

# **CHAPTER-1**

## **INTRODUCTION**

### **1.1 Introduction**

The "Online Medical Store Management " has been developed to override the problems prevailing in the practicing manual system. This software is supported to eliminate and in some cases reduce the hardships faced by this existing system. Moreover this system is designed for the particular need of the company to carry out operations in a smooth and effective manner.

The application is reduced as much as possible to avoid errors while entering the data. It also provides error message while entering invalid data. No formal knowledge is needed for the user to use this system. Thus by this all it proves it is user-friendly. Medical Store Management System , as described above, can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus it will help organization in better utilization of resources.

Every organization, whether big or small, has challenges to overcome and managing the information of Stocks, Medical Shop, Sales, Medicine, User. Every Medical Shop Management System has different Medical Shop needs, therefore we design exclusive employee management systems that are adapted to your managerial requirements. This is designed to assist in strategic planning, and will help you ensure that your organization is equipped with the right level of information and details for your future goals. Also, for those busy executive who are always on the go, our systems come with remote access features, which will allow you to manage your workforce anytime, at all times. These systems will ultimately allow you to better manage resources.

### **1.2 Scope:**

The software product to be produced is a Medical Store Management System which will automate the major medical store operations. The first subsystem is to keep record of the stock of the medicines available and expiry date of the medicines. The second subsystem is

for billing and keep record of the customer. The third subsystem is keep record of the sale and the supplier and keep record of the profits and losses .

The proposed system for “medical shop management system” is computerized. Today is the age of computers. This software project solves all the problems discussed above in the present system. The main objective of developing this project is to save time and money. The proposed system provides the following features on different tasks. All the details related to a medical shop could be finding in one place .Will make the monitoring of medical shop and stock details easy.

### **1.3 Purpose**

The objective of Medical Shop Management System providing the medicines to the customers according to their request which contains the type of the medicine and the quality. The manufactures and manufacture the medicine requested and the same will be sent to the dealers. All the records will be saved systematically and not manually through paper work to solve further confusions and to make life easy. Database is cleared yearly or depending on certain span of time. It is an error free system and user friendly. It reduces paper work

## **CHAPTER-2**

### **LITERATURE SURVEY**

#### **2.1 Existing System**

The Existing system of the medical shop records just goes through maintaining the files according to the medicine companies. Like the records of the particular company, product etc. then the records of that each company schemes. The sections are created on the basis of a company are maintained on separate page, that of shops on the section of shops.

It becomes very tedious job to maintain medicine stock manually.

In the existing system, all the basic information was gathered from manually in spreadsheet format using files.

##### **2.1.1 Problem Analysis**

- To develop the computerized management system of medical shop from the manual system implemented at present.
- To maintain the record of the shop.
- To maintain the information of items being purchased.
- To maintain the records of customers billing and stock

##### **2.1.2 Limitations of existing system**

- It requires a lot of human time and thus is time consuming.
- The job of maintaining the records manually is very tedious.
- Voluminous data cannot be handled accurately.
- We cannot find a record of particular product, company or bill.
- Outstanding bills cannot be provided at proper time manually because it requires a lot of time.
- In existing system, accuracy is low because of computational errors and inability to process some transactions or errors committed due to fatigue in repetitive clerical tasks. To avoid all such problems an existing system requires computerized system

## **2.2 Proposed System:**

The proposed system can overcome all the limitations of the existing system. The system provides proper security and reduces the manual work. The proposed system tries to eliminate or reduce these difficulties up to some extent. The Minimize manual data entry

- Better services
- User friendliness and interactive

Minimum time required proposed system will help the user to reduce the workload and mental conflict. The proposed system helps the user to work user friendly and he can easily do his jobs without time lagging. It has got following features.

- Ensure data accuracy
- Secure data accuracy
- Proper control of the higher officials
- Minimum time needed for the various processing

## **2.3 Feasibility Study**

Feasibility study is a survey of possibility of computerization based on the next management of objectives related to an analysis of the existing facilities within the company.

The information collection that occurs during preliminary investigation examines system feasibility and the likelihood that the system will be beneficial to the organization. In this system the test, which were carried out for feasibility study were technical feasibility and economic feasibility.

- 1. Economic Feasibility.**
- 2. Behavioural Feasibility.**
- 3. Technical Feasibility.**
- 4. Operational Feasibility**

### **1. Economic Feasibility:**

Cost\_benefit analysis is used for this feasibility. Also we have to consider about recurring cost. It includes-

- i. Rental purchase of equipment
- ii. Salary of person (who operate this system)
- iii. Equipment maintenance.

Thus this system when compare on economical grounds proves to be more cost but acceptable. Hence we say that it economically feasible system.

### **2. Technical Feasibility:**

The proposed system requires hardware and software for its implementation. The computer system with printer is available in the mentioned construction organization. The computerized system follows all technical parts affected to technical views. The computerized system does not require any specific type of hardware. No additional hardware is required by the system. So we say that system is technically feasible.

### **3. Behavioural Feasibility:**

This is dependent upon determining human resources of project. All workers, who are employed not, dismissed. We suggest that the eligible supervisors will be employed in the firm as computer operator, after training them. Rest of them will be given job to other section of department whether the helpers are required.

### **4. Operational Feasibility:**

This study deals with the following issues: Is there sufficient for the project for the medical shop management and user has been in planning and development of project. When the proposed system was tested for above mentioned issues. It was found that result tending towards being positive and leading the system to make operationally feasible.

## **CHAPTER-3**

### **SCOPE OF THE PROJECT**

It may help collecting perfect management in details. In a very short time, the collection will be obvious, simple and sensible. It will help a person to know the management of passed year perfectly and vividly. It also helps in current all works relative to Medical Shop Management System. It will be also reduced the cost of collecting the management & collection procedure will go on smoothly.

Our project aims at Business process automation, i.e. we have tried to computerize various processes of Medical Shop Management System.

In computer system the person has to fill the various forms & number of copies of the forms can be easily generated at a time.

1. In computer system, it is not necessary to create the manifest but we can directly print it, which saves our time.
2. To assist the staff in capturing the effort spent on their respective working areas.
3. To utilize resources in an efficient manner by increasing their productivity through automation.
4. The system generates types of information that can be used for various purposes.
5. It satisfy the user requirement
6. Be easy to understand by the user and operator
7. Be easy to operate
8. Have a good user interface
9. Be expandable
10. Delivered on schedule within the budget.

# **CHAPTER-4**

## **METHODOLOGY**

### **4.1 Problem Definition**

#### **Drawbacks of System**

1. Time consuming...
2. More expensive...
3. Searching problem...
4. Maintains problem of all registers...
5. Less accuracy...
6. Problem for marking of not normal value...
7. More stationary...
8. Display multiple reports...

### **4.2 System Requirement & Specification**

System analysis is a process of gathering and interpreting facts, diagnosis problems and the information about the Medical Shop Management System to recommend improvements on the system. It is a problem solving activity that requires intensive communication between the system users and system developers. System analysis or study is an important phase of any system development process. The system is viewed as a whole and traced to the various processes. Such system analysis is concerned with becoming aware of the problem, identifying the relevant and decisional variables.

#### **Advantages of computerized system**

1. Time saving...
2. Less expensive...
3. Powerful searching...
4. Solve the problem of maintains register...
5. More accuracy...

6. Easy generate report...
7. Not display multiple reports...

#### **4.2.1 Hardware Requirements**

- Processor: Intel dual core or above
- Processor Speed: 1.2GHZ or above
  - RAM: 4GB RAM or above
  - Hard Disk: 500GB hard disk or above

#### **4.2.2 Software Requirements**

- Language: PHP(v.8.1.0)
  - HTML
  - Bootstrap
- Database: SQL Server
- Operating System: Windows 10/11



## CHAPTER-5

### SYSTEM DESIGN

#### 5.1 Module Of The Software

- **Login:** Admin can choose his own username and password. After logging into the system, he can provide username and password to other unauthorized users.
- **Master:** Product master contain the name of the product and the rate for each product. Product rate differs for dealer and adhoc sales. Employee master contains the complete details of the employee working in the factory. Dealers master contains the information of the daily dealers.
- **Order:** The order from the dealer is taken through phone and the products, quality is entered by an employee. It will be saved in the database and a crystal report will generated for billing purpose.
- **Manufacturing:** At the end of the today, total number of products to be manufactured report will be sent to the manufacturing department.
- **Stock:** After manufacturing, the products will be sent to the stock. Here we can get the total number of products available.
- **Sales:** This is a type of sale where the dealer or the customer can visit and buy the products normally.
- **Distribution:** Through transportation the products will be distributed to the dealer according to their request.
- **Reports:** Stock reports, shop inventory reports, dealer reports, manufacturer reports, products returned reports, refunded amount, paid amount reports can be generated

## 5.2 Entity Relationship Diagram

Entity Relationship Diagram ER-Diagram is designed tool. It is graphical representation of database system & entity described by its various attributes. Two entity related with one another. If there is some association present between them this relationship is shown with help of diagram.

### **\*Shape Of Entity Relationship Diagram\***



This Represent Entity Set

## ER Diagram of Medical Store Management:

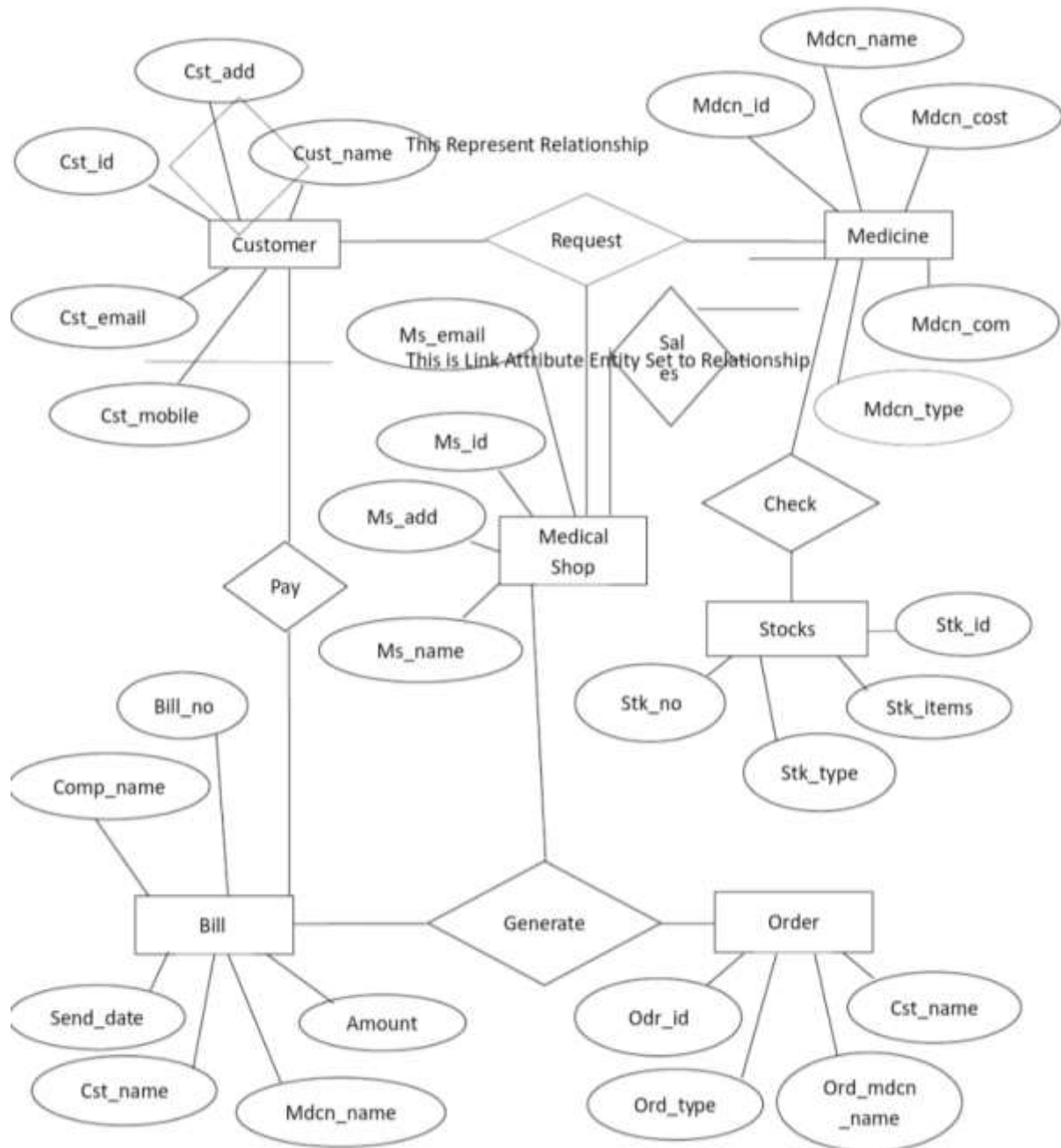


Fig.1 ER Diagram

## 5.3 Data Flow Diagram

### 1)Zero Level DFD



Fig.2 Zero Level DFD

## 2) First Level DFD:

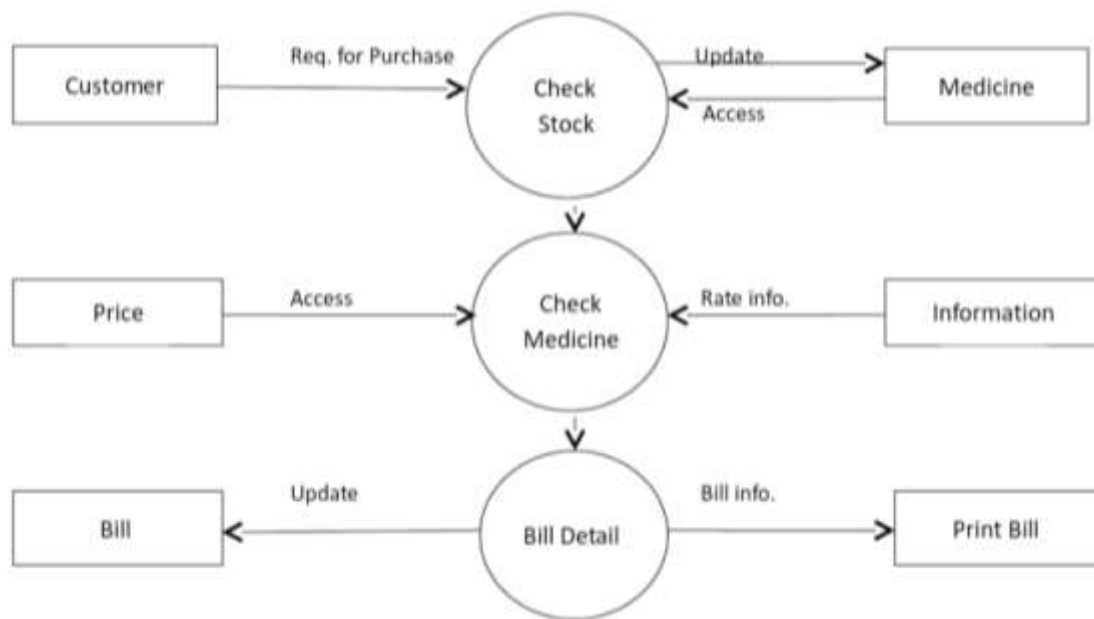


Fig.3 First Level DFD

### 3) Second Level DFD:

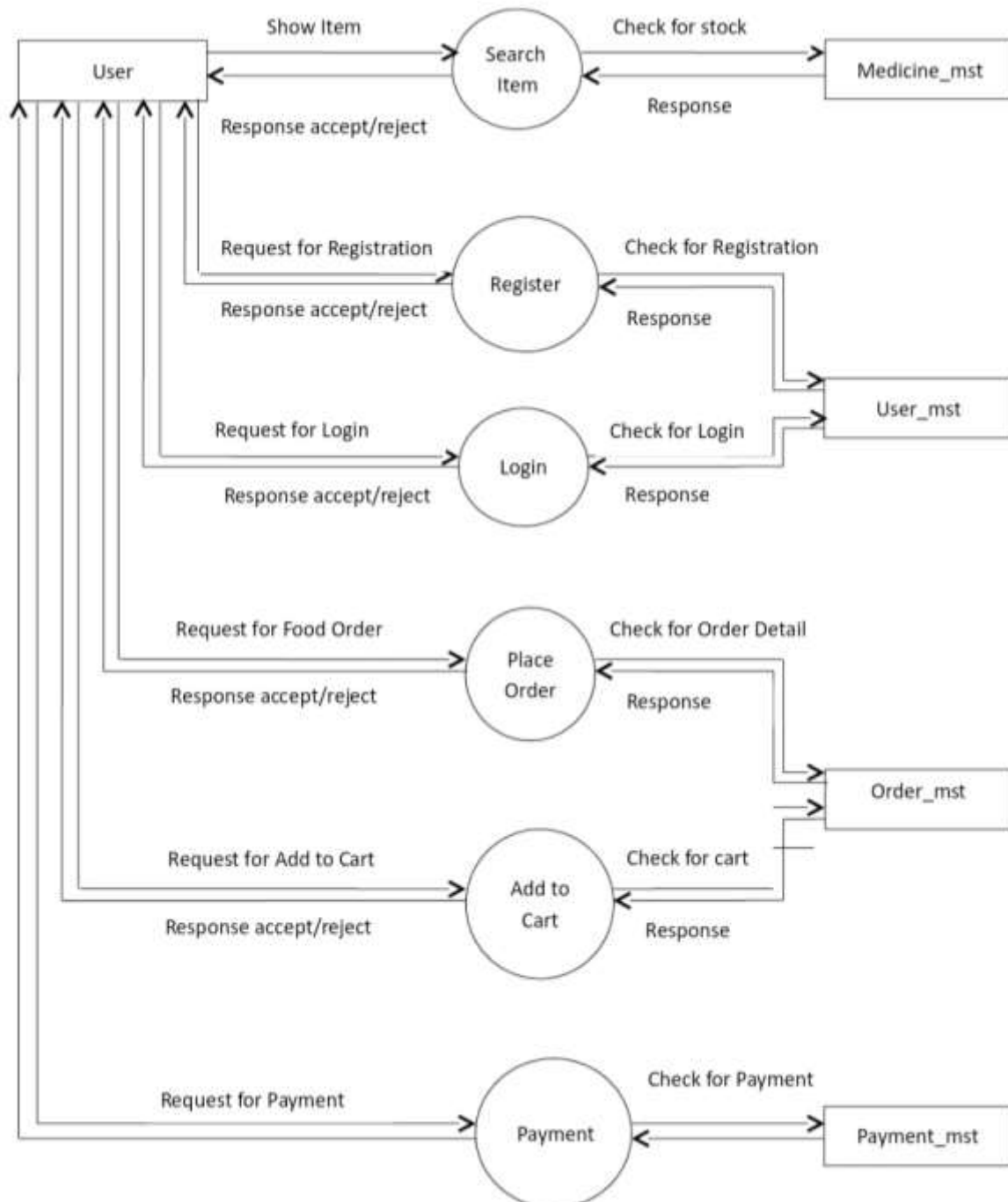


Fig.4 Second Level DFD

## 5.4 Use Case Diagrams

### Use Case Diagram for Distributor System:

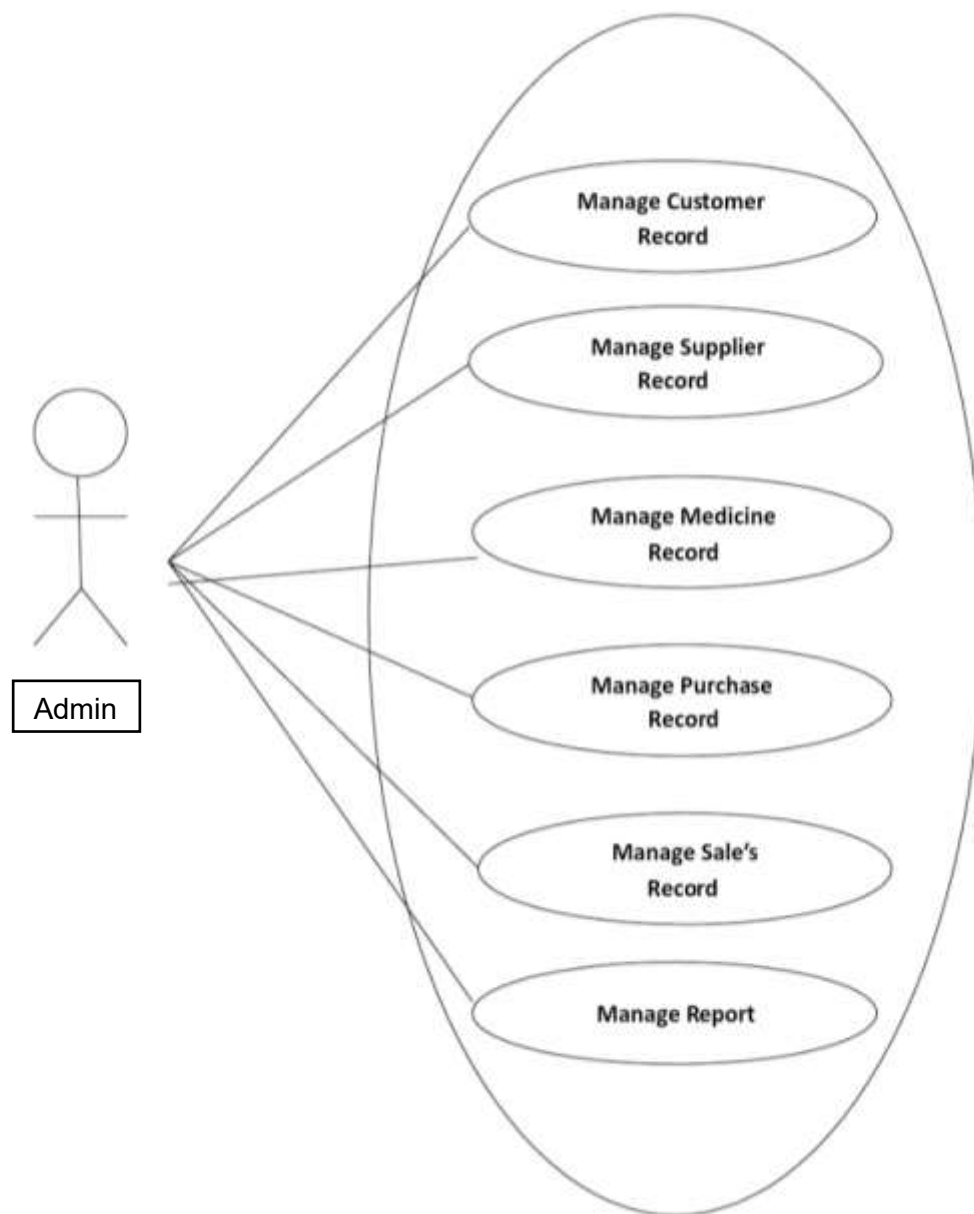


Fig.5 Use Case Diagram for Distributor System

### Use Case Diagram for Customer Subsystem:

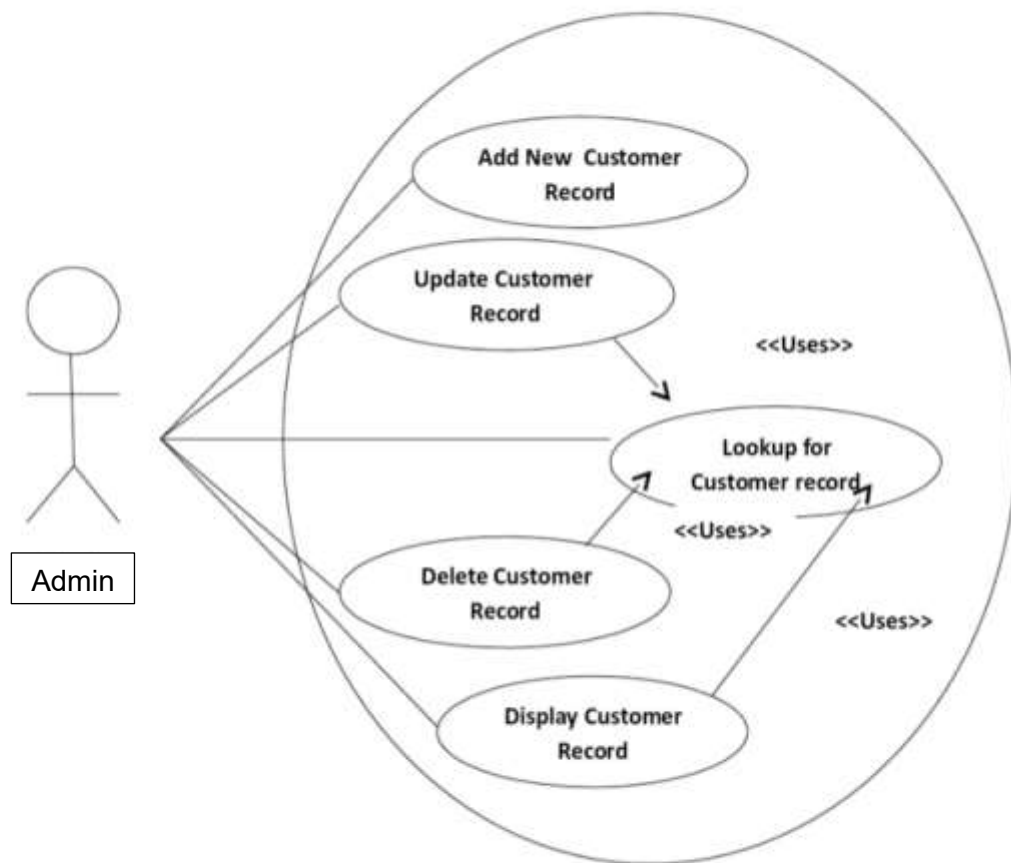


Fig.6 Use Case Diagram for Customer Subsystem



## Use Case Diagram for Medicine Subsystem:

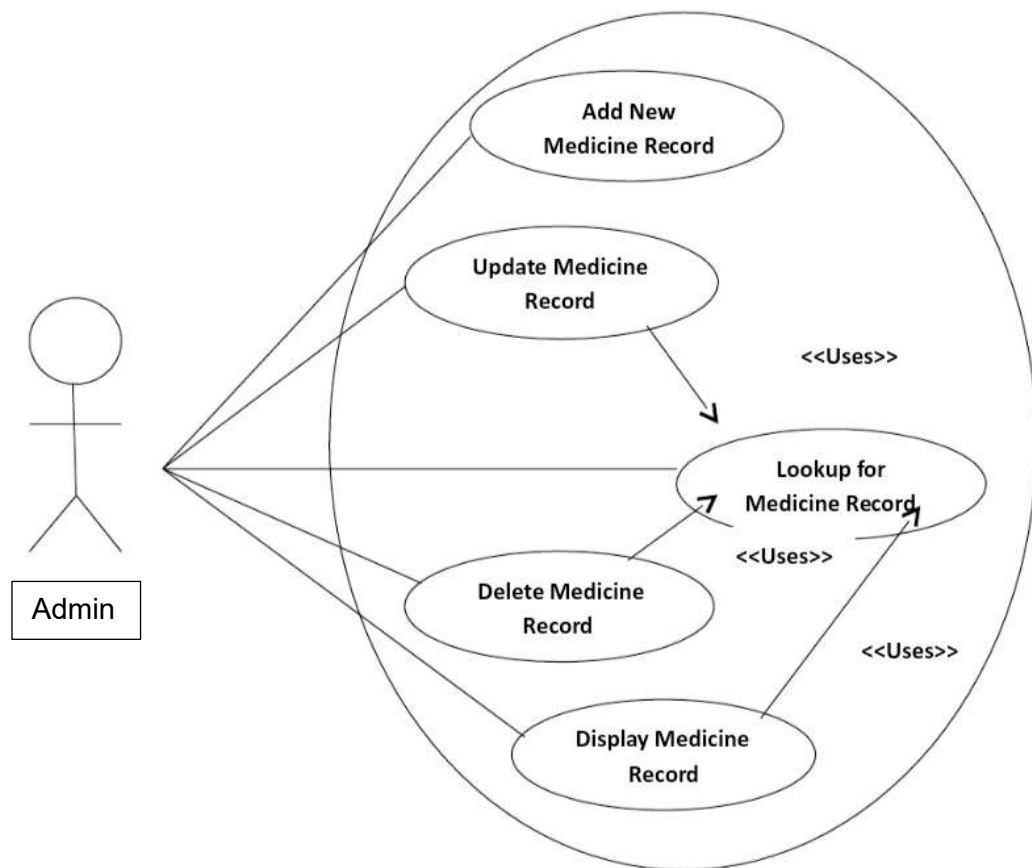


Fig.7 Use Case Diagram for Medicine Subsystem

## Use Case Diagram for Purchase Order Subsystem:

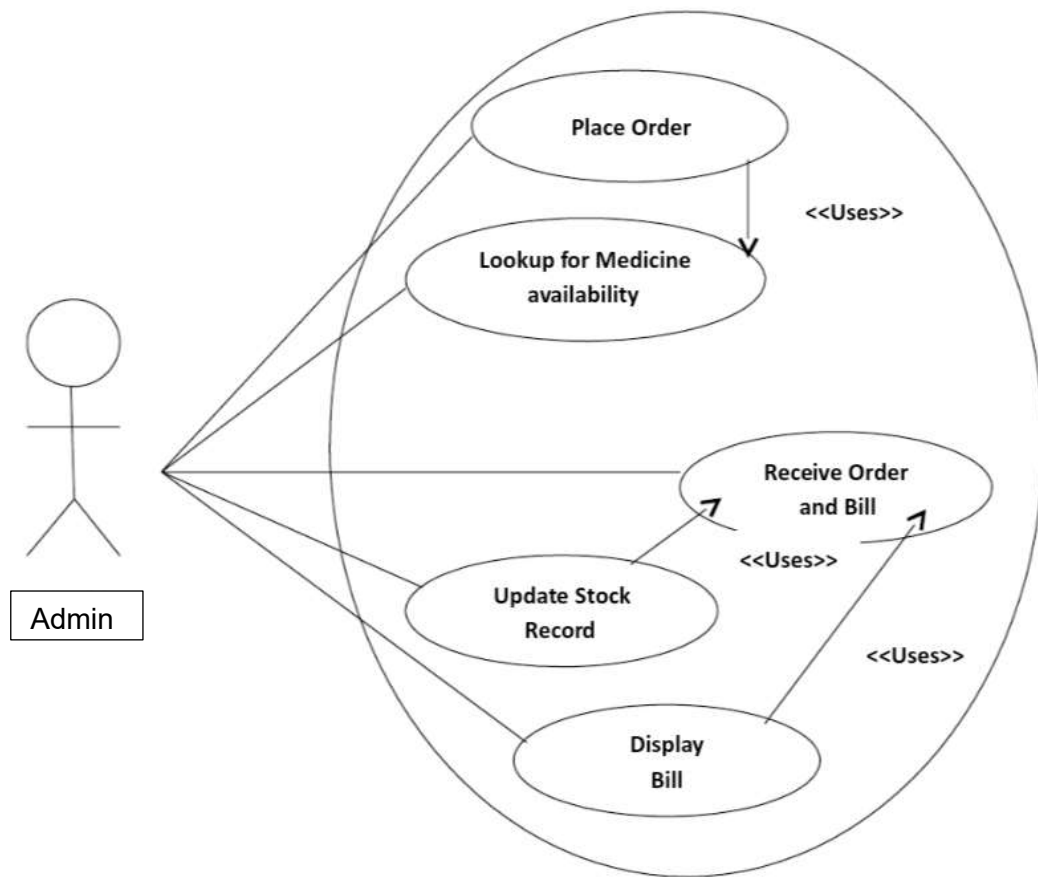


Fig.8 Use Case Diagram for Purchase Order Subsystem

### Use Case Diagram for Medicine Report Subsystem:

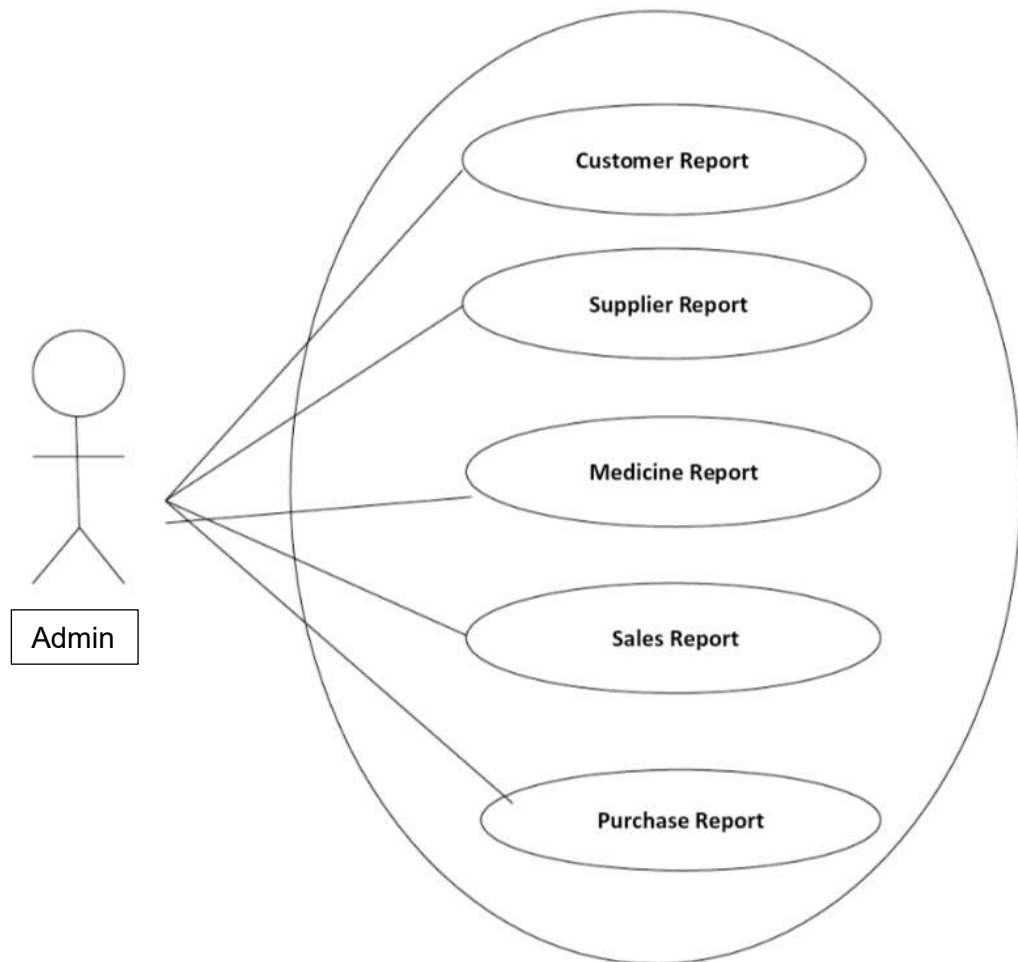


Fig.9 Use Case Diagram for Medicine Report Subsystem

## 5.5 Class Diagram

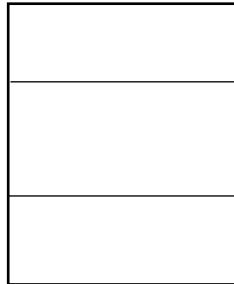
The UML activity diagram supplements the user case by providing a graphical representation of the flow of interaction within a specific scenario similar to the flow chart, an activity diagram uses rounded rectangles to imply a specific system function, arrow to represent flow through the system, Decision diamonds to depict a branching decision & solid horizontal lines to indicate that parallel activities occurs

### ❖ Symbol used in Class Diagram:

Name of class

Attributes

Methods



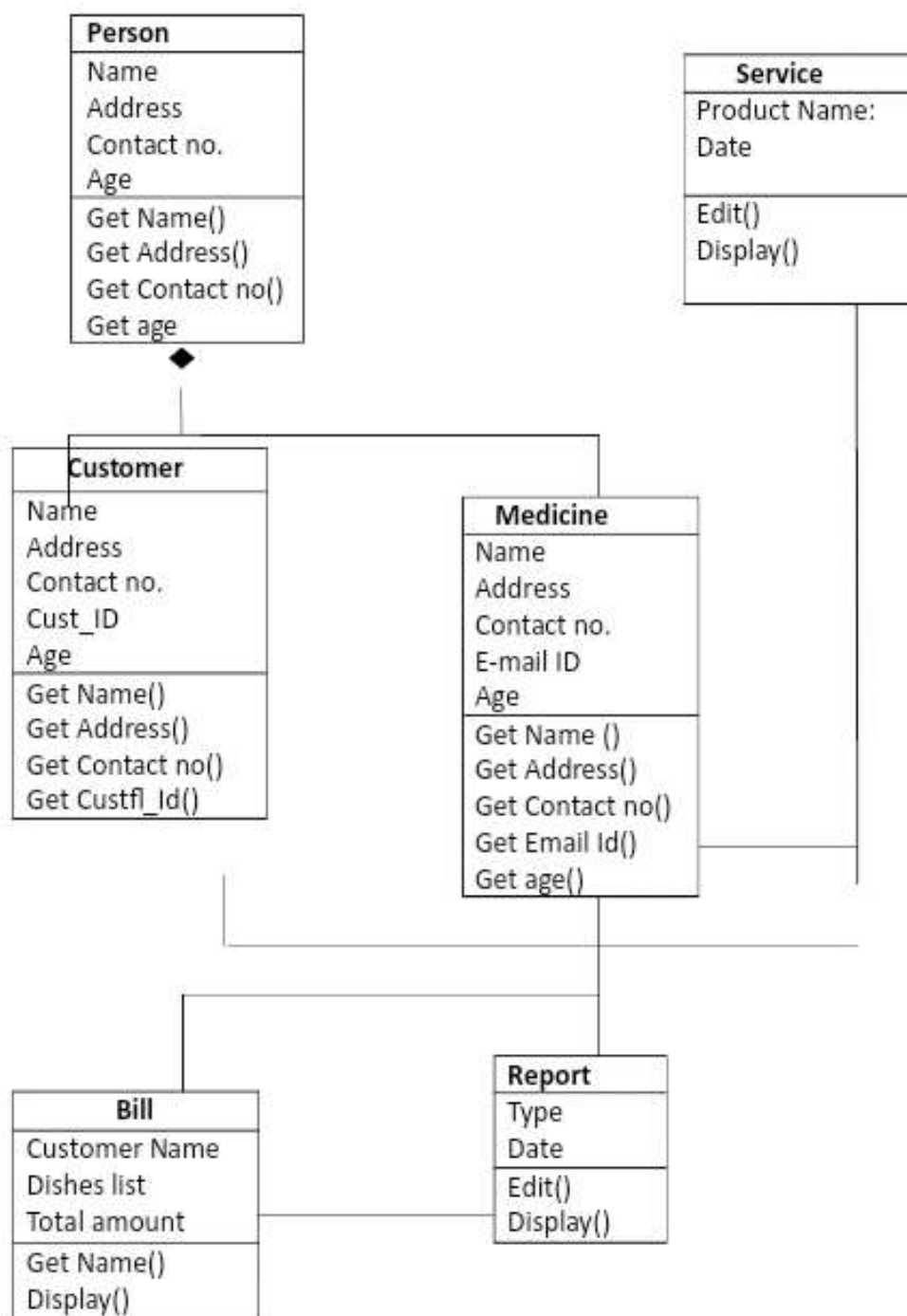


Fig.10 Class Diagram

## 5.6 Sequence Diagram

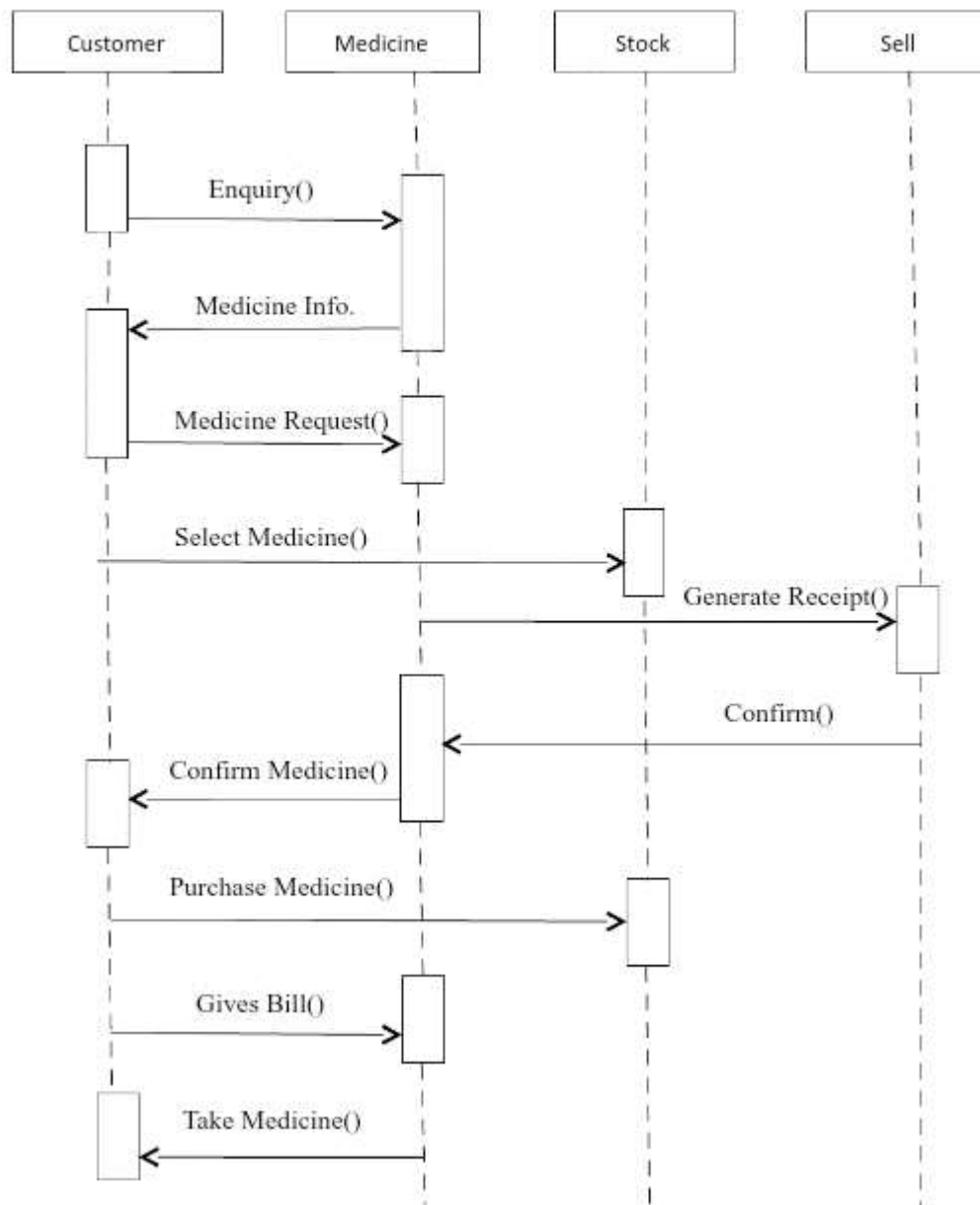


Fig.11 Sequence Diagram

## Report for Service:

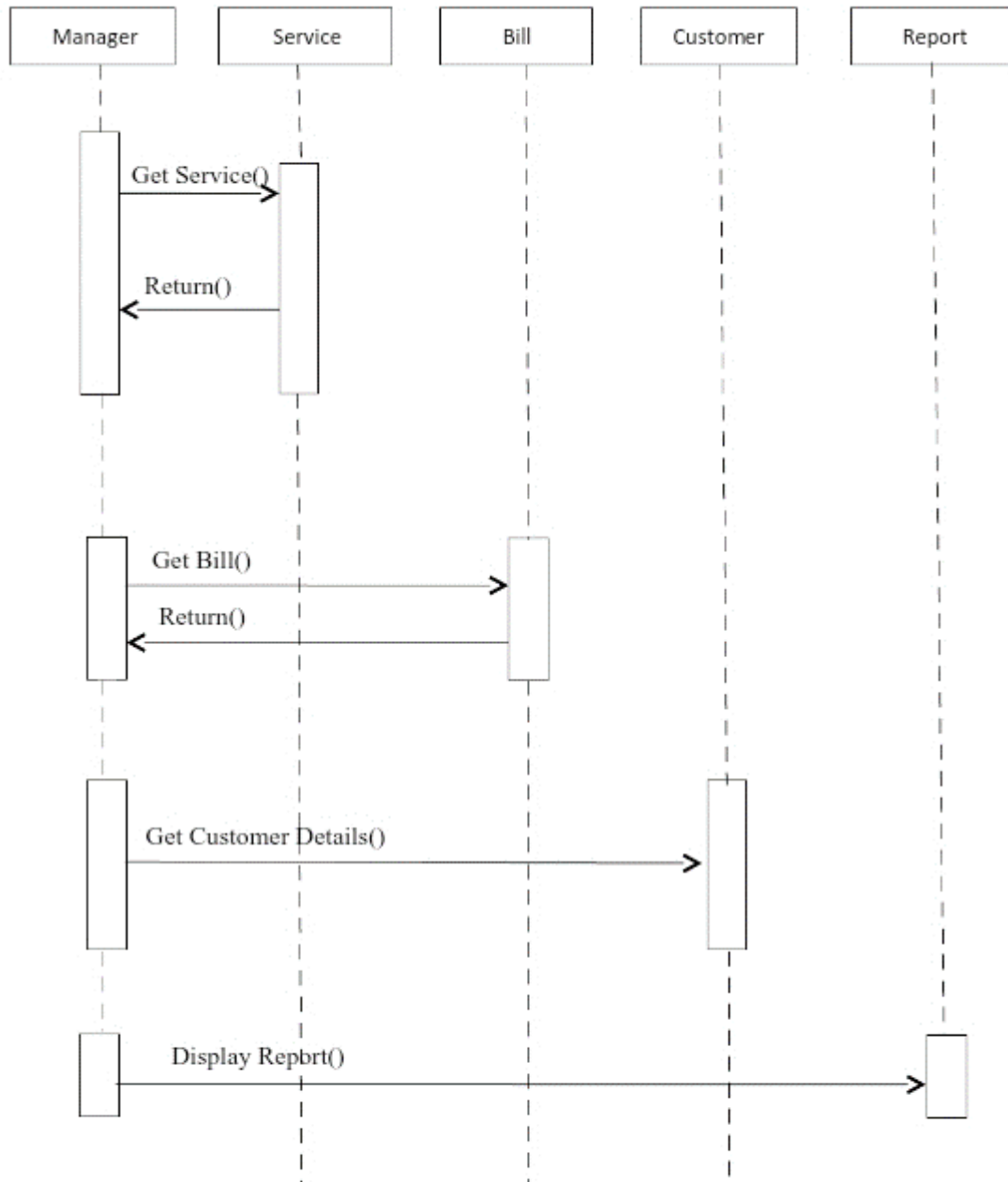


Fig.12 Sequence Diagram for Report Service

## CHAPTER-6

### RESULTS AND APPLICATIONS

#### 6.1 Source Code

```
<?php

session_start();

include("includes/db.php");
include("includes/header.php");
include("functions/functions.php");
include("includes/main.php");

?>

<!-- Cover -->
<main>
  <div class="hero">
    <a href="shop.php" class="btn1">View all products
  </a>
</div>

<!-- Main -->
<div class="wrapper">
  <h1>BEST MEDICINE AND ALL TYPES MEDICINE</h1>

</div>
```



```
<div id="content" class="container"><!-- container Starts -->
```

```
<div class="row"><!-- row Starts -->
```

```
<?php
```

```
getPro();
```

```
?>
```

```
</div><!-- row Ends -->
```

```
</div><!-- container Ends -->
```

```
<!-- FOOTER -->
```

```
<footer class="page-footer">
```

```
<div class="footer-nav">
```

```
<div class="container clearfix">
```

```
<div class="footer-nav__col footer-nav__col--info">
```

```
<div class="footer-nav__heading">Information</div>
```

```
<ul class="footer-nav__list">
```

```
<li class="footer-nav__item">
```

```
<a href="#" class="footer-nav__link">The brand</a>
```

```
</li>
```

```
<li class="footer-nav__item">
```

```
<a href="#" class="footer-nav__link">Local stores</a>
```

```
</li>
```

```
<li class="footer-nav__item">
```

```
<a href="#" class="footer-nav__link">Customer service</a>
```

```
</li>
```

```
<li class="footer-nav__item">
```

```
<a href="#" class="footer-nav__link">Privacy & cookies</a>
```

```

</li>
<li class="footer-nav__item">
  <a href="#" class="footer-nav__link">Site map</a>
</li>
</ul>
</div>

<div class="footer-nav__col footer-nav__col--whybuy">
  <div class="footer-nav__heading">Why buy from us</div>
  <ul class="footer-nav__list">
    <li class="footer-nav__item">
      <a href="#" class="footer-nav__link">Shipping & returns</a>
    </li>
    <li class="footer-nav__item">
      <a href="#" class="footer-nav__link">Secure shipping</a>
    </li>
    <li class="footer-nav__item">
      <a href="#" class="footer-nav__link">Testimonials</a>
    </li>
    <li class="footer-nav__item">
      <a href="#" class="footer-nav__link">Award winning</a>
    </li>
    <li class="footer-nav__item">
      <a href="#" class="footer-nav__link">Ethical trading</a>
    </li>
  </ul>
</div>

<div class="footer-nav__col footer-nav__col--account">
  <div class="footer-nav__heading">Your account</div>
  <ul class="footer-nav__list">
    <li class="footer-nav__item">
      <a href="#" class="footer-nav__link">Sign in</a>
    </li>

```

```
<li class="footer-nav__item">
  <a href="#" class="footer-nav__link">Register</a>
</li>
<li class="footer-nav__item">
  <a href="#" class="footer-nav__link">View cart</a>
</li>
<li class="footer-nav__item">
  <a href="#" class="footer-nav__link">View your lookbook</a>
</li>
<li class="footer-nav__item">
  <a href="#" class="footer-nav__link">Track an order</a>
</li>
<li class="footer-nav__item">
  <a href="#" class="footer-nav__link">Update information</a>
</li>
</ul>
</div>
```

```
<div class="footer-nav__col footer-nav__col--contacts">
  <div class="footer-nav__heading">Contact details</div>
  <address class="address">
    Shelar Nitin <br>
    Labade Pradip<br>
    Kakade Dinesh<br>
    Nibhore Swapnil<br>
    Indira Gandhi Polytechnic, Belwandi(Suagar)
  </address>
  <div class="phone">
    Telephone:
    <a class="phone__number" href="tel:0123456789">0123-456-789</a>
  </div>
  <div class="email">
    Email:
```

```
        <a href="mailto:support@yourwebsite.com"
class="email__addr">support@yourwebsite.com</a>
    </div>
</div>
```

```
</div>
</div>
```

```
<div class="page-footer__subline">
    <div class="container clearfix">
```

```
        <div class="copyright">
            &copy; <?php echo date("Y");?> @2022 NPD Medicia&trade;
        </div>
```

```
<div class="developer">
    Developed by<br>
```

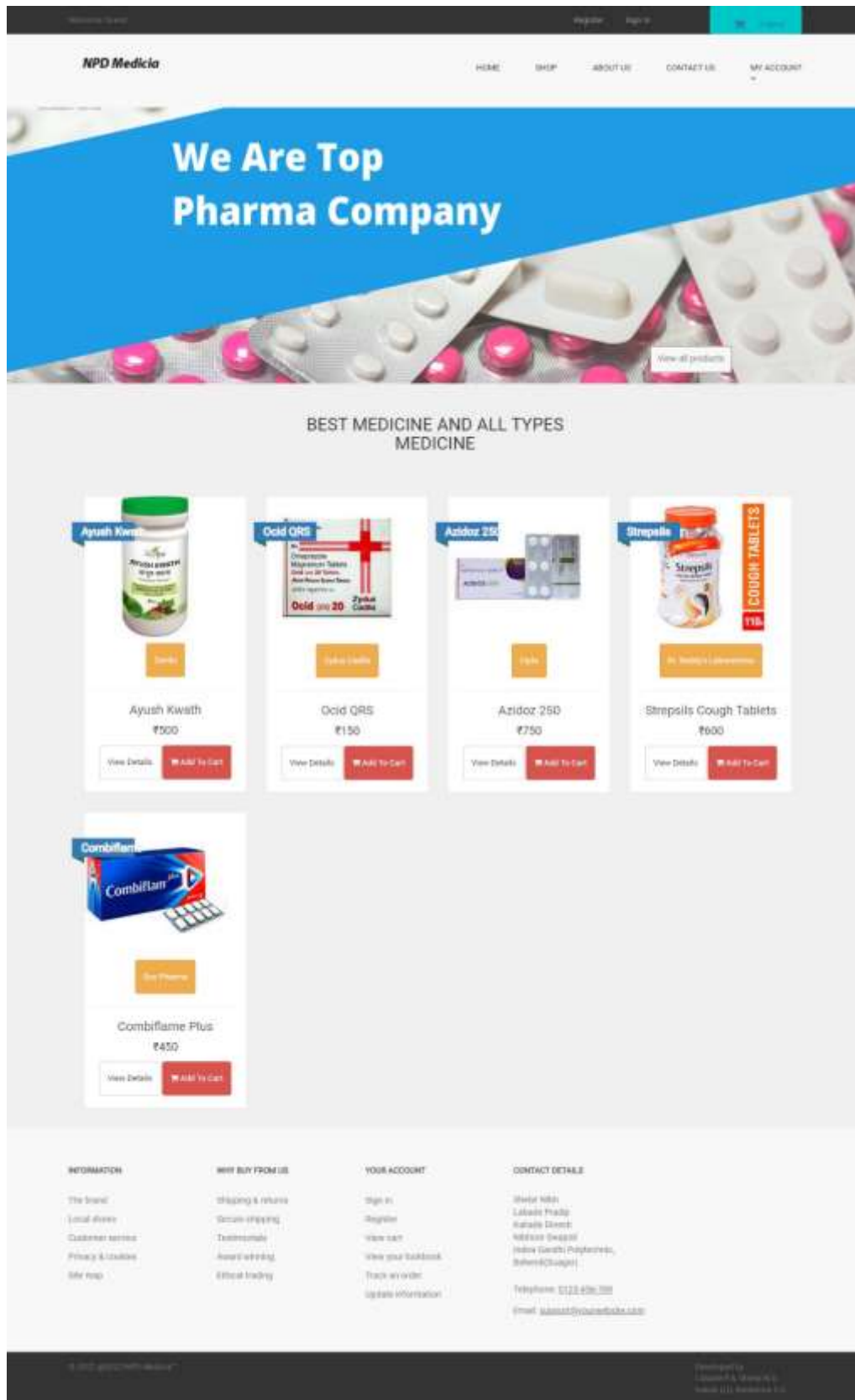
Labade.P.A, Shelar.N.D, Kakde.D.D, Nimbhore.S.S

```
</div>
</div>
</div>
</footer>
</body>
```

```
</html>
```

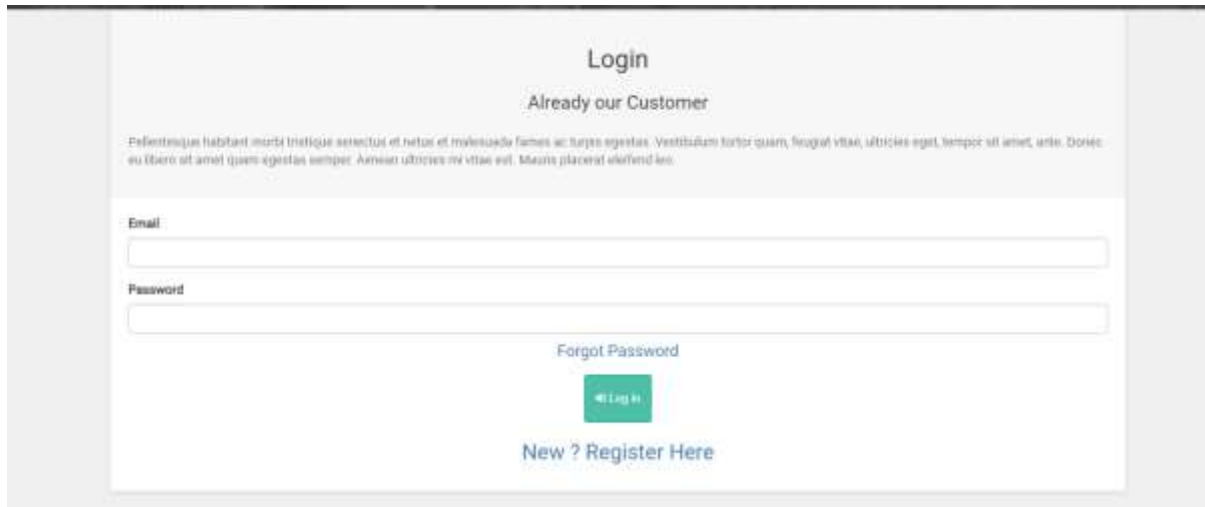
## 6.2 Output

### ➤ Home Page



Fig,13 Home Page

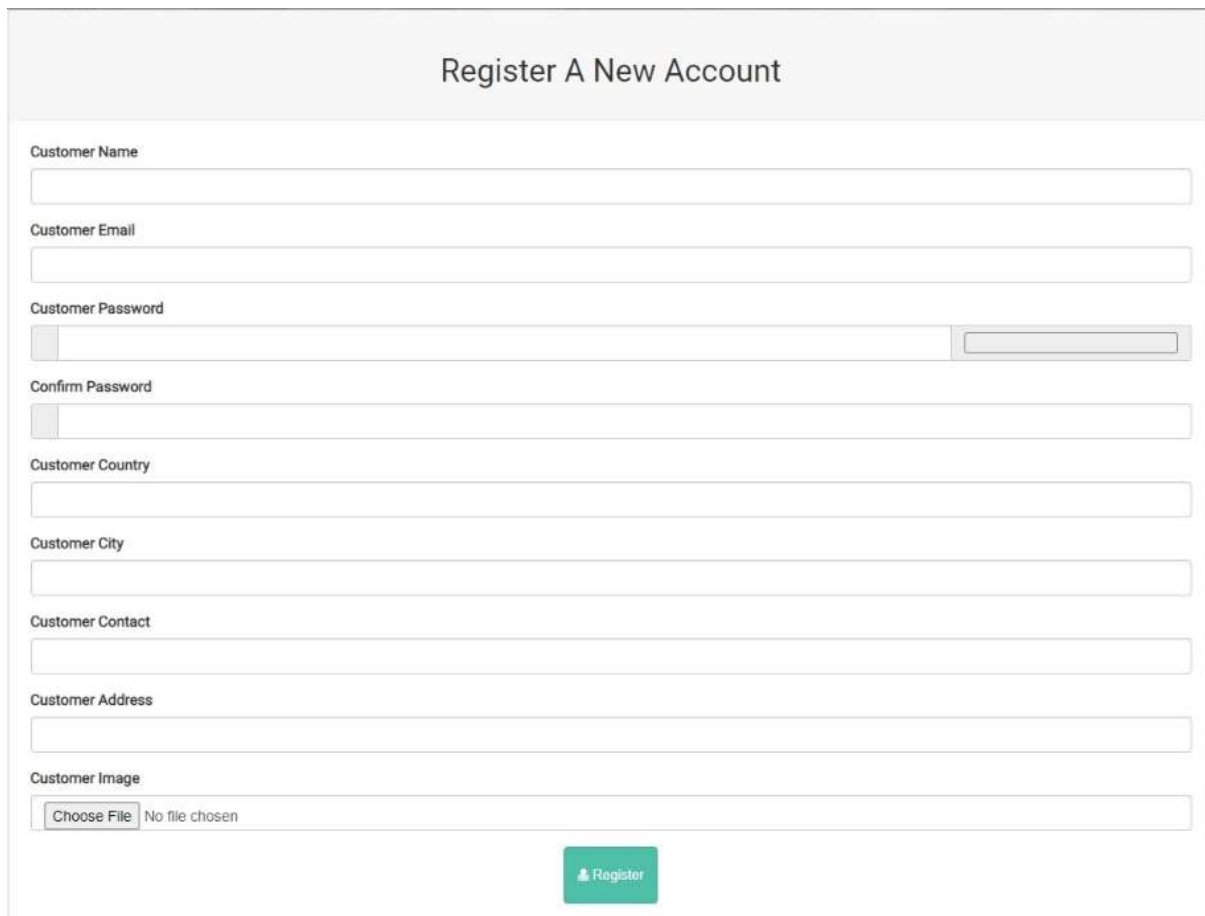
➤ Login Page



The screenshot shows a login page with a light gray background. At the top, the word "Login" is centered in a bold, dark font. Below it, the text "Already our Customer" is centered in a smaller, lighter font. A paragraph of placeholder text in Latin follows. The main form area is white and contains two input fields: "Email" and "Password". Below the "Password" field is a link that says "Forgot Password". At the bottom of the form is a green button with a white arrow pointing right and the text "Log in". Below the button is a link that says "New ? Register Here".

Fig.14 Login Page

➤ Registration Page



The screenshot shows a registration page with a light gray background. At the top, the text "Register A New Account" is centered in a bold, dark font. The main form area is white and contains several input fields: "Customer Name", "Customer Email", "Customer Password" (with a strength indicator), "Confirm Password", "Customer Country", "Customer City", "Customer Contact", "Customer Address", and "Customer Image". The "Customer Image" field has a "Choose File" button and the text "No file chosen". At the bottom of the form is a green button with a white arrow pointing up and the text "Register".

Fig.15 Registration Page

➤ Product View

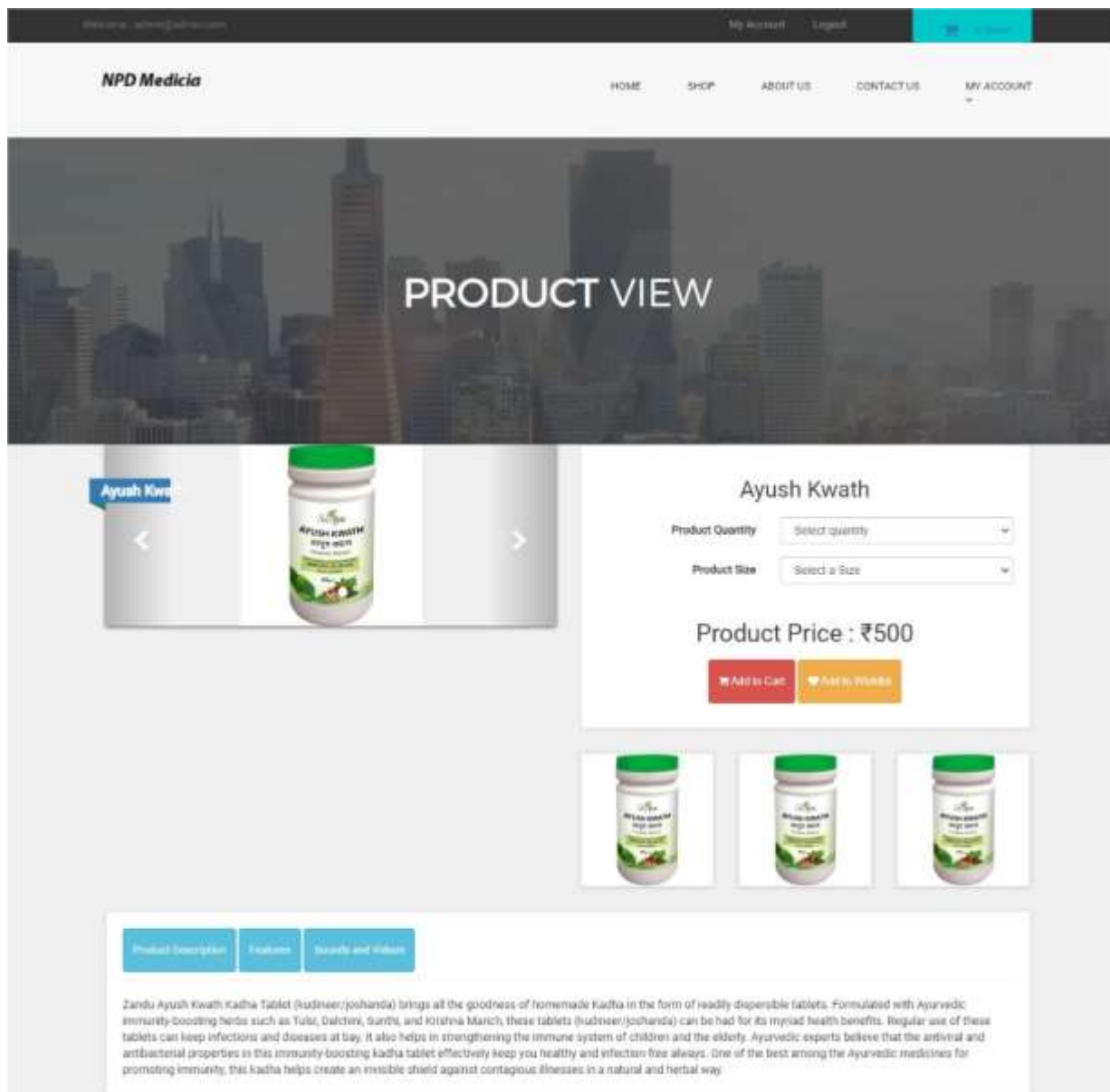


Fig.16 Product View

➤ Shop Cart

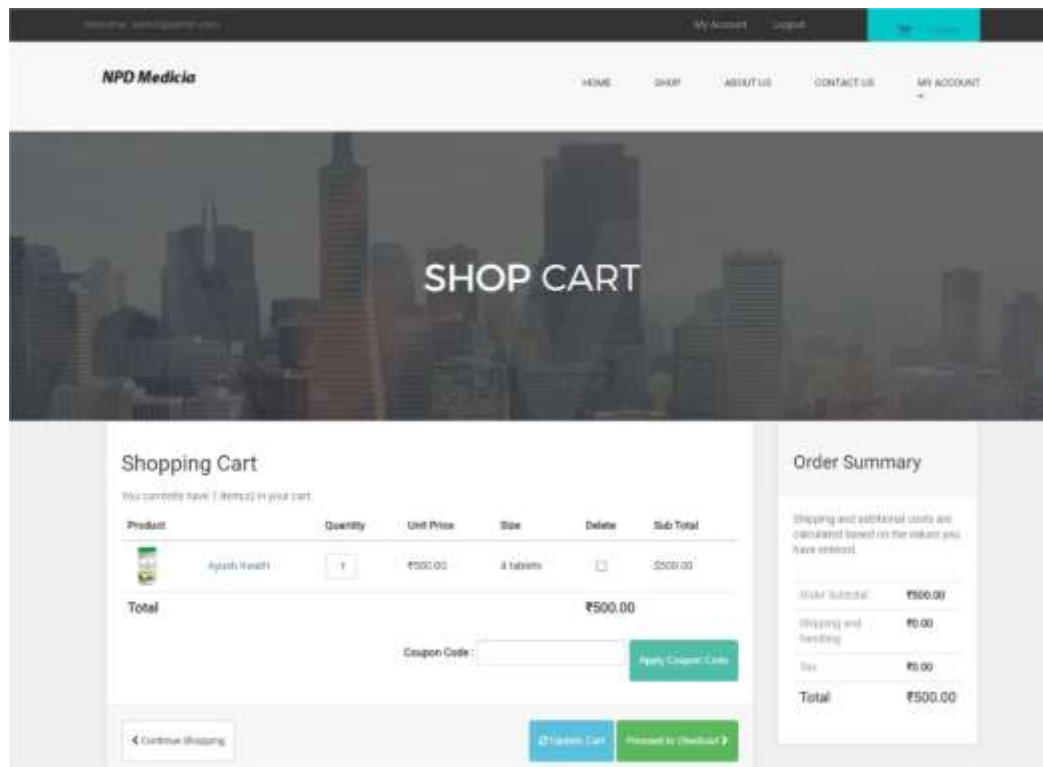


Fig.17 Shop Cart

➤ Checkout

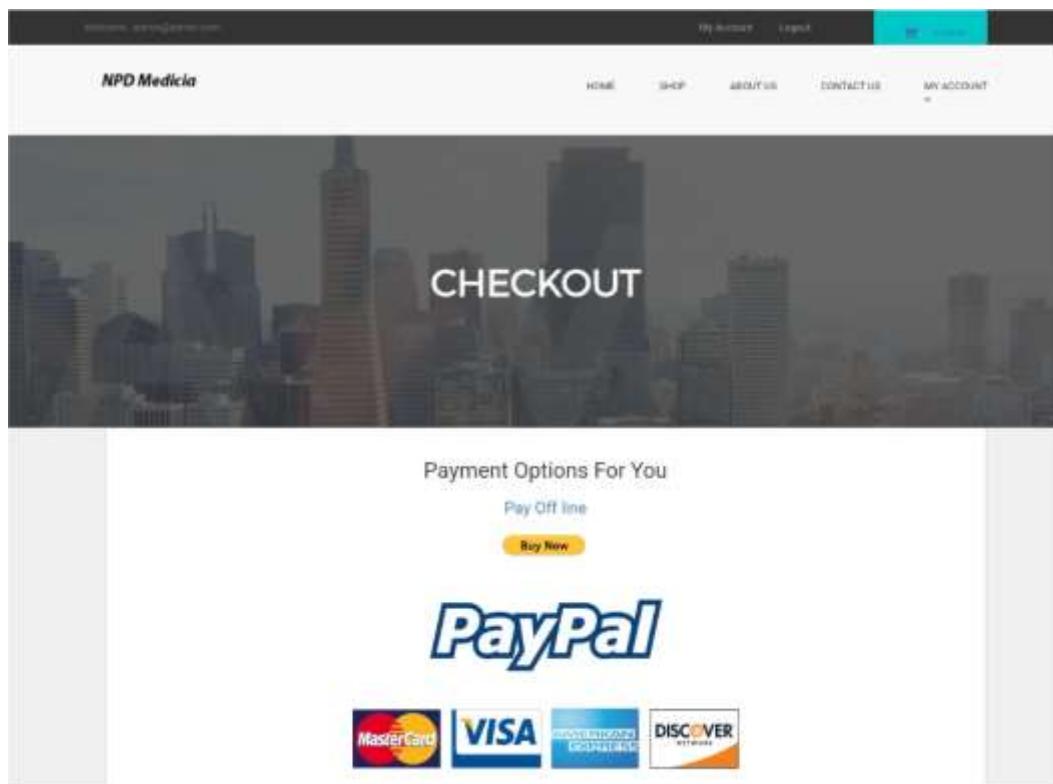


Fig.18 Checkout



## ➤ Order Page

**My Orders**  
Your orders on one place.

If you have any questions, please feel free to contact us, our customer service center is working for you 24/7.

#	Amount	Invoice	Qty	Size	Order Date	Status	Action
1	\$1500	430521587	1	4 tablets	2022-05-29	Unpaid	<a href="#">Confirm if Paid</a>

**My Orders**  
[Pay Offline](#)  
[Edit Account](#)  
[Change Password](#)  
[My WishList](#)  
[Delete Account](#)  
[Logout](#)

Fig.19 Order Page

## ➤ Payment Page

**Please Confirm Your Payment**

Invoice No:

Amount Sent:

Select Payment Mode:

Transaction/Reference Id:

Omni Code:

Payment Date:

[Confirm Payment](#)

**My Orders**  
[Pay Offline](#)  
[Edit Account](#)  
[Change Password](#)  
[My WishList](#)  
[Delete Account](#)  
[Logout](#)

Fig.20 Payment Page

## ➤ Admin Login

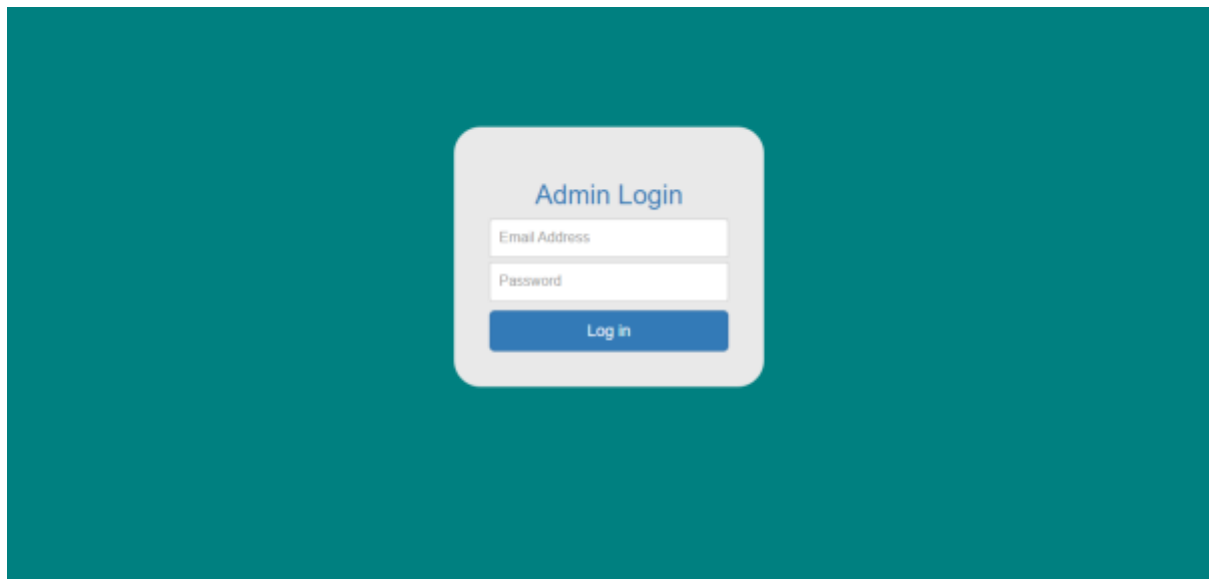


Fig.21 Administration Page

## ➤ Administration Panel

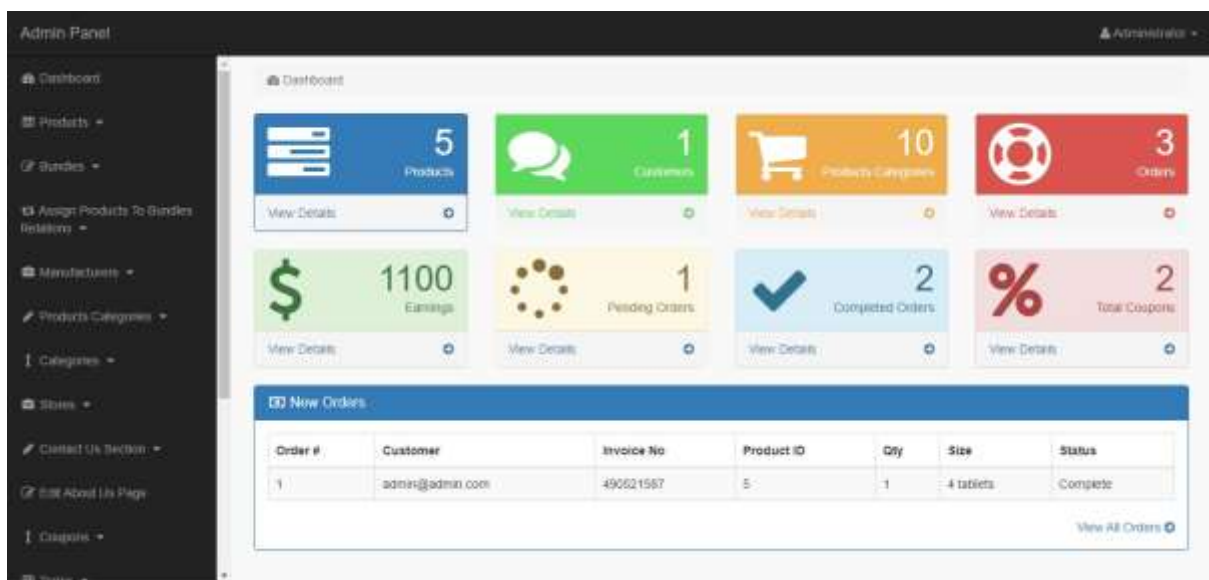


Fig.22 Administration Panel Page

## CHAPTER-7

### TESTING REPORT

➤ Test Cases for Admin Registration

Sr.no	Objective	Pre-condition	Steps	Input Data	Expected result	Actual result	Status
1.	To Check Validity Admin Registration on form	Admin registration on Page should be open	1.Click on new admin Registration. 2.Fill the proper information 3.Click on register button.	Enter the Proper and correct data in TextBox.	Show message record inserted successful.	Message is Displayed	Pass
2.	To check Validity of remove option from student menu	Login Sucessful and home page should be open	1.click on Online medical store Registration Panel	Enter the username and Password and click delete Button.	Show message record delete successfully.	Record is deleted and displays the message.	Pass

➤ Test Cases for Admin Login

Sr.no	Objective	Pre-condition	Steps	Input Data	Expected result	Actual result	Status
1.	When enter valid admin Username and Password.	Login Page should be open	1.Enter the correct Username. 2.Enter the Password. 3.Click on Login Button.	Username=admin. Password=admin.	Display message *Login Suceesful*	Displayed the message *Login Sucessful*	Pass
2.	When enter invalid admin username and Password	Login page should be open	Enter wrong username and Password	Username=admin123 And Password=admin123.	Show message *something get Wrong please check it...*	Message is Display *something get wrong please check it...*	Pass

➤ Test Cases for Purchase Order

Test case ID	Test Scenario	Pre-conditions	Test Steps	Exepected Result	Actual Result	Status
TC_1	Verify login and Password		Enter the valid Username and password successfully	Login mus be successful	Login successfully done	pass
TC_2	Create a new purchase order	Login Successful	1.Click new order in left most part of Dashboard. 2.Enter the vender account and site name . 3.Save the deatails after entering mandatory filds.	Purchase order must be successful	Purchase order creation successfully done	Pass
TC_3	Search item number	Login Successful	Enter the associated item number for vendor .	Enter the associated item number for vendor .	Item number must added sucessfully	Pass
TC_4	Save and confirm Purchase order	Login Successful	Click save button and purchase confirm order	Click save button and purchase confirm order	Purchase order must creation successfully done	Pass

➤ Test Cases for Administration Login

Sr.no	Objective	Pre-condition	Steps	Input Data	Expected result	Actual result	Status
1.	When enter valid admin Username and Password.	Login Page should be open	1.Enter the correct Username. 2.Enter the Password. 3.Click on Login Button.	Username=admin. Password=admin.	Display message *Login Sucesful*	Displayed the message *Login Sucessful*	Pass
2.	When enter invalid admin username and Password	Login page should be open	Enter wrong username and Password	Username=admin123 And Password=admin123.	Show message *something get Wrong please check it...*	Message is Display *something get wrong please check it...*	Pass

## **CHAPTER-8**

### **CONCLUSION AND FUTURE SCOPE**

#### **8.1 Conclusion**

The management system employs strict measures to protect the users from intruders or outsiders. One of such measures is the inability of a prospective user to register on the platform without the permission of the administrators. To register on the platform, all necessary details such as: name, address, tax documents, payment methods, and relevant licenses are sent to the administrator for proper verification. When the authenticity of these documents have been proven, the administrator then creates the account for the customer and forwards the details for login to the management system. Also, since the drugs purchased through the platform are for pharmaceutical purposes, and as such, are ordered in bulk, if a small quantity of drugs is ordered, the administrators are notified, who then confirms the order from the pharmacy to ensure that an intruder has not obtained their login details.

## 8.2 Future Scope

In a nutshell, it can be summarized that the future scope of the project circles around maintaining information regarding

- We can add printer in future.
- We can give more advance software for Medical Shop Management System including more facilities
- We will host the platform on online servers to make it accessible worldwide
- Integrate multiple load balancers to distribute the loads of the system
- Create the master and slave database structure to reduce the overload of the database queries
- Implement the backup mechanism for taking backup of codebase and database on regular basis on different servers.

The above mentioned points are the enhancements which can be done to increase the applicability and usage of this project. Here we can maintain the records of Customer and Medicine. Also, as it can be seen that now-a-days the players are versatile, i.e. so there is a scope for introducing a method to maintain the Medical Shop Management System. Enhancements can be done to maintain all the Customer, Medicine, Medicine Company, Medicine Stock, Sells.

We have left all the options open so that if there is any other future requirement in the system by the user for the enhancement of the system then it is possible to implement them. In the last we would like to thank all the persons involved in the development of the system directly or indirectly. We hope that the project will serve its purpose for which it is developed there by underlining success of process.



## **CHAPTER-9**

### **REFERENCE**

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