Anudip Foundation

MEDICAL STORE MANAGEMENT SYSTEM

Project supervisor

Miss. Priti L. Yadav

REPRESENTED BY

Mr. GAIKWAD ROHIT N.

Miss. KAMBLE SNEHA K.

OVERVIEW

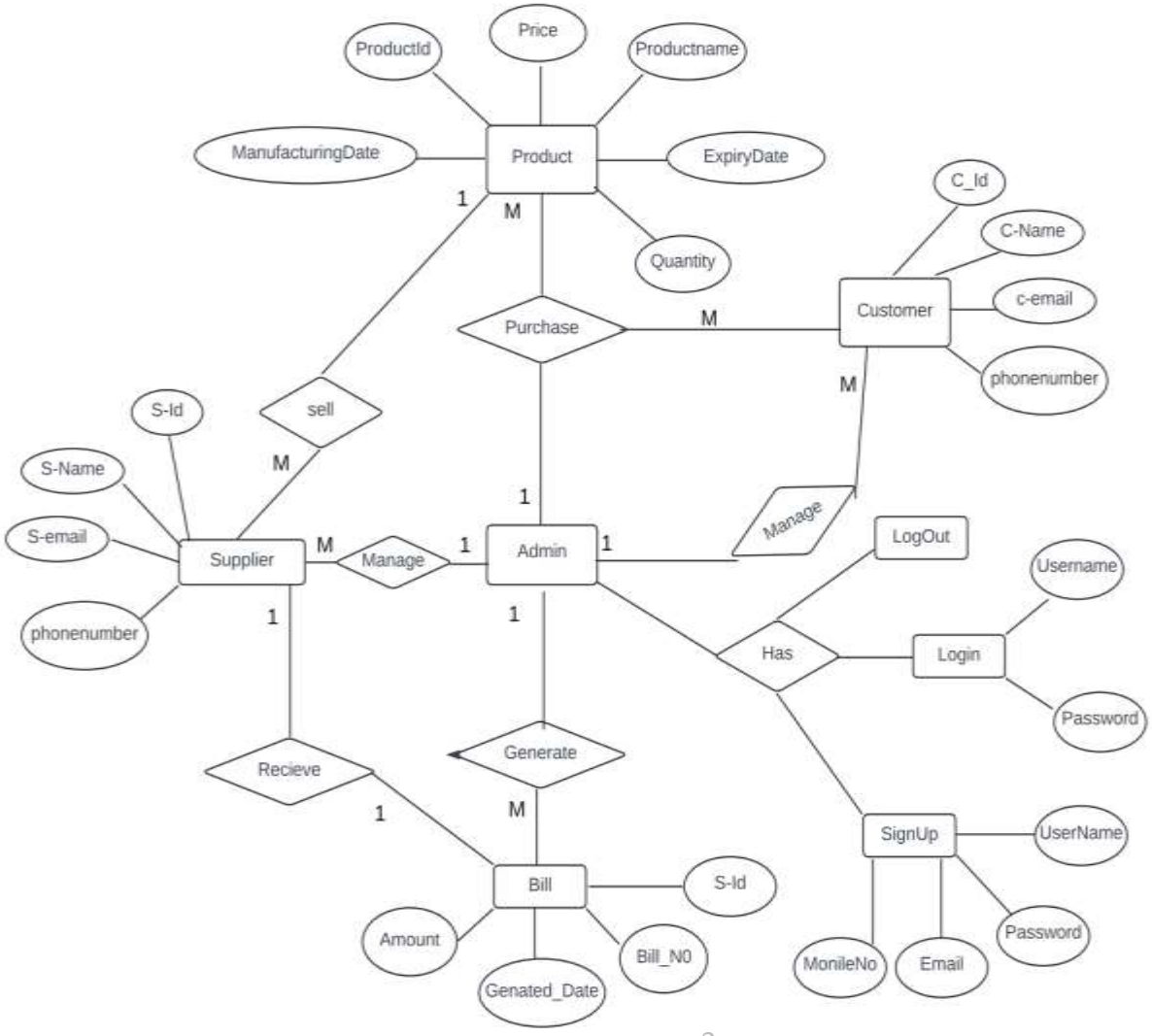
INTRODUCTION

- **In this application, we have one role called Admin. Admin will be responsible for Adding/Removing/Updating medicine details in the system.**
- **This application is developed to manage medical shops using an online automated system. It will help the store owner to track the medicine and inventory details. This Project has all the necessary functionality from adding and deleting medicines from the system.**
- **The overall project is designed using the MVC pattern (MVC i.e. Model, View, and Controller). In the Backend, it is using Spring Boot, at the data access layer the project is using Hibernate Framework, and at the frontend, we are using HTML, CSS, and Bootstrap. The Database used here is MYSQL.**
- **By leveraging Java's robust features and object-oriented programming principles, this system ensures reliability, scalability, and maintainability.**

KEY FEATURES

- **Inventory Management: The system allows easy management of inventory by providing functionalities to add new items, update quantities, search Item, track expiry dates, and remove expired items.**
- **Sales Processing: It facilitates smooth sales processing by enabling the creation of sales transactions, calculating total prices, updating inventory after sales, and generating invoices for customers.**
- **Customer Management: The system can include features for managing customer information, such as adding new customers, updating contact details, and tracking purchase history.**
- **Supplier Management: Similarly, supplier management functionalities can be integrated to manage supplier information, track orders, and manage supplier relationships effectively.**
- **User-friendly Interface: A user-friendly graphical interface is provided to enhance user experience and facilitate easy navigation through different functionalities of the system.**
- **Security: Robust security measures are implemented to ensure data confidentiality, integrity, and availability.**
- **Database Integration: The system integrates with a relational database management system (e.g., MySQL, SQLite) to persistently store and retrieve data, ensuring data consistency and durability.**

E-R DIAGRAM


ProductId
Price
Productname
ManufacturingDate
Product
ExpiryDate
Quantity
1
M
C_Id
C-Name
c-email
Customer
phonenumber
Purchase
M
M
sell
S-Id
S-Name
S-email
Supplier
phonenumber
M
1
Manage
1
Admin
1
Manage
LogOut
Username
Has
Login
Password
1
1
Recieve
Generate
1
M
SignUp
UserName
Bill
S-Id
Amount
Bill_N0
Genated_Date
MonileNo
Email
Password

MODULES

- **Products: Represents an item available in the medical store.**
- **Attributes: ProductId, name, price, quantity, manufacturingDate, expiryDate.**
- **Supplier: Represents a supplier who provides products to the medical store.**
- **Attributes: supplierId, name, email, phone.**
- **Customer: Represents a customer who purchases items from the medical store.**
- **Attributes: customerId, name, email, phone.**
- **Sale: Represents a sale transaction made by a customer.**
- **Attributes: saleId, date, totalPrice.**
- **SaleItem : Represents an individual item sold in a sale transaction.**
- **Attributes: saleItemId, sale (reference to Sale), item (reference to Item), quantity.**

TECHNOLOGIES USED

Front-End: Html, CSS, JS.

Server-side: Spring Boot.

Back-end: MYSQL, Hibernate

THANK YOU