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| Inventory Management System |
| Project Vision Document | |
| **Version 1.1** | |
| 9/27/2019 | |

**Revision History**

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| Revision | Date | Author | Reviewed By | Summary of Changes |
| I | 09/04/2019 | Nirav Sorathia | Anjana Shah | Initiation of project summary. |
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| III | 09/18/2019 | Gourav Gourav | Anjana Shah | Adding of new features. |
| IV | 09/25/2019 | Muskan Batra | Anjana Shah | Edited and finalization of the project. |

**Document Approval List**

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# Introduction

In this project of creating Inventory Management Web Application, we have been creating this document to give an overview of all the possible criteria that can be a part of this web app. In this first part we started with discussing the purpose as well as the scope where this project can or cannot prove useful. Keeping in mind to increase the ease of reading this document we describe all the possible acronyms, abbreviations, references and an overview of the full document.

## Purpose

To provide the clear statement of the problem along with the proposed solution and the high-level features of a product to establish expectations and reduce risk. A key function of inventory management system is to keep the track of each items from manufacturer to store and from store to point of sales as well as to keep records of damaged and returned items.

## Scope

The scope will be covering all the essential details, methodologies, deadlines, functions, tasks and costs. It also optimizes the time and cost constrains.

### In Scope

In this project, point of sales, effectiveness towards running store, maintaining minimum amount of quantity, structured database, planning for future stock, and change in inventory system are included.

### Out of Scope

Any other third party or customers, quality of products, are out of scope.

## Definitions, Acronyms, and Abbreviations

|  |  |
| --- | --- |
| Term | Explanation |
| Web App | Web Application |

## References

*<This subsection provides a complete list of all documents referenced elsewhere in the Project Vision****.*** *Identify each document by title, report number if applicable, date, and publishing organization. Specify the sources from which the references can be obtained. This information may be provided by reference to an appendix or to another document>*

| Reference File Name | Version | Description |
| --- | --- | --- |
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| --- | --- |
| Name | Link |
| Whiz labs | <https://www.whizlabs.com/blog/different-roles-in-project-management-covering-various-industries/> |
| Quora | <https://www.quora.com/What-is-inventory-management-system-and-scope-of-inventory-managment-system> |
| Wikipedia | <https://en.wikipedia.org/wiki/Inventory_management_software> |
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# Positioning

## Business Opportunity

We researched a lot about this web application and found that big companies like Circle K does not have an inventory system which could track the sales and inventory at the same time. By keeping that business model in mind, we are making a web application to resolve this problem.

## Problem Statement

|  |  |
| --- | --- |
| The Problem of | Convenience Store for not having a proper inventory management facility |
| affects | All the patrons associated with convenience store |
| the impact of which is | Wastage of time, money and increase of manual work |
| a successful solution would be | A dynamic web application which will keep the track of all the inventory in the store and helps to associate the P.O.S and inventory together. |

Table 1 Problem Statement

## Product Position Statement

|  |  |
| --- | --- |
| For | Convenience store |
| Who | Does not have a proper inventory system |
| The Inventory Management System | is a dynamic Web Application |
| That | keeps the real time track of items in the inventory with respect to the sales |
| Unlike | All the Convenience stores who use traditional method of using papers to count the items in the inventory. |
| Our product | Helps the stores to go paperless by keeping the track of all the items sold with their history of purchases. |

Table 2 Product Position Statement

## 

## SWOT Analysis

|  |  |
| --- | --- |
| Strengths | Weaknesses |
| Paperless system | May not be compatible with all browsers |
| More efficient way of data handling | Internet connection will be an absolute requirement to run the application |
| Easy to detect the profit and loss of sales through graphs | Proper Security may not be implemented |
| Associating sales with the inventory. |  |
| **Opportunities** | **Threats** |
| to get business from various convenience or food stores. | Data can be stolen |
| to help the stores by saving their money and time. | Crash of the application with loss of connection. |
| To get rid of paperwork and move to more digital system | May not be able to track about Missing items or returns and damaged products |

# Stakeholder and User Descriptions

## Stakeholder Summary

| Stakeholder Name | Represents | Role |
| --- | --- | --- |
| Owner of the convenience store | Owner gets all the profit which the store earns. He is the one who wants his store to make more money. | Owner provides us the information of specifications he wants in the web application. He gives us the list of the users who will be using the application. |

Table 3 Stakeholder Summary

## User Summary

| User Name | Description | Responsibilities |
| --- | --- | --- |
| Managers | They manage both the store and the employees. They order the out of stock items for the stores. They are the one who provides monthly reports to the stakeholder. | To check the inventory  To order items for the store  To Keep the record of sales |
| Employees | They are the one who will be handling the sales in our system | They handle the customers and provide them the information about the availability of products in the store. |

Table 4 User Summary

# Stakeholder Requirements

| ID | Requirement | Stakeholder |
| --- | --- | --- |
| 1 | Owner of the store wants us to build a web application which could resolve their problem of closing the store to count the inventory. | Owner |
| 2 | Owner wants to see the performance of his store. | Owner |
| 3 | Owner wants to see the availability and the sales of the particular item | Owner |

Table 5 Stakeholder Requirements

# System Features

| ID | Feature | Stakeholder Requirement ID |
| --- | --- | --- |
| 1 | The application deducts the item from the inventory when the employee sells an item in P.O.S. with the help of this feature, the manager can count the items in the store by just looking at the application. | 1 |
| 2 | The application provides a feature to capture the daily and monthly sales through graphs, pie-charts and the tables to keep track of the profits and losses of the store. | 2 |
| 3 | The application allows its user to scan the item’s barcode which shows the history of sales and the availability of item in the Store. | 3 |

Table 6 System Features

# Assumptions

1. *We are assuming that the store will have full connection with the internet without any interruptions.*
2. *We are also assuming the stakeholder to enter all the items by himself which he wants to add in the inventory web application.*
3. *We assume the stakeholder to read the guidelines to use the application for its proper use.*

# Constraints

1. *We will be facing some problems to maintain the security of our web application.*
2. *There might be a problem in fetching or deploying data from the server as we will be storing data remotely.*