



Parshvanath Charitable Trust's
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(All Programs Accredited by NBA)

Department of Information Technology



Supermarket Billing System

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Project Guide
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1.Introduction

- The project “Billing system” is an application to automate the process of ordering and billing of a “Departmental store” .This web based application is designed considering the chain of departmental store which is located in various cities. This application also administrates its users and customers
- This software project is a traditional supermarket billing system with some added functionality. This system is built for fast data processing and bill generation for supermarket customers.
- The billing system consists of an sql database and effective front end designed in Asp.net. . A product when billed is searched from the database and its price is added to the bill based upon the product quantity.
- The system also contains discounts on various products so that the product is offered at discounted price while billing. The supermarket billing system is built to help supermarkets calculate and display bills and serve the customer in a faster and efficient manner.

2. Problem Identified

- Inability of modification of data: The managing of huge data effectively and efficiently for efficient results, storing the details of the consumers etc. in such a way that the database can be modified as not possible in the current system.
- Problem Statement Supermarket requires stock control system to void out of stock level for each product
- Identify the use cases and produce a use case diagram for the system
 - a) Purchase goods from supplier
 - b) -Receive product from supplier (after check the product that need) 3
 - c) - Generate purchasing bill
 - d) View product in the supermarket

3. Objectives

- This project will serve the following objectives:-
- Add and maintain records of available products.
- Add and maintain customer details.
- Add and maintain description of new products.
- Add and maintain new entered category of products.
- Provides economic/financial reports to the owner monthly or weekly and yearly.
- Provides a convenient solution of billing pattern.
- Make an easy to use environment for users and customers.

4. Scope

- This project will help the store keeper in fast billing.
- This project enable store keeper to maintain a great database of all customers visited and purchase product from store.
- Project will enable to see report regarding product and category.
- Easy to maintain in future prospect.

5. Feature /Functionality

1. **Sales on account**- Some supermarket still maintain the open account for regular buyers, The POS should keep an informed account, and the system should make ready bills as needed
2. **Suspend transaction**- The solution must be able to suspend the transaction and shift to another. Later the original transaction can be amended, cancelled or edited
3. **Coupon redemption**- The application must turn out the coupon at checkout. The advance system may verify coupon against bought items and will evaluate percentage off amounts.

6. Outcome of Project

- User Can login through username and password
- User can selected for options available their option
- User can create direct Billing.
- User can update &delete product and buyer .

7. Technology Stack

➤ Frontend:

- ✓ Eclipse IDE ver 4.20

- ✓ Java veMYSQL ver 8

- ✓ MYSQL Workbenr 16.0.2



➤ Backend

- ✓ ch ver 8.0 CE

- ✓ MYSQL – Connector – Java 8.0.26



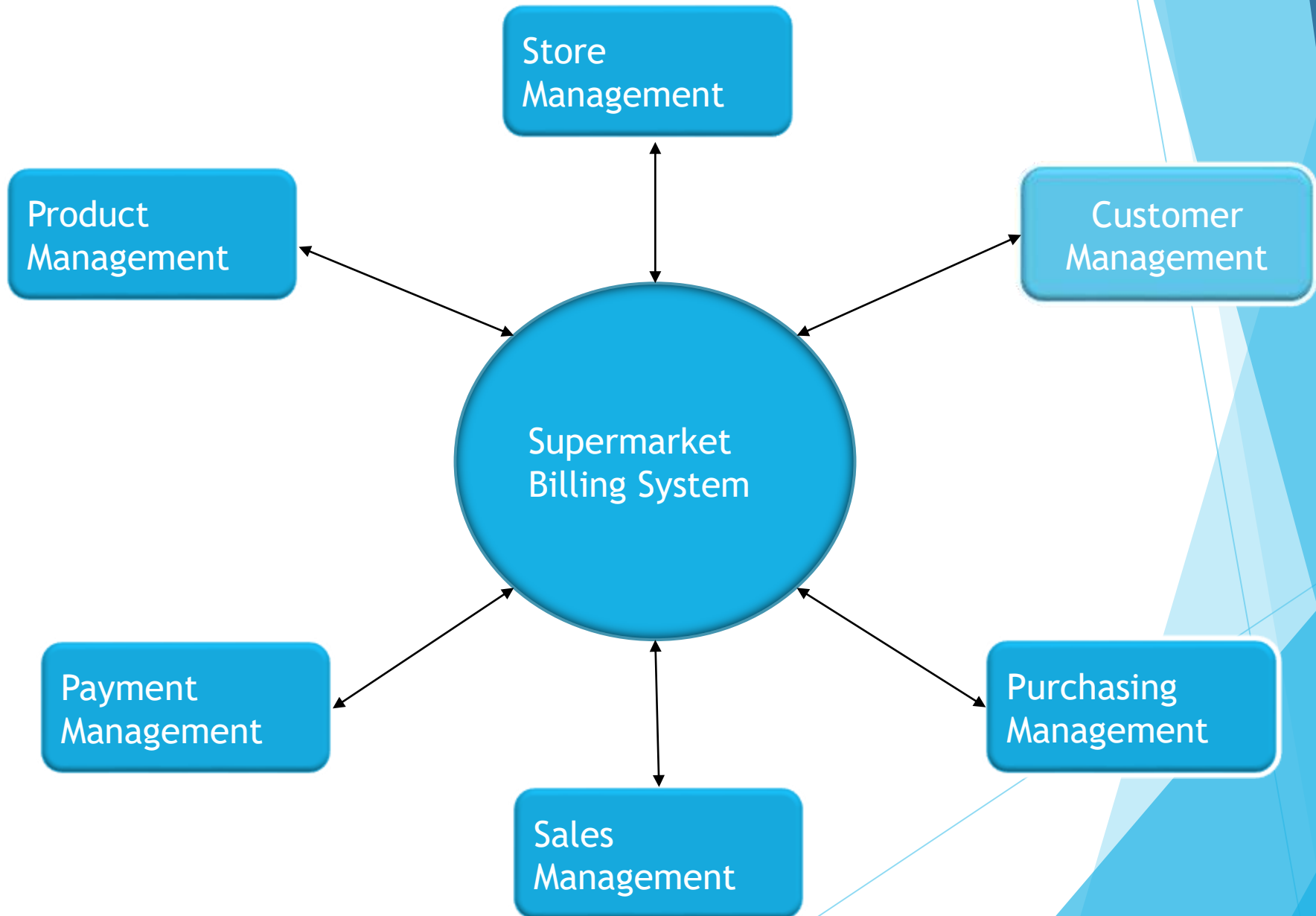
➤ Tool

- ✓ JDK 16.0.2 Windows

- ✓ JavaFX – SDK – 17.0.0.1



8. Block Diagram



Thank You...!!