

# **Project Proposal**

## **Shopping Assistant system for Singhe Super pvt Ltd.**

**INTE 34242-System Design Project**

IM/2016/033

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**October 2019**

## **1: Singhe Super pvt Ltd.**

Singhe Super is the leading super market chain at Teldeniya town. As this is the leading supermarket chain in the town most of the people does their grocery shopping here. This super market chain consist of nearly 7-8 outlets.

## **2: Existing business process**

At present, these supermarkets have a computerized billing system. Normally customers get a shopping cart from the entrance and does their shopping by searching the products on their own or sometimes asks from a staff member. After filling their shopping cart they come to the cashier and then they receive the bill and the customer can pay the bill.

Card payments are allowed in the Supermarkets.

No goods are sold for debt.

## **3: Problem Definition**

As a part of their high-level strategic review, the management of Singhe Super has identified the following major business problems experienced in their present system.

- Customers find it difficult to find the racks where the preferred products are available.
- Some customers can't fulfil their needs because of lack of products.
- The management doesn't have a method to find which are the products that are searched by customers and are not available at their store .
- The management doesn't have a proper method to get reports on sales
  - ❖ What are the products with high sales
  - ❖ What are the products with low sales
  - ❖ What are the seasonal products
- The management doesn't have a proper method to predict future profits and losses.

## **4: Objectives of the Proposed System**

The main objective of the proposed system is to get an idea about the sales and to get an idea about what are the products unavailable at the store which are searched by the customers.

## **4: Scope of Project**

The project will coverup generation of sales reports and reports on products should be added to the stores. This product makes the customers easy to find in which rack is the products are available at the store.

## **6: Requirements Specification**

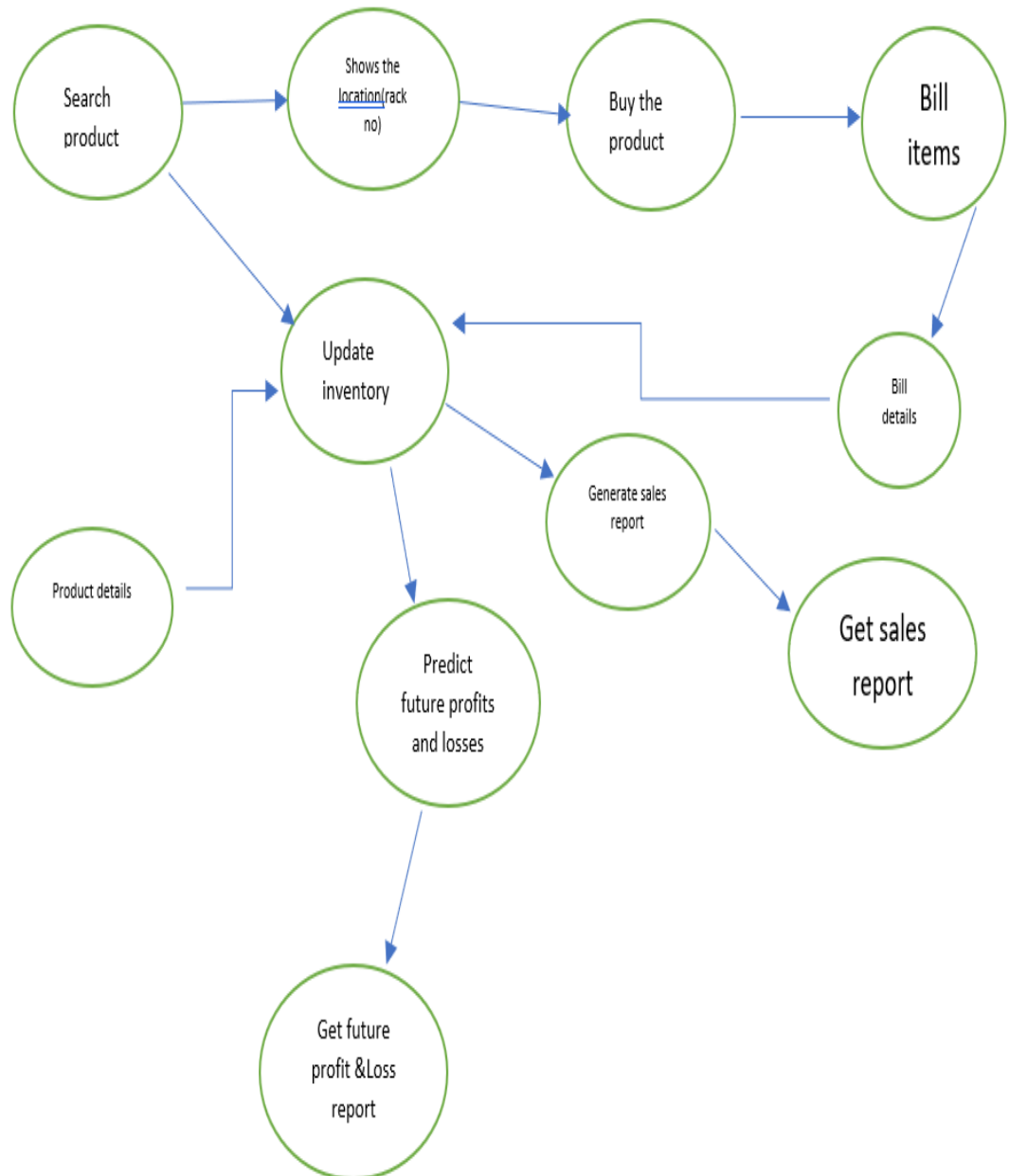
### Functional requirements

- Shall be able to produce sales reports
- Shall be able to predict future profits and losses
- Shall be able to predict sales on seasonal products
- Shall be able to predict products that should be added to the store

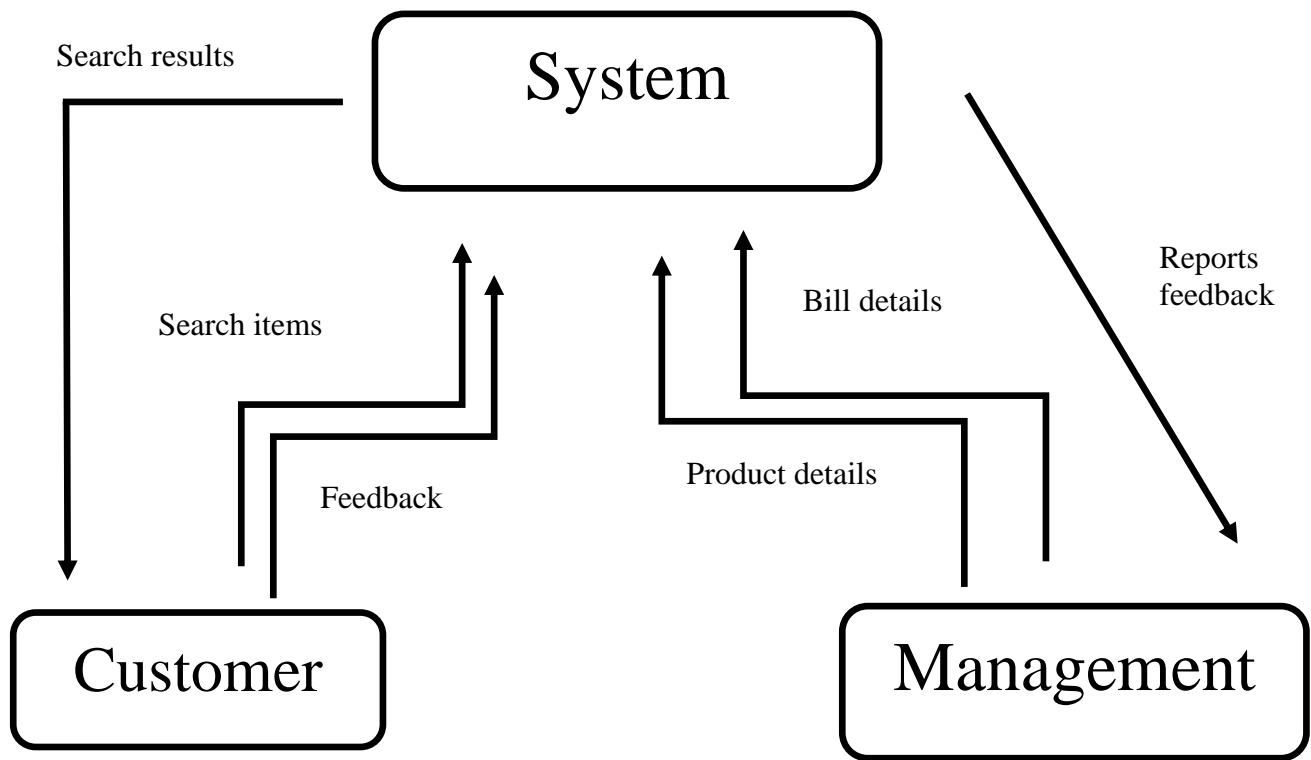
### Non-Functional Requirements

- Shall be able to provide a user-friendly GUI
- Shall run on existing hardware and software

## 6: Business Activity Model & Context Diagram



**Business Activity Model**



**Context Diagram**

## 7: Project Plan

	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13	W14
Project Proposal Development & Project Planning														
Project Proposal Submission														
Poster Presentation														
System Analysis and Design														
Submission of the Design Report														
Design Presentation & Prototype Product Demonstration														

## 8: Client's Contact Details

Manager – Singhe Super pvt Ltd.

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