# ABC’s Inventory Management System

## Project Vision

To be a leading digital retail Company for men’s clothing in New South Wales through the utilization of the appropriate technology in inventory management.

## Introduction

ABC is a retail Company that deals with men’s clothing in the New South Wales. Due to the increasing demand in managing inventory, there is a need for the ABC’s management to adopt an appropriate technology that would make this task easier. This can be achieved by employing a digital system that would enable the movement, monitoring, and distribution of stock across all the stores.

## Positioning

## Problem Statement

The problem affecting the ABC Company is the management of its inventory due to increasing stock that makes it difficult for the employees to monitor its movement and distribution.

|  |  |
| --- | --- |
| The problem of | * Tracking the movement of the products. * Stock theft. * Finding the current products base on the products’ information such as product code, location of the product, product image, etc. * Check the quantity of the product. * Re-viewing the records of the stock’s transfer. |
| affects | * Store staff * Ware house staff * Customer * Supplier * Company’s owner |
| the impact of which is | * Could not track the movement of the products. * Lack of detailed information about the movement of the stock and stock theft. * Finding the current products base on the products’ information such as product code, location of the product, product image, etc. is time-consuming. * Hard to check the quantity of each product. * Hard to re-viewing the records of the stock’s transfer |
| a successful solution would be | * Company will get detailed and precise information about the stock movement and stock theft. * Employees could look up current stock contents of the warehouse and each store and then request stock as required. * Employees will be able to send stock digitally i.e. automatically make an update to the database when stock is sent. * Distribution of stock would also be much easier for the warehouse staff as they will know the quantity of each stock for each store. * Implementing a digitized inventory management system that would ensure easy management, monitoring, movement and distribution of stock thus saving time and cost. |

## Product Position Statement

* The product intends to meet the demand for men’s clothing in the marketplace. The implementation of the digital technology would facilitate easy movement of the product to the market.

|  |  |
| --- | --- |
| For | * men |
| Who | * to meet the increasing customer demand |
| The (product name) | * Men’s clothing |
| That | * ere of high quality |

## Stakeholder Descriptions

## Stakeholder Summary

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Responsibilities** |
| ABC owner | This is a person who is in charge of the Company. | Coordinate and oversees all the activities of the Company. |
| Financial Manager | In charge of financial activities. | Ensures that the revenue generated is well utilized, keeps financial records, updates financial records. |
| Store Staff | Are the individuals who work in the stores. | Search the products/ Scan the products’ barcode, check the products’ information, send the request to warehouse staffs to get the products, check the records. |
| Warehouse Staff | Are the individuals who work in the warehouse and act as admin | Receive the request from store staff, send the products, check the products’ information, add new products, update products’ information, delete products, check the records, add new staff account. |

## User Environment

* The working environment of the target user will be a Windows Software where every activity and transaction is entered into the system. The employees can access to the Windows Software by the store’s CPU or warehouse’s CPU. Thus, the target user would conduct his/her duties in an effective manner. However, all the stakeholders would be involved in the implementation of the new digital system, hence, the number of individuals involved in the implementation of the task is bound to change. Each task cycle can take approximately one week but this is also bound to change. The environmental constraint that can limit the implementation of this project is periodic licensing of the system by the producer. The mobile Apps are commonly in use current and can be integrated with this new system to ensure easier accessibility of the Company’s products.

## Product Overview

## Needs and Features

|  |  |  |  |
| --- | --- | --- | --- |
| **Need** | **Priority** | **Features** | **Planned Release** |
| Management of inventory  Marketing of products  Customer interaction  Stock monitoring and distribution | Minimize losses  Increase sales  Maintain customers  Prevent theft | A Digital system  Online platforms  User interface  A digital system | 30 - 45 days  2 – 5 days  10 – 15 days  14 days |

## Other Product Requirements

|  |  |  |
| --- | --- | --- |
| **Requirement** | **Priority** | **Planned Release** |
| User manuals  Labeling  Online help  Installation  packaging | For guidance  Identification  Efficiency  Security & efficiency  Protection from damage | Before operation  During packaging  During placing of orders  During implementation  During packaging |