Abstract

A computerized supermarket management system is a system that helps to improve the activities done in the supermarket to be done using digitalized. The proposal explain more about how the manual system was working and its limitation where physical count, daily track of purchase, and documentation n was difficult and consumed a lot of time. The proposed system will help us to solve those problems experienced in the manual system. The proposed system aims to perform the following functionalities: its objective is to capture, modify and store the entities of the supermarket in the database electronically, monitor and give relevant alerts on the stock level using pop-up notifications, allow admin and employees to search available products electronically this will reduce time-consuming that was experienced in the manual system, integrate point on sale technology, and lastly employed the technology of using cipher text messages. The major limitation of the proposed system is that it is only accessible when there is a strong network and stable power because it depends on computers and smartphones. The system will be designed using entity relational diagrams and implemented on Xampp server software using PHP language. Chapter two will review the existing system and identify the gaps within these systems and tries to solve some of them, will also come up with the context diagram of the proposed system. The research methodology used in this project is the agile methodology because it will allow the researcher to work on different phases concurrently hence cutting off the budget. Interviewing and observation methods will be used to collect data and data will be analyzed using content and narrative analysis which are qualitative data analysis techniques.

Objectives

The major goal of this project is to create a Computerized Supermarket Management System (CSMS) for Nakumatt Supermarket to aid with progress level, stock taking, and managerial decisions by determining a supermarket's stock level, when to order items, keeping status, and updates of the transaction.

### 1.7.2 Specific Objectives

1. To design a system that will capture, modify, and store supplier, customer, product, and employee details in the database.
2. To develop a system that will effectively monitor and give relevant alerts on stock levels in the supermarket through pop-up notifications.
3. To develop a system that allows admin and employees to search for available products.
4. To design a system that will integrate point of sale to handle the data entry and to enable a customer to make payment electronically
5. To design a system and database that will store messages in cipher text and provide the secret decryption key to authorized individuals only.

Computerized

Supermarket

Management

System

Store

Management

Payment

Management

Customer

Management

Sales

Management

Purchasing

Management

Product

Management

This are modules of the projects you can add others