srs\_template.doc](http://www.exinfm.com/training/M2C3/srs_template.doc)

**2. Overall Description**

**2.1 Product Perspective**

The product of Susan ice store is for every store, school, eatery, around Villamor Air Base Pasay city only. The team can expand the range of the business in developing a modern website that the customers/users can use.

**2.2 Product Functions**

The major function of the website is we have an ordering and inventory system. In the ordering system, the users can place their orders and send it to the admin or the owner.

**2.3 User Classes and Characteristics**

The user classes that will use this product is some adults, businessman/women, and vendors in the stores. Before we release the website we will have the tutorial of the website in the store and we will invite the customer of the business.

**2.4 Operating Environment**

The software that we will be using is HTML, CSS, PHP, and database server.

**2.5 Design and Implementation Constraints**

The issues that will limit the options for the developer is the database server. because the website is limited to just 30-500 users simultaneously. But the developer will make the website updated when the client using it.

**2.6 User Documentation**

the documentation that we use is Software Requirements Specification that the project need to implement. And we compare the software of the globe inventory and ordering system.

**2.7 Assumptions and Dependencies**

The system will be available that lives in Pasay Area. The system has a features same as the old procedure of the store and it is organized. And We assume that there are extra documents will be added so that the software requirements will be fully understand by the user

**3. External Interface Requirements**

**3.1 User Interfaces**

The user interface of the website is when you browse the website you will see first the registration of account and when user already have an account he/she will proceed to the ordering level of the website and then when they done it will immediately send a response to them.

**3.2 Hardware Interfaces**

The Hardware that the system need is at least Quad Core CPU 1.5GHz minimum and a 2GB RAM.

**3.3 Software Interfaces**

The software of the project is HTML, CSS, PHP and database server with the updated version. The operating system that we will implement is windows 8 because this windows can handle all the applications without error. And windows are easy to use.

**3.4 Communications Interfaces**

The communication functions of this website are including web browser, e-mail and database server to communicate with the customers. The system will be needing an internet connection in able to automate properly.

**4. System Features**

**4.1 Add User**

4.1.1 Description and Priority

This feature is for customers who want to order online this one is high priority because it one of the main function of our system.

4.1.2 Stimulus/Response Sequences

First the user will access the system after accessing the system the user need to request for a registration form, after requesting, the system will show the form and the user will fill up the required fields and complete by sending it back to the system, then the system will check the registration form.

**4.2 Manage Inventory**

4.2.1 Description and Priority

This feature is for the admin if she wants to add product or check the stocks, this is also a high priority because one of the features is to give the owner of the store the privilege to manage the inventory.

4.2.2 Stimulus/Response Sequences

First the admin will log on to the system and the system will confirm if the login information is correct and after that if the information is correct she can now manage the website of the inventory.

**4.2 Order**

4.2.1 Description and Priority

This feature is for customers who wants to order a product this is one of the main feature of the system because the system is not just a inventory management system it is also an online ordering system. This is a high priority feature.

4.2.2 Stimulus/Response Sequences

First the user must choose a product he or she wants to order then after that the system will give the instructions to complete the transactions

**5. Functional Requirements**

The System aims at providing an efficient interface to the user for managing order, it shall also provide the admin varied options for managing the inventory through various functions at hand. The ingredient levels are continuously monitored based on their usage and are checked for the threshold levels in the inventory and accordingly the user is alerted about low levels of certain ingredients. The design is such that the user does not have to manually update the inventory every time, the System does if for the user.

**6. Other Nonfunctional Requirements**

Because the design patterns of the Online Ordering System are pretty much the standard for a web application, the non-functional requirements of the system are very straightforward. Although written using Google Web Toolkit, the application is cross-compiled to HTML and JavaScript, along with a PHP backend, all of which are supported by any reasonably well maintained web server, although I would recommend Apache2, and particularly the free XAMPP distribution.

All of the application data is stored in a MySQL database, and therefore a MySQL server must also be installed on the host computer. As with Apache, this software is freely available and can be installed and run under most operating systems.

The server hardware can be any computer capable of running both the web and database servers and handling the expected traffic. For a

ordering system that is not expecting to see much web traffic, or possibly doing only a limited test run, an average personal computer may be appropriate. Once the site starts generating more hits, though, it will likely be necessary to upgrade to a dedicated host to ensure proper performance. The exact cutoffs will need to be determined through a more thorough stress testing of the system.

**6. Other Requirements**

**Security requirements**

Access to the database should be restricted to people that are required to view information. Passwords and ID’s should be regulated to be at least a certain length.

Requirement Planning

Requirement Documentation

Design of the software, systems and the process

Developing and Testing the system

Implementation Plan and Results