

SUPERMARKET BILLING SYSTEM

PROJECT REPORT

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ABSTRACT

SUPER MARKET BILLING SYSTEM

Supermarket billing system automates the supermarket. It assists the users to manage records on customers. It is more efficient than a manual system as it is fully automated. Manual billing system cannot sustain the growing number of customers, it fails to maintain record for each and every person who visits the store. That's where the machine-controlled application comes to play. It can maintain records on each and every person. It is also relatively cheaper as it does not require physical storage. Supermarket billing system removes the usual problems faced by salespersons and make the whole thing hassle free. There are considerable issues with the manual billing system which can be solved easily through automated system and time can be used elsewhere. In this everything is sorted and ready to be used effortlessly. Automated system saves time and effort of a person and the organization through sorting and saving everything at one place. It is reliable, easier, quicker and more informative.

Existing System:

Many Supermarkets use this type of billing system. It has been improved according to the requirements of sellers and customers. It does the same work that is calculating the bill, gives it to the customer and maintain proper database and also generate records. A new concept is added in the billing system which also maintain relationship with the customer who purchase more products regularly, so that System gives them more commission.

Limitations of Existing System:

1. **Processing Speed:** Processing speed of the software is not so much good to operate fast.
2. **Flexible:** Existing system is not so much flexible that can be changed according to the operators and customers.
3. **Man Power:** Existing System uses so many people to operate the system.

Proposed System:

To reduce the disadvantage of the existing system there is a need to develop a new system. It has the following qualities:

1. Reduction in processing cost.
2. Improve reporting.
3. Ability to meet user requirements.
4. Flexibility.
5. Reduction in use of the proper.
6. Faster response time.
7. Reduction in Man power.
8. Automatic production of the documents and Reports.

SYSTEM SPECIFICATION

HARDWARE SPECIFICATIONS

Processor	:	i5 Processor
RAM	:	8GB
HDD	:	50GB

SOFTWARE SPECIFICATIONS

Operating System	:	Windows 10
Languages Used	:	Java

MODULE SPECIFICATION

System Billing have five set of modules.

The below are as follows:

- 1) Login - Credentials
- 2) Apply taxes and execution
- 3) Auditing the report
- 4) Enroll the statistics about stock
- 5) Determine the bill

1. Admin module:

Login–Credentials:

This module is developed for the Access of clients. We have 2 users so Login–Credentials is for:

11. Administrator

1.2. Bill Computation Operator

2. Apply taxes and execution module:

Apply taxes and execution: This module is for execution who will

- 2.1. Arrange the taxes for the products.
- 2.2. Arrange the executions for the products.

3. Auditing the Report module:

Auditing the Report: This module is for the administrator who can generate or audit the report of the stock. How many commodities are sold on certain date or in a span of time.

4. Enter the statistics about stock module:

Enter the statistics about stock: This module is for data entry operator who will

- 4.1. Enroll which stocks come in the store.
- 4.2. Prices and expiry date of the stock.

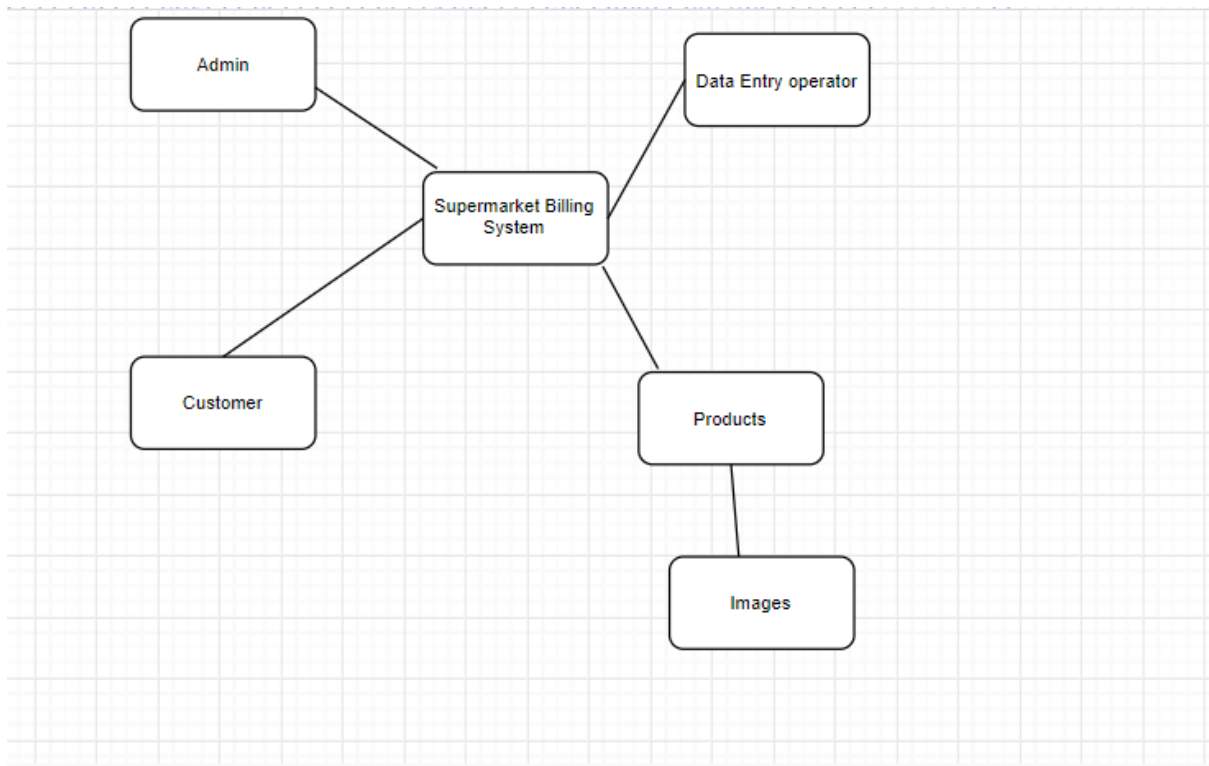
5. Determine the bill module:

Determine the bill: This module is for bill calculating operator who will

- 5.1. Determine the bill.
- 5.2. Print it.

SYSTEM DESIGN

ARCHITECTURE DIAGRAM



Use Case Diagram:

