Medical Inventory Management System

Requirements:

This is a medical inventory management system for storing and selling medical products. It has two types of users, manager and employee. Admin has complete access to the products and employees of the system. Usually, the system should store maximum of 5000 or a minimum of 10 packets. Employee has access to the inventory, puts each item to its own category and takes care of order. The system must save data daily for backup purposes.

1-Login:

The system has two types of users as described above: Manager and employee. Each user has to type in an email and password to enter the system. And this password should be unique, it means this system can't allow two or more user have the same password.

Users: Each user can perform several different actions with the manager having more power.

2-Managers

Managers have certain roles in the system that'll be described in detail below.

Manage products: A manager will have the ability to add new products to the system. Also, the manager will be able to remove items from the inventory once they're out of stock or when they reach their expiration date. Lastly, they can also edit information about the product in case of a mistake during the addition procedure.

Add product information: Managers also have the responsibility to enter details about products such as name, size, price, quantities and descriptions.

Manage Employee information: The manager also administers information regarding the employee such as name, ID, unique password, salary and address. Managers will also give each of their employees their own email and unique password to enter the system. They'll also have the ability to update information about an employee once there's a change.

Make annual reports: Managers will create reports once every year to analyze data, sales, and profit. This report will help the business to make careful and strategic decisions.

3-Employee:

Access information: Employees will have the ability to access information about available products, but this access to information is limited it means employees can't see the import price.

Orders: Employees will have the ability to place orders for customers, cancel orders if necessary, and update orders in case of any change from the customer or mistake.

Data entry: After the manager adds products to the system, employees will classify (filter) each product according to the specific category.

Receive payments: Employees will handle the payment process when the orders go through. and employees has this ability that can see the previous sales.

4-Products:

Product information: Each product should has ID, name, category, import price, export price, importing date and expire date.

Non-Functional Requirements:

1-Performance

Response Time: To ensure efficient user interaction, the system should respond to user requests within a specified time frame (e.g., 2 seconds for most operations).

Scalability: The system should be able to handle an increasing number of products, employees, and transactions without experiencing significant performance degradation.

Reliability: The system should be available 24 hours a day, seven days a week, with minimal downtime.

2-Security

Data Encryption: To prevent unauthorized access, sensitive data, including user credentials, should be encrypted in transit and at rest.

Access Control: Access to various system functions should be restricted based on user roles, ensuring that employees only have access to the tasks that have been assigned to them.

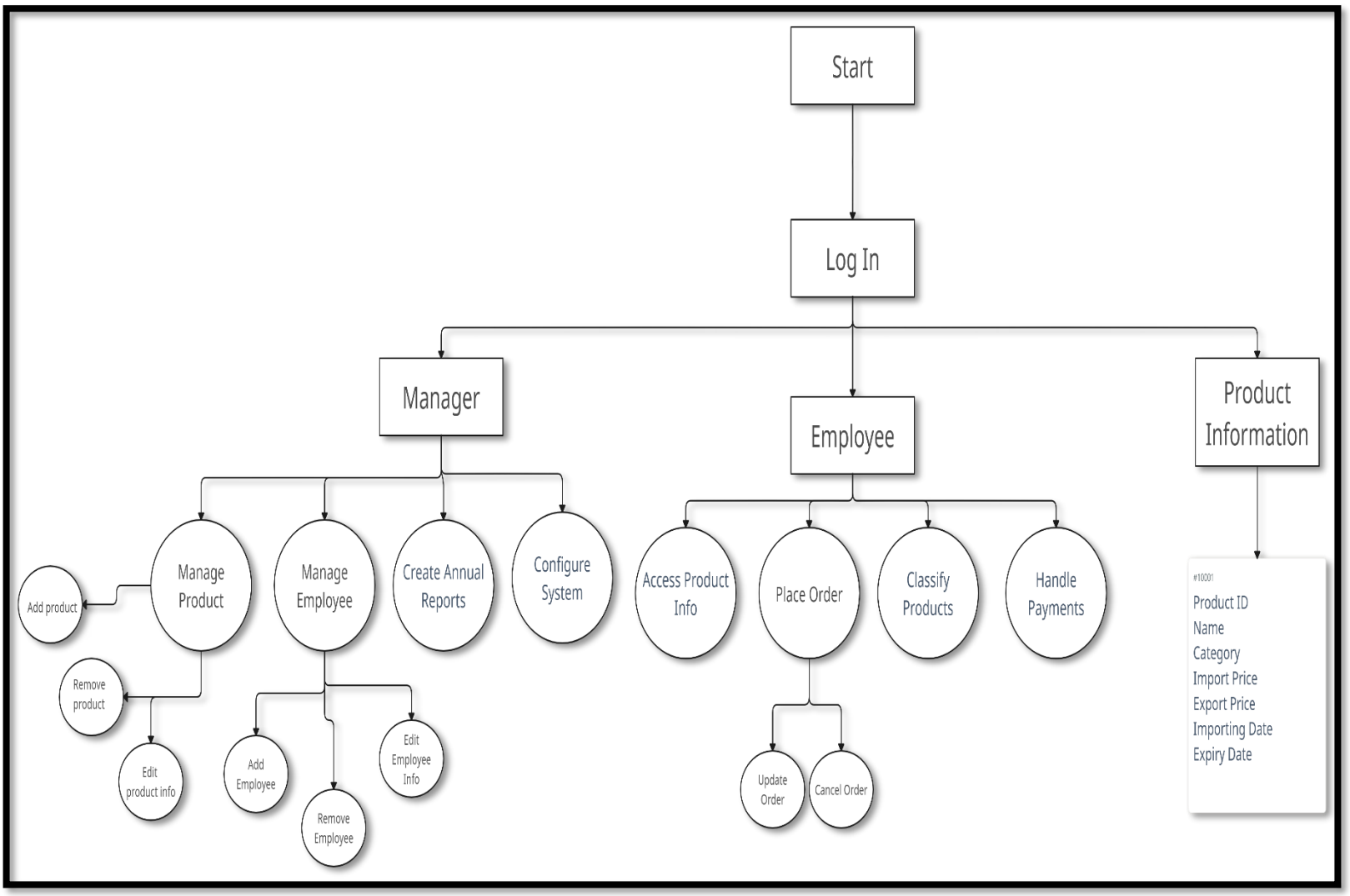
Audit Trail: For security and compliance purposes, the system should keep a comprehensive audit trail that logs all user activities.

3-Usability

User-Friendly Interface: The user interface should be intuitive, simple to navigate, and provide users with clear feedback.

Accessibility: The system should be designed to accommodate disabled users while adhering to accessibility standards.

Training and Support: Provide training materials and support to assist users in quickly adjusting to the system.


Start
Log In
Manager
Employee
Product Information
Manage Product
Manage Employee
Create Annual Reports
Configure System
Add product
Remove product
Edit product info
Add Employee
Remove Employee
Edit Employee Info
Access Product Info
Place Order
Classify Products
Handle Payments
Update Order
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Product ID
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