Software Requirements Specification

Version 1.0

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Inventory control System

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<<Any comments inside double brackets such as these are *not* part of this SRS but are comments upon this SRS example to help the reader understand the point being made. Refer to the SRS Template for details on the purpose and rules for each section of this document. >>

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# 1.0. Introduction

## 1.1. Purpose

The purpose of this document is to present a detailed description of the inventory control system . It will explain the purpose and features of the system, the interfaces of the system, what the system will do, the constraints under which it must operate. This document is intended for both the stakeholders and the developers.

## 1.2 Scope of the project

This system is designed to maximize the productivity through automation the sale and buy operations, it will convert all paper operations into computer operations

the System aims to provide an efficient interface to the restaurants for managing their grocery inventory based on each item sold. The basic idea involved here is that each item is linked to its atomic ingredients which are stored in a database. At the end of each day, the system analyses the total sale of menu items and proportionately deducts appropriate amount from the resource database. Then it compares the current available resources with the threshold level of each ingredient***.***

## 1.3. Glossary

|  |  |
| --- | --- |
| Term | Definition |
| Manager | The manager of the restaurant/company who handles all the administrative works |
| Recipe | This is the menu item that the restaurant/company provides to its customers |
| Database | Collection of all the information monitored by this system. |
| Vendor | This is the company that provides the restaurant/company with the required ingredients |
| Order | Order is the list of ingredients and the quantities that is or is to be requested from the vendor. |
| Ingredient | This is the entity that the recipe is composed of |

## 1.4. References

IEEE. *IEEE Std 830-1998 IEEE Recommended Practice for Software Requirements Specifications.* IEEE Computer Society, 1998.

## 1.5. Overview of Document

the Overall Description section, of this document gives an overview of the functionality of the product. It describes the informal requirements and is used to establish a context for the technical requirements specification

Both sections of the document describe the same software product in its entirety, the third chapter, Requirements Specification section, of this document is written primarily for the developers and describes in technical terms the details of the functionality of the product.

**2.0. Overall Description**

***2.1 System Environment***

System Interface

Inventory Control System

Manager

**Figure 1 : *System Environment***

The inventory control system has only one active actor(The manager only)

and one cooperating system.

## 2.2 Functional Requirements Specification

***2.2.1******Manager Use case***

**Use case** : Add Recipe

**Diagram**

manager

Add recipe

**Brief description**

The manager opens the System and add the new recipes he wants to the system

**Initial Step-By-Step Description**

1-The manager press “add new recipe “button

2-the manager inter the new recipe ingredients

3-the manager submits the form to the system

4-the system adds the recipe to the database

**Use case :**Remove recipe

**Diagram**

manager

Remove recipe

**Brief description**

The manger opens the system deletes an exist description

**Initial Step-By-Step Description**

1-the manger press Remove recipe button

2- the system shows the list of recipes

3-the manager choose the recipe he wants to delete

4-the manager confirm delete operation

**Use case:** Update Recipe

**Diagram**

manager

Update Recipe

**Brief description:**

the manager updates an exists recipe

**Initial step-by-step**

1-the manager press “update recipe” button

2-the system displays the list of recipes

3- the manager chooses the recipe he wants to update

3-the manager inter the new ingredient

4-the manager press confirm update button

**Use case:** update inventory

**Diagram**

manager

Upadate Inventory

**Brief description**

The manager updates the inventory status

***Initial Step-By-Step Description***

1-the manager press update inventory button

2-the system asks for details of received ingredients

2-the manger enter the new date of received goods

3-the system takes the new ingredients

**Use case:** add occasion

**Diagram**

manager

Add occasion

**Brief description**

The manager adds the occasions

***Initial Step-By-Step Description***

1-the manager presses the add occasion button

2- the system displays a form for more details

3- the manager fills the form with the occasion names and dates

4- manager then press confirm button