



BSc (Hons) in computer Science

GRADUATE DIPLOMA IN SOFTWARE ENGINEERING

PHARMACY MANAGEMENT SYSTEM

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GDSE 57

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1.0 Introduction to Business

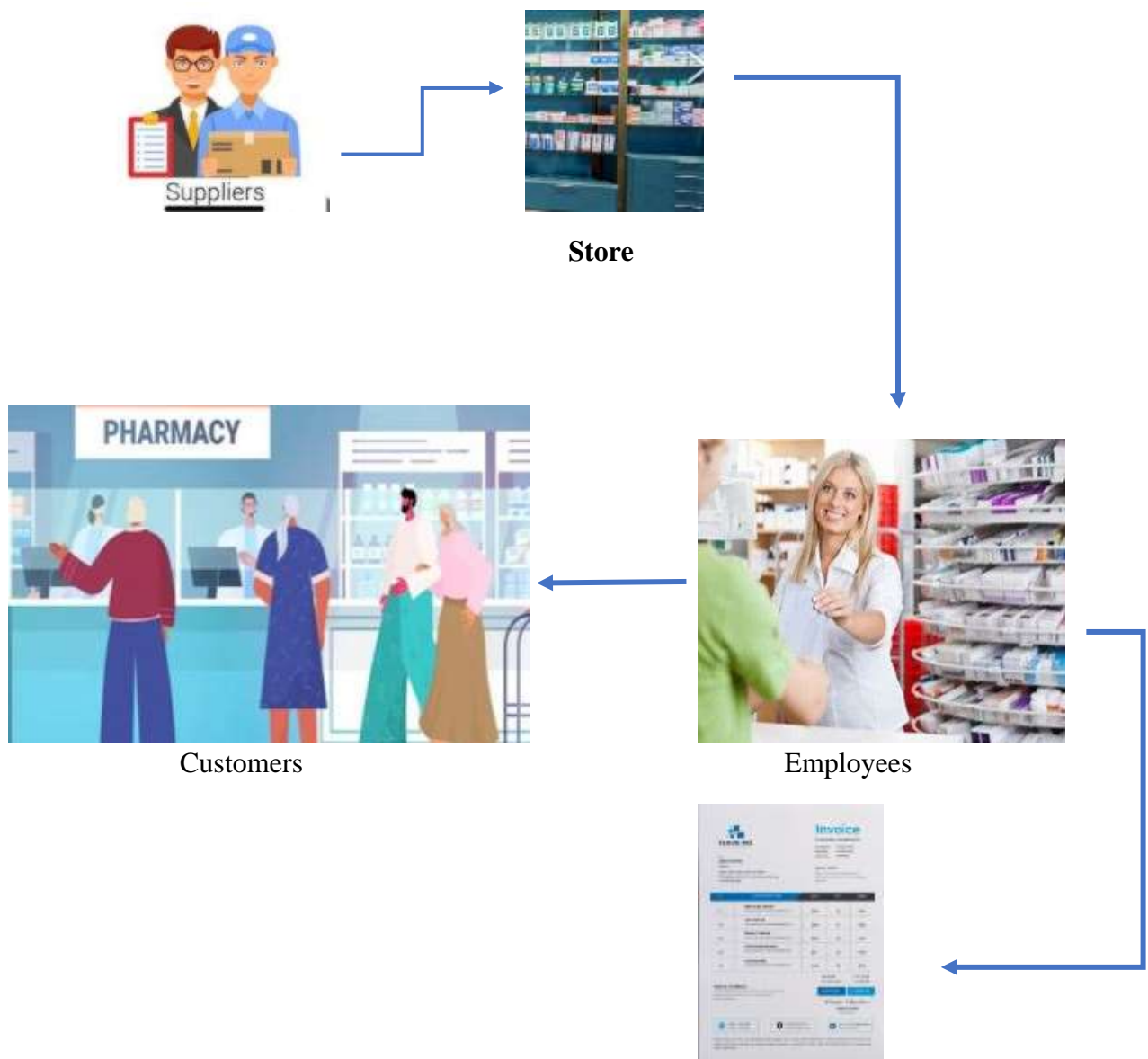
Pharmacy management system is a system that helps to manage various issues in a pharmacy. Due to this current situation of the world pharmacies have become an essential business. Due to that Covid condition online business, delivery services such new issues also arisen with pharmacy businesses. When dealing with online it is very important to keep those data because it may cause many issues later.

Here, this system helps to handle data, manage accounting up to some level, manage attendance, manage suppliers, manage employees, manage customers manage goods etc. So, with this system management and employees can do their work in a legal, well managed, efficient and effective way.

2.0 Overview of the proposed solution

Pharmacy sells medicines to online and real time customers. Due to this covid season they keep all records of customers who came to the pharmacy. Other than that, they also want to keep necessary details of online customers due to legal issues. (Because they can buy medicines for illegal cases). Pharmacy keeps a big stock of medicines and pharmaceutical items. They were managing those stock earlier by themselves. In this covid situation, they have to keep a larger stock but government has advised to reduce the number of employees at a time.

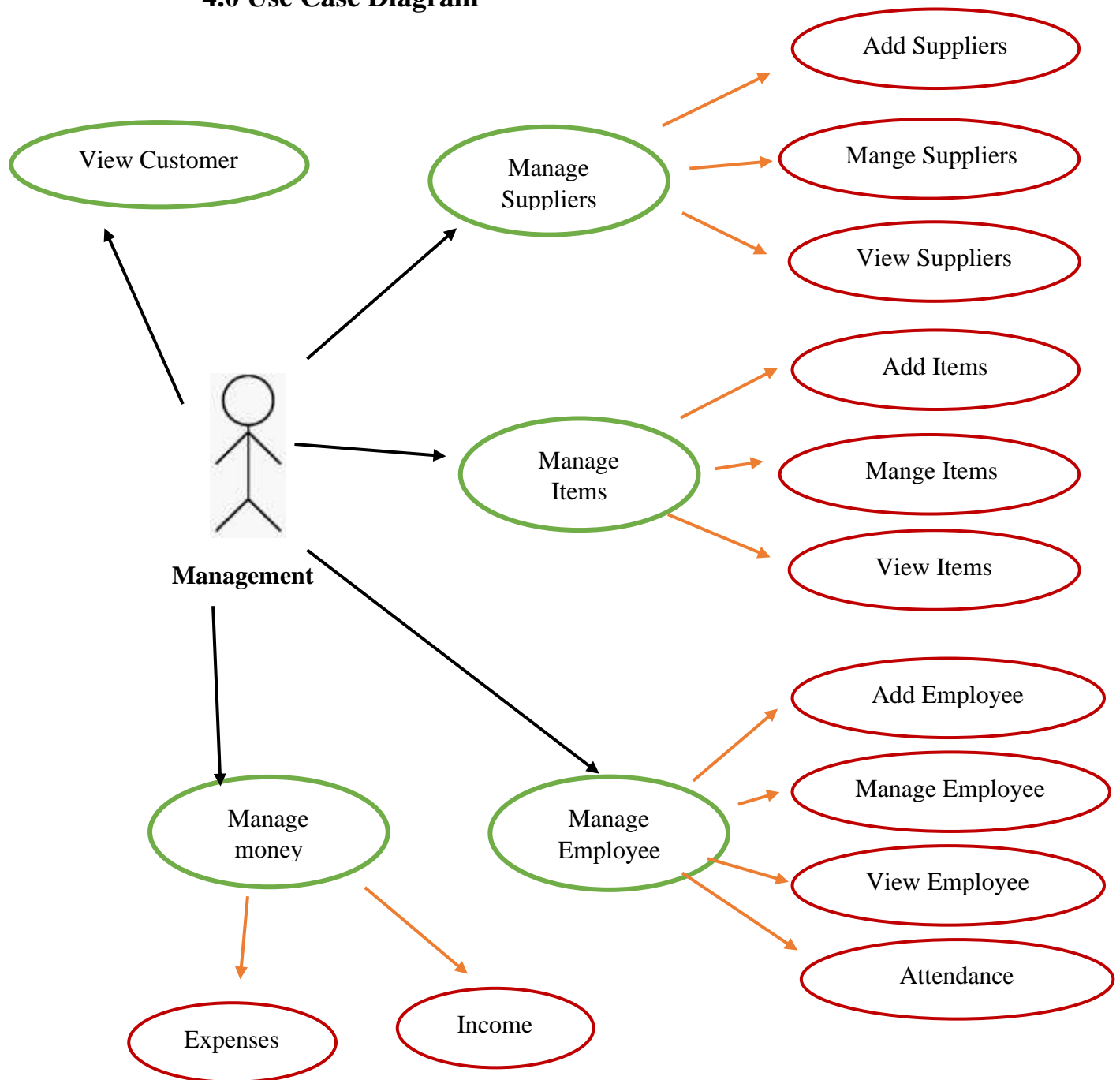
Employees sell the medical items to real time customers and place orders of online customer. Issue bills and receipts, buy stock and manage customer details.

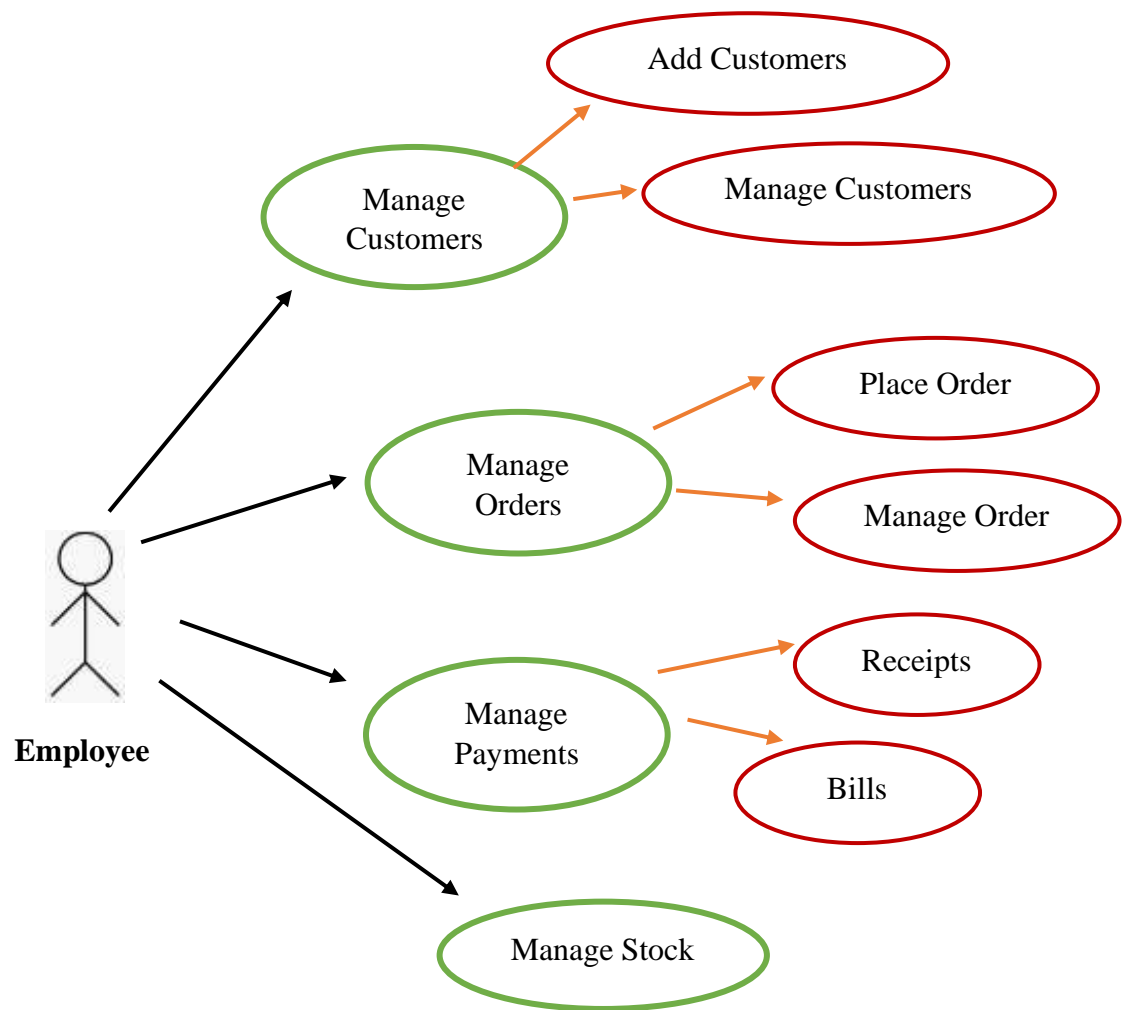


2.0 Advantages of the solution

- * Can handle and manage all data of items, suppliers, orders and customers.
- * Can manage the transactions, payments and incomes.
- * Can manage attendance of employees.
- * Can manage the counts of quantity on time.
- * Can find what medicines issued to whom by whom when and quantity.

4.0 Use Case Diagram





Use case description of “Place Order”

Name of the use case	Place Order
Actor Involved	Employee
Pre conditions	Order ID should be generated. Load Description of items
Flow of the event	Order ID should be generated. Customer Details should be added when Customer ID is given. Item list should be empty and should show each adding items. Bill should be print at last.

Use case description of “Manage Order”

Name of the use case	Manage Order
Actor Involved	Employee
Pre conditions	All the fields should be empty. Disable Update and Delete Buttons
Flow of the event	Enter order id. Search whether it exists. Load relevant data. Let update data and confirm update. Or let delete data and confirm delete.

Use case description of “Add Customer”

Name of the use case	Add Customer
Actor Involved	Employee
Pre conditions	All the fields should be empty. Search the whether the adding customer already exists when customer ID is given.
Flow of the event	Enter Customer ID. Search whether it has been occupied or not. Then let fill other Details. Then Confirm.

Use case description of “Manage Customer”

Name of the use case	Manage Customer
Actor Involved	Employee
Pre conditions	All the fields should be empty. Disable Update and Delete Buttons.
Flow of the event	Enter Customer ID. Load all data to relevant fields. Then let update and confirm update Or let delete and confirm delete.

Use case description of “Manage Stock”

Name of the use case	Manage Stock
Actor Involved	Employee
Pre conditions	Current stock should be display. Allow add stock or remove items from stock if needed.
Flow of the event	Current stock should be displayed in a JTable. Add new quantity or reduce quantity should be allowed. Then confirm action and updated table should be displayed.

Use case description of “Manage Payments”

Name of the use case	Manage Payments
Actor Involved	Employee
Pre conditions	Payment value should be loaded.
Flow of the event	Paying amount should be entered and balance should be calculated. The bill should be printed

5.0 Entity Relationship Diagram

