

Project Requirement Specification

For

RELIABLE BILLING SOFTWARE FOR COMPANY'S GROWING NEEDS



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1. Executive Summary

1.1. Project Overview

Reliable billing software deals with the automation of a company. This software will help sales persons in managing the various types of records pertaining to customer. The product will help the user to work in a highly effective and efficient environment. It consumes the considerable time and energy that could be utilized in the better productive activities. Apart from that, with increasing customer strength, the task of managing information of each individual customer is indeed a cumbersome task. In the manual system, there are number of inefficiencies that a salesperson faces. The information retrieval is one of the foremost problems. It is very difficult to gather the overall performance reports of the customer. Large records-books have to be maintained where relevant and irrelevant information has to be stored .The automation deals with all such problems and tries to remove them in the best suitable fashion. The new system will cater to the need of the sales persons of any Company so that salesperson can manage the system efficiently. Reliable billing software is developed with the objective of making the system reliable, easier, fast, and more informative.

1.2. Purpose and scope of this specification

Scope of this project is to investigate and design a software solution which can facilitate both customer and salesperson in performing their daily tasks, improving efficiency, and helping them to be more productive. This project will provide a solution through which salesperson can easily manage, handle and generate all required information in their respective format when needed. It provides quick way of operation by capturing the manual process and automating them. It will help them to manage the bill details, financial data, and historical data and also in producing documents of different formats for different customers. This solution will help salesperson in reducing effort spend on managing many bills. It will also provide them opportunity to explore possibility of generating documents, managing financial details. This system will help the salesperson to manage in fast billing. It will help to

maintain the data of the purchased items. It also gives bill to the customers. It will set the rates of taxes and commission on products. The project will enable to see the report regarding product and category in a fixed period of time.

2. Product Service Description

2.1. User Characteristics

A. Customer

Customer is the one who Purchases the items.

- Enter Item Number
- Quantity
- Add Product
- Place Order
- Generate Bill

B. Administrator

- Create Product
- Display Product
- Query
- Modify Product
- Delete Product
- View Product Menu

2.2. Assumptions and dependencies

- Admin should know the use of software.
- It is assumed that the products updated by admin is correct and available.

3. Requirements

3.1. Functional Requirements

- Unique Product Number
- Product Updating
- Price Updating
- Update Discount

3.2. User Interface Requirements

- **Hardware Requirements**

Processor : Pentium or above

Hard Disk : 40 GB

RAM : 8 GB

- **Software Requirements**

- Operating system : Windows (any Version)
- Front End : Visual Studio Code
- Back End : C++ Language

3.3. Usability

- Create invoices quickly
- Create and Save Purchasing details
- Accurate information
- Maintaining record of product in stores

3.4. Performance

- It is easy to use.
- It gives all the purchasing reports of software.

3.4.1. Capacity

It is capable to stores all purchasing details of customer.

3.4.2. Availability

The software is available for use from the company opening time to the closing time.

3.4.3. Latency

It depend on hardware specifications.

3.5. Manageability/Maintainability

3.5.1. Monitoring

It is monitored by administrator.

3.5.2. Operations

- Create Product
- Display Product

- Modify
- Delete Product
- Order Placing
- Query
- View Product Menu

3.6. System Interface

Billing System interface with this system is used to post all the financial transactions like invoices, payments, and adjustments. This system works like a general ledger for the finance department and gives complete revenue information at any point in time it is required.

3.7. Security

3.7.1. Protection

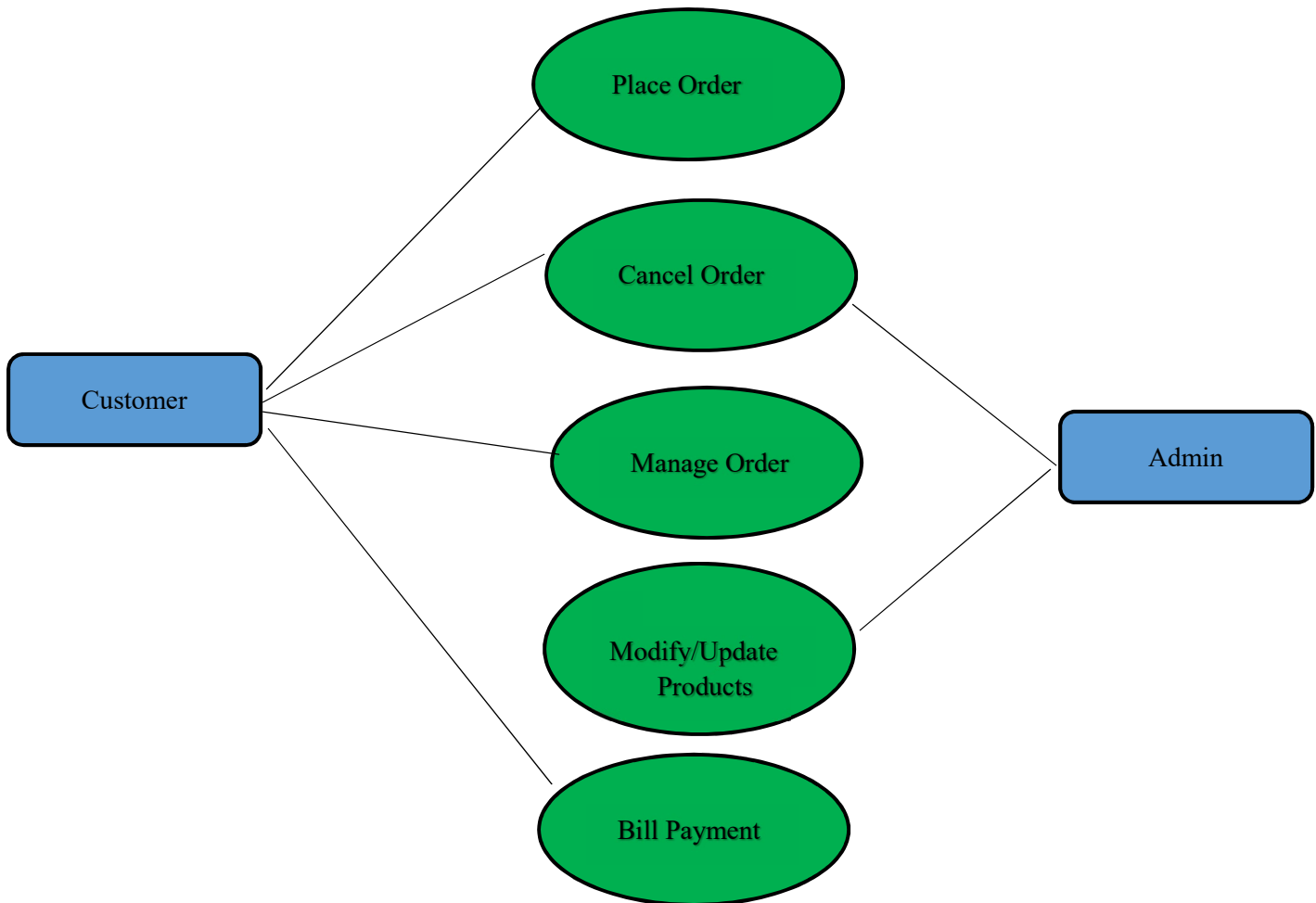
All the data is in encrypted form.

3.7.2. Authorization And Authentication

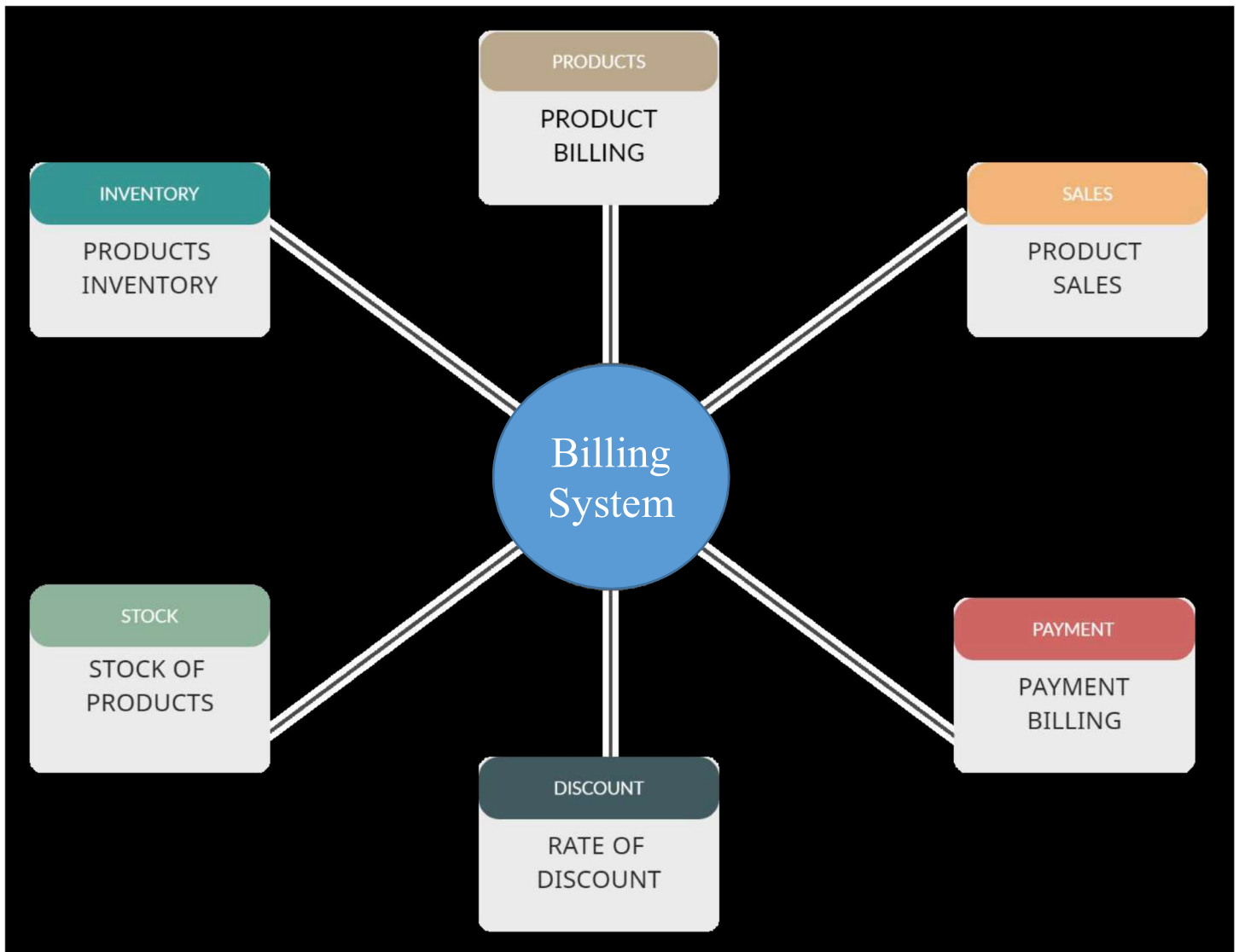
- The software does not allow the inventory to be reduced from the database without the concerned item being purchased.
- The software does not allow any other person except the managers to change the price of the products.

4. Use Cases

4.1. Use Case Diagram



4.2. Low Level Flow Diagram



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