Management store

Vision Document

Version 1.5

Revision History

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| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| 04/11/2019 | 1.0 | Write problem Statement, Product Position Statement, Stakeholder Summary, User Summary and User Environment. | Nguyen Ly Nhat Phuong |
| 05/11/2019 | 1.1 | Write Summary of Key Stakeholder or User Needs. | Nguyen Ly Nhat Phuong |
| 06/11/2019 | 1.2 | Write introduction, Alternatives and Competition, Product Perspective | Ly Thanh Long |
| 08/11/2019 | 1.3 | Write Product Features , Other Product Requirements | Ly Thanh Long |
| 17/11/2019 | 1.4 | Update non function | Vo Khanh Vy |
| 17/11/2019 | 1.5 | Complete Product Perspective | Nguyen Tuan Phung |

Table of Contents

1. Introduction 4

1.1 References 4

2. Positioning 4

2.1 Problem Statement 4

2.2 Product Position Statement 4

3. Stakeholder and User Descriptions 5

3.1 Stakeholder Summary 5

3.2 User Summary 5

3.3 User Environment 5

3.4 Summary of Key Stakeholder or User Needs 6

3.5 Alternatives and Competition 6

4. Product Overview 6

4.1 Product Perspective 7

4.2 Assumptions and Dependencies 7

5. Product Features 7

6. Other Product Requirements 7

Vision (Small Project)

# Introduction

The purpose of this document is to collect, analyze and define high-level needs and features of the convenience store sales management software. It focuses on the capabilities needed by the stakeholders, and the target users, and why these needs exist. The details of how the convenience store sales management software fulfils these needs are detailed in the use-case and supplementary specifications.

## References

Collegiate sports paging system at sceweb.uhcl.edu

Freshworks.com

# Positioning

## Problem Statement

|  |  |
| --- | --- |
| The problem of | The difficulty of manage a large amount of product in the convenience store. |
| affects | The convenience store employees, store manager, the storage staffs and the customers. |
| the impact of which is | A slow and costly process combined with dissatisfied all the employees, staffs and manager. Sometimes can annoyed the customer. |
| a successful solution would be | Help the employees, the staffs, the manager manage the store more effectively and can attract more customers. |

## Product Position Statement

|  |  |
| --- | --- |
| For | The convenience store employees, the storage staffs and the store manager |
| Who | Work at the convenience store |
| The Convenience Store Sale Management Software | Is a tool |
| That | Help the employees track the inventory of the store, help the manager with statistical report |
| Unlike | Just use a manual cash register and paper report to manage the inventory |
| Our product | Provide the up-to-date information about the inventory of the store for the employees and storage staffs, statistical reports for the manager. |

# Stakeholder and User Descriptions

## Stakeholder Summary

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Responsibilities** |
| IT Executive | The development team | Responsible for the software development. |
| Store employee | Store employees | Ensures that the system will meet the needs of the store employees, who stand at the store and make the bill for the customer. |
| Storage staff | Storage staffs | Ensures that the system will meet the needs of the storage staffs, who import product and manage the inventory of the store. |
| Store manager | Store manager | Ensures that the system will meet the needs of the store manager, who has to manage the sale of the store. |

## User Summary

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Responsibilities** | **Stakeholder** |
| Store employee | Store employees | Queries for the information of the product in the store, calculate the bill for customer, sell the products. | self-represented |
| Storage staff | Storage staffs | Import and export products information. | self-represented |
| Store manager | Store manager | Queries for statistical reports, for products information and employees information | self-represented |

## User Environment

The conv*enience* Store User Community is a small community that demands the accuracy, fast and all-time work that a store management software can provide.

The store manager and storage staffs are educated, computer literate but not all the store employees are. The difficulty to read the product information and calculate the bill need to be low so that all the store employees can do.

The initial release of Conv*enience* Store Sale Management will be limited to small conv*enience* which just have one store and it can be used on the computer of the store which install the software. If the respond are well, the software will be designed to be expandable and can be use in the chain of conv*enience* store.

## Summary of Key Stakeholder or User Needs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Need** | **Priority** | **Concerns** | **Current Solution** | **Proposed Solutions** | |
| Know about the inventory of the conv*enience* | High | Check the inventory by paper is slow and inefficient. | Current store employees and storage staffs have to check the inventory by paper to know the amount of each product in the store. At this point, it very hard to track if the amount of product left is more or less to get the supplier in time so that not dissatisfied the customer. | | Employees and staffs would like to have the product data stored on the computer and can update each time the customer buy something easily. |
| Make report about the sale. | Medium | Long delay to get reports, don’t have the action in time when it need. | The store manager has to calculate the sale of the store each week, month, year by himself/herself and it very slow. He/she can’t know if the store has any problem soon to make the action. | | The manager would like to have a software to calculate and make report for him/her fast at the end of a week, a month, a year. |

## Alternatives and Competition

Nowadays, there are a lot of software support sales management . That is software freshales, hubspot, insightly, …

But All three software list above exist strengths and weaknesses by the stakeholder or end user.

|  |  |  |  |
| --- | --- | --- | --- |
| **Features** | **Freshsales** | **Hubspot** | **Insightly** |
| Unlimited users |  |  | X |
| Unlimited records |  | X | X |
| Lead Scoring |  | X | X |
| Integrations |  |  |  |
| Mobility |  |  |  |
| Support |  | X | X |
| Upgrade fee /month | $19 | $50 | $29 |

# Product Overview

This section provides a high level view of the conv*enience* store sales management software, interfaces to the external management product system, storage catalog database system and the system configuration

## Product Perspective

The perspective of the program is:

* Helping the salesman of the convenience store can easily sell goods, export a bill
* For the warehouse staff, easily for them to manage the goods in the warehouse, control goods supply by the supplier.
* For the manager, manage staffs in store, manage the staff salary, manage the profit of store, manage statistic of store…

## Assumptions and Dependencies

None

# Product Features

This section defines and describes the features of the software sale System. Features are the high-level capabilities of the system that are necessary to deliver benefits to the users.

## Login

Employee is provided a valid ID and password for entry to the system management product. The system shall enable a user to change their temporary password.

## Log out

Exit account for system

## Change / recover password

Employee could recover password when you forget it

## Register member for store

The system shall display available form register member.

## View product information

The system shall accept get product information from database if you role employee or management staff or warehouse staff

## Add bill

The system shall accept new bill when customer request pay

## Search bill

The system shall accept get bill

## Export bill

Employee can export bill when customer pay

## Search product

Search product of store so that find product

## Search member of store

The system shall accept get information customer member

## Statistics of sales revenue by items, item type

The system shall get information from system so that statistics of sales

## Statistics product many buyer

Statistics product a lot of bought

## Statistics month, year

Statistics of sales revenue by month, year.

## Statistics profit

Statistics profit at store.

## Add staff

Management can add new staff

## Delete staff

Management can delete staff at the store

## Check inventory

Warehouse staff check amount of product inventory so that notice to management staff

## Import product from supplier

The system shall accept insert information of product new by the suppliers

## Export product from supplier

Warehouse staff can export product

# Non-Functional Requirements

With feature search product information no more than 3 second

The software should be portable. So moving from one OS to other OS does not create any problem.

Privacy of information, the export of restricted technologies, intellectual property rights, etc. should be audited.

For Login function, Staff must change the initially assigned login password immediately after the first successful login and the initial should never be reused.

If the employee has entered the wrong password more than 3 times, staff must wait a period of time to continue. Such attempt should be reported to the security administrator.

The payroll system shall ensure that the employee salary data can be accessed only by authorized users. The payroll system shall distinguish between authorized and non‐authorized users. Employees never allowed to update their salary information. Such attempt should be reported to the security administrator.