VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama", BELAGAVI – 590018

A MINI PROJECT REPORT

ON

"ANISH PHARMACY MANAGEMENT SYSTEM"

Submitted in partial fulfillment of requirements for the *course*
DBMS Laboratory with Mini Project [18CSL58] *of Fifth Semester of Bachelor of Engineering in Computer Science & Engineering during the academic year 2021-22.*

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MAHARAJA INSTITUTE OF TECHNOLOGY MYSORE

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2021 - 2022

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

This is to certify that the mini project work entitled **"ANISH PHARAMACY MANAGEMENT SYSTEM"** is a bonafide work carried out by **DHANUSH M S [4MH19CS026]** in partial fulfillment for the **DBMS Laboratory with Mini Project (18CSL58)** prescribed by the Visvesvaraya Technological University, Belagavi during the year 2021-2022 for the fifth semester B.E in Computer Science and Engineering. The mini project report has been approved as it satisfies the academic requirements.

Signature of Guide	Signature of HOD
(Prof.Pratap M S)	**(Dr.Shivamurthy R C)**
Assistant Professor, Dept. of CS&E	Professor & Head, Dept. of CS&E
MIT Mysore	MIT Mysore

Name of the Examiners	Signature with date
1……	……
2……	……

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DHANUSH MS (4MH19CS026)

ABSTRACT

The overall aim of Anish Pharmacy Management System is to automate the existing manual system by the help of computerized equipment and fully-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. The required software and hardware are easily available and easy to work with.

Anish Pharmacy Management System, as described above, can lead to error free, secure, reliable & 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 our client in better utilization of resources. The client can maintain computerized records without redundant entries. That means that one need not be distracted by information that is not relevant, while being able to reach the information.

The main objective of this system is it tracks all the information and details of the pharamacy. We have developed all type of CRUD (Create, Read, Update and Delete) operations. This is a role-based system where admin can perform each and every operation on data.

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CHAPTER 1

INTRODUCTION

1.1 Aim of the project

To produce software which manage the activities done in Anish Pharmacy. To maintain the stock details. To store large amount of data in the database which will reduce clumsiness. To reduce paper work; so that users can spend more time on monitoring the store.

1.2 Overview of the project

This Project will have different modules. The login section will have login facility for the admin who will operate this system.

While taking orders from its customers, it will take all the details of its customers who is placing the orders such as its name, mobile number, address will be taken and a unique customer id will be given for each customer.

The admin will also have all the details about the medicines such as name, quantity, price along with a unique product id for each medicine.

The admin can manipulate the data through admin login page and add any new consignment if required. The admin can manage the customers and products by using functions such as update and delete.

1.3 Outcome of the project

A normal working Anish Pharmacy managing website, which is ready to use and accessed by the admin.

1.4 Software requirements

- Apache Server 2.0
- PHP Version 5.3 or above
- MySQL Version 5.5 or above
- Latest browser: Chrome
- Operating System: Windows
- HTML
- Visual Studio Code

CHAPTER 2

DESIGN

2.1 Schema Diagram

The design of the database is called a schema. This tells us about the structural view of the database. It gives us an overall description of the database. A database schema defines how the data is organized using the schema diagram. A schema diagram is a diagram which contains entities and the attributes that will define that schema. A schema diagram only shows us the database design. It does not show the actual data of the database

CUSTOMER

id	Customer_name	Age	gender	Contact_ Number	Emaid_id	Address	Doctors_ Name

LOGIN

id	username	password

MEDICINE

id	M_name	G_name	packing	supplier

SUPPLIER

id	Supplier_Name	Phone_Number	Email_address	Address

Fig 2.1 Schema Diagram

2.2 Entity Relationship Diagram

ER-Diagram is a pictorial representation of data that describes how data is communicated and related to each other. Any object, such as entities, attributes of an entity, sets of relationship, and other attributes of relationship, can be characterized with the help of the ER diagram

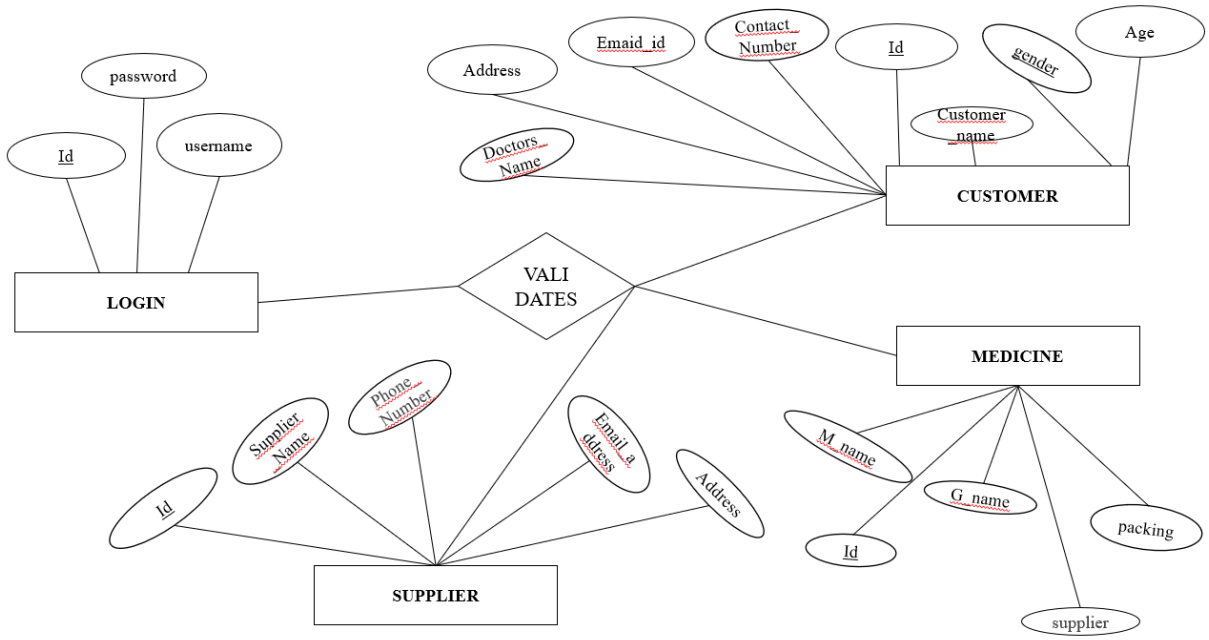


Fig 2.2 Entity Relationship Diagram

2.3 Use Case Diagram

A use case diagram is used to represent the dynamic behavior of a system. It encapsulates the system's functionality by incorporating use cases, actors, and their relationships. It models the tasks, services, and functions required by a system/subsystem of an application. It depicts the high-level functionality of a system and also tells how the user handles a system.

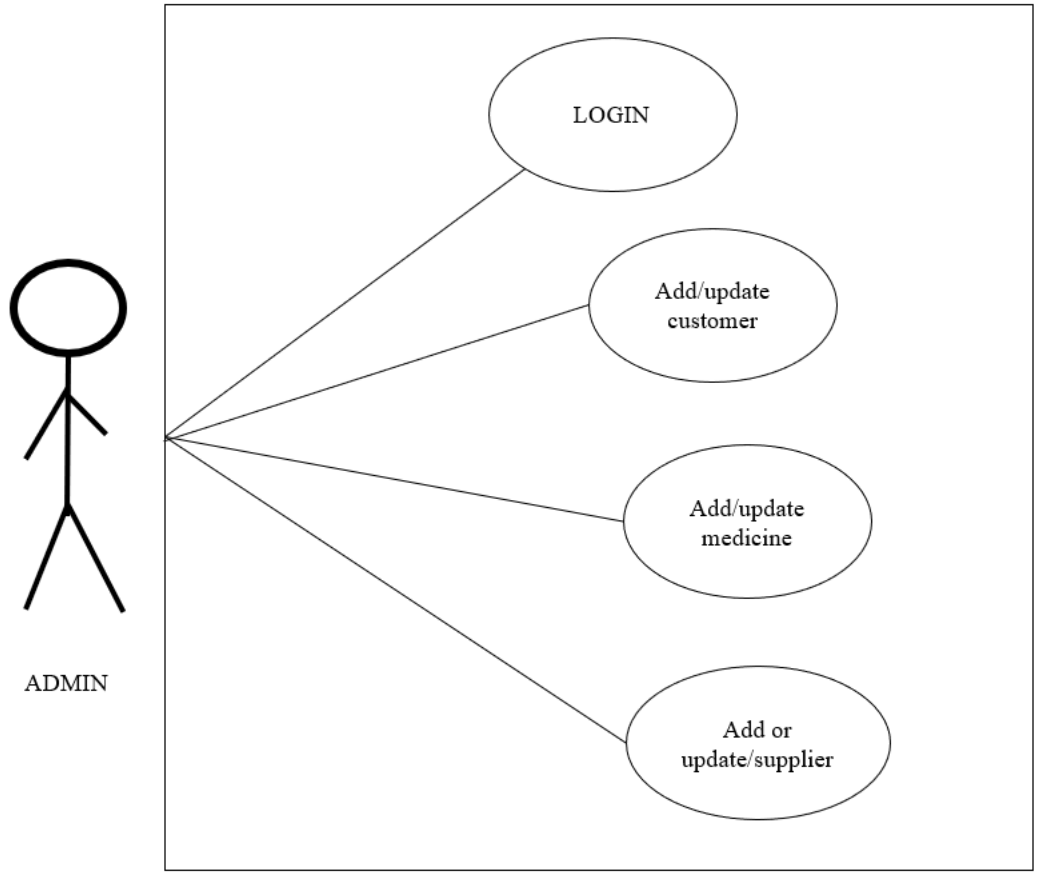


Fig 2.3 Use case diagram

2.4 Data Flow Diagram

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It can be manual, automated, or a combination of both. It shows how data enters and leaves the system, what changes the information, and where data is stored. The objective of a DFD is to show the scope and boundaries of a system as a whole. It may be used as a communication tool between a system analyst and any person who plays a part in the order that acts as a starting point for redesigning a system. The DFD is also called as a data flow graph or bubble chart.

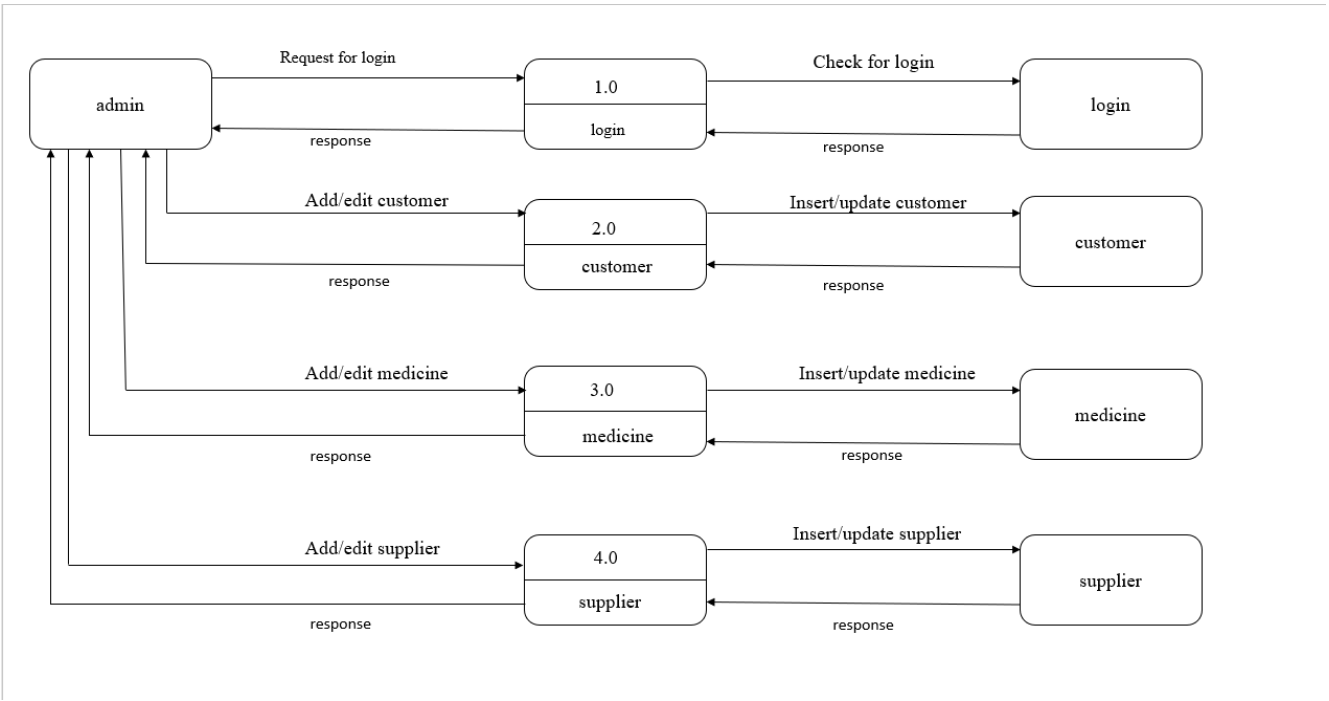
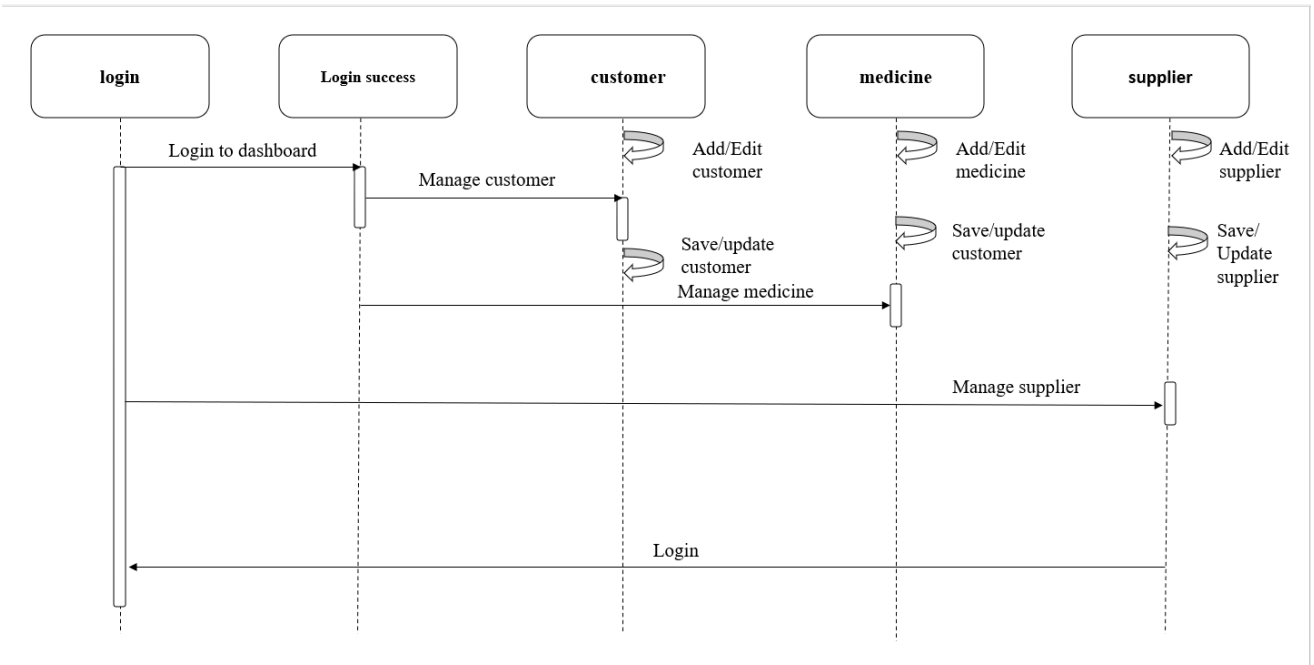


Fig 2.4 Data Flow Diagram

2.5 Sequence Diagram

Sequence Diagrams are interaction diagrams that detail how operations are carried out. They capture the interaction between objects in the context of collaboration. Sequence Diagrams are time focus and they show the order of the interaction visually by using the vertical axis of the diagram to represent time what messages are sent and when.



CHAPTER 3

IMPLEMENTATION

3.1 Description of Tables

3.1.1 login

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	username	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
3	password	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More

Fig 3.1 login

3.1.2 customer

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	Customer_name	varchar(40)	utf8mb4_general_ci		No	None			Change Drop More
3	Age	int(11)			No	None			Change Drop More
4	gender	enum('male', 'female', 'others', '')	utf8mb4_general_ci		No	None			Change Drop More
5	Contact_Number	bigint(10)			No	None			Change Drop More
6	Emaid_id	varchar(20)	utf8mb4_general_ci		No	None			Change Drop More
7	Address	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
8	Doctors_Name	varchar(10)	utf8mb4_general_ci		No	None			Change Drop More

Fig 3.1.2 customer

3.1.3 medicine

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	M_name	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
3	G_name	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
4	packing	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
5	supplier	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More

Fig 3.1.3 medicine

3.1.4 supplier

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	Supplier_Name	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
3	Phone_Number	bigint(10)			No	None			Change Drop More
4	Email_address	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
5	Address	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More

Fig 3.1.4 supplier

3.2 Constraints on Tables

i. In table login,id is a primary key and is auto incremented.

ii. In table customer,id is primary key and is auto incremented.

iii. In table medicine,id is a primary key and is auto incremented.

iv. In table supplier,id is a primary key and is auto incremented.

3.3 Back End Implementations

```
-- phpMyAdmin SQL Dump
-- version 5.1.1
-- https://www.phpmyadmin.net/
--
-- Host: 127.0.0.1
-- Generation Time: Feb 11, 2022 at 06:24 AM
-- Server version: 10.4.22-MariaDB
-- PHP Version: 8.1.0

SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
START TRANSACTION;
SET time_zone = "+00:00";


/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT
*/;
/*!40101 SET
@OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
/*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION
*/;
/*!40101 SET NAMES utf8mb4 */;
```

```
--
-- Database: `pharmacy`
--

-- --------------------------------------------------------

--
-- Table structure for table `customer`
--

CREATE TABLE `customer` (
  `id` int(11) NOT NULL,
  `Customer_name` varchar(40) NOT NULL,
  `Age` int(11) NOT NULL,
  `gender` enum('male','female','others','') NOT NULL,
  `Contact_Number` bigint(10) NOT NULL,
  `Emaid_id` varchar(20) NOT NULL,
  `Address` varchar(100) NOT NULL,
  `Doctors_Name` varchar(10) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

--
-- Dumping data for table `customer`
--

INSERT INTO `customer` (`id`, `Customer_name`, `Age`, `gender`, `Contact_Number`,
`Emaid_id`, `Address`, `Doctors_Name`) VALUES
(26, 'dhanush ms', 21, 'male', 9741116664, 'dhanushmsms@gmail.co', 'hbmn', 'dhanush'),
(27, 'Gagana D', 21, 'female', 8431438954, 'gaganagowda6812@gmai', '#4504/10,7th cross,
St Mary&#039;s Road , N.R. Mohalla', 'dhanush');

-- --------------------------------------------------------

--
-- Table structure for table `login`
--

CREATE TABLE `login` (
  `id` int(11) NOT NULL,
  `username` varchar(50) NOT NULL,
  `password` varchar(50) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

--
-- Dumping data for table `login`
--

INSERT INTO `login` (`id`, `username`, `password`) VALUES
(1, 'admin', 'admin');

-- --------------------------------------------------------
```

```
--
-- Table structure for table `medicine`
--

CREATE TABLE `medicine` (
  `id` int(11) NOT NULL,
  `M_name` varchar(50) NOT NULL,
  `G_name` varchar(50) NOT NULL,
  `packing` varchar(50) NOT NULL,
  `supplier` varchar(50) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

--
-- Dumping data for table `medicine`
--

INSERT INTO `medicine` (`id`, `M_name`, `G_name`, `packing`, `supplier`) VALUES
(7, 'azelic', 'gastric', '10', 'guna');

-- --------------------------------------------------------

--
-- Table structure for table `supplier`
--

CREATE TABLE `supplier` (
  `id` int(11) NOT NULL,
  `Supplier_Name` varchar(50) NOT NULL,
  `Phone_Number` bigint(10) NOT NULL,
  `Email_address` varchar(50) NOT NULL,
  `Address` varchar(100) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

--
-- Dumping data for table `supplier`
--

INSERT INTO `supplier` (`id`, `Supplier_Name`, `Phone_Number`, `Email_address`,
`Address`) VALUES
(9, 'dhanush', 9741116664, 'dhanushcoursera1@gmail.com', '#213 4th 4th main 7th cross
subhash nagar'),
(10, 'khushi', 12345678, 'dhanushmsms@gmail.com', 'cfhgjkl'),
(11, 'dhanush ms', 9741116664, 'dhanushmsms@gmail.com', 'hbmn');

--
-- Indexes for dumped tables
--

--
-- Indexes for table `customer`
--
ALTER TABLE `customer`
```

```
  ADD PRIMARY KEY (`id`);

--
-- Indexes for table `login`
--
ALTER TABLE `login`
  ADD PRIMARY KEY (`id`);

--
-- Indexes for table `medicine`
--
ALTER TABLE `medicine`
  ADD PRIMARY KEY (`id`);

--
-- Indexes for table `supplier`
--
ALTER TABLE `supplier`
  ADD PRIMARY KEY (`id`);

--
-- AUTO_INCREMENT for dumped tables
--

--
-- AUTO_INCREMENT for table `customer`
--
ALTER TABLE `customer`
  MODIFY `id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=29;

--
-- AUTO_INCREMENT for table `login`
--
ALTER TABLE `login`
  MODIFY `id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=2;

--
-- AUTO_INCREMENT for table `medicine`
--
ALTER TABLE `medicine`
  MODIFY `id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=8;

--
-- AUTO_INCREMENT for table `supplier`
--
ALTER TABLE `supplier`
  MODIFY `id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=12;
COMMIT;

/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;
```

3.4 Front End Implementations

3.4.1 LOGIN

```
<?php
//Get values passe from form in login. php file
$username = $_POST['user' ];
$password = $_POST['pass'];

// to prevent mysql injection
$username = stripcslashes ($username);
$password = stripcslashes ($password);

session_start();

$_SESSION['varname'] = $username;

if ($username == "admin" && $password="admin") {
      header("Location:
http://localhost/dbms%20me/New%20folder%20(2)/dashboard.html");
}
else {
// cannect to the server and select database
$db = mysqli_connect("localhost", "root", "","pharmacy");

// Query the database for user
$result = mysqli_query($db,"select * from login where username = '$username' and password
= '$password'")
      or die("Failed to query database ");
$row = mysqli_fetch_array($result);
if ($row['username']==$username && $row['password']==$password){
echo "Login success!!! Welcome ". $row['username'];
header("Location:http://localhost/dbms%20me/New%20folder%20(2)/dashboard.html");
}
```

```
else
{
      echo "please try again";
}
}
?>
```

3.4.2 ADD CUSTOMER

```
<?php
        $Name = $_POST['Name'];
        $Age = $_POST['Age'];
        $Gender = $_POST['Gender'];
        $Phonenumber = $_POST['Phonenumber'];
        $emailaddress = $_POST['emailaddress'];
   $Address = $_POST['Address'];
   $doctorsname = $_POST['doctorsname'];
        // Database connection
        $conn = new mysqli('localhost','root','','pharmacy');
        if($conn->connect_error){
                echo "$conn->connect_error";
                die("Connection Failed : ". $conn->connect_error);
        } else {
                $stmt = $conn->prepare("insert into customer
(Customer_name,Age,gender,Contact_Number,Emaid_id,Address,Doctors_Name ) values(?,
?, ?, ?, ?, ?, ?)");
                $stmt-
>bind_param("sisisss",$Name,$Age,$Gender,$Phonenumber,$emailaddress,$Address,$docto
rsname);
                $execval = $stmt->execute();
                echo $execval;
                echo "Registration successfully...";
                $stmt->close();
                $conn->close();
        }
?>
```

3.4.3 UPDATE

```
<?php
include('database.php');
if(isset($_GET['edit'])){

   $id= $_GET['edit'];
  $editData= edit_data($connection, $id);
}

if(isset($_POST['update']) && isset($_GET['edit'])){
  $id= $_GET['edit'];
    update_data($connection,$id);
 }
function edit_data($connection, $id)
{
 $query= "SELECT * FROM customer WHERE id= $id";
 $exec = mysqli_query($connection, $query);
 $row= mysqli_fetch_assoc($exec);
 return $row;
}
// update data query
function update_data($connection, $id){

    $Customer_name= legal_input($_POST['Customer_name']);
      $Age= legal_input($_POST['Age']);
      $gender = legal_input($_POST['gender']);
      $Contact_Number = legal_input($_POST['Contact_Number']);
      $Emaid_id = legal_input($_POST['Emaid_id']);
      $Address = legal_input($_POST['Address']);
      $Doctors_Name = legal_input($_POST['Doctors_Name']);

      $query="UPDATE  customer
```

```
        SET Customer_name ='$Customer_name',
            Age ='$Age',
            gender = '$gender',
            Contact_Number = '$Contact_Number',
            Emaid_id = '$Emaid_id',
            Address = '$Address',
            Doctors_Name ='$Doctors_Name' WHERE id=$id";

    $exec= mysqli_query($connection,$query);

    if($exec){
      header('location:usertable.php');

    }else{
      $msg= "Error: " . $query . "<br>" . mysqli_error($connection);
      echo $msg;
    }
}

// convert illegal input to legal input
function legal_input($value) {
  $value = trim($value);
  $value = stripslashes($value);
  $value = htmlspecialchars($value);
  return $value;
}
?>
```

3.4.4 DELETE

```
<?php
include("database.php");
if(isset($_GET['delete'])){

   $id= $_GET['delete'];
  delete_data($connection, $id);
```

```
}

// delete data query
function delete_data($connection, $id){

   $query="DELETE from customer WHERE id=$id";
   $exec= mysqli_query($connection,$query);

   if($exec){
     header('location:usertable.php');
   }else{
      $msg= "Error: " . $query . "<br>" . mysqli_error($connection);
     echo $msg;
   }
}
?>
```

3.4.5 READ

```
<?php
include('database.php');
$fetchData= fetch_data($connection);

// fetch query
function fetch_data($connection){
  $query="SELECT * from customer ORDER BY id DESC";
  $exec=mysqli_query($connection, $query);
  if(mysqli_num_rows($exec)>0){

    $row= mysqli_fetch_all($exec, MYSQLI_ASSOC);
    return $row;

  }else{
    return $row=[];
  }
}
```

```
?>
```

3.4.6 ADD MEDICINE

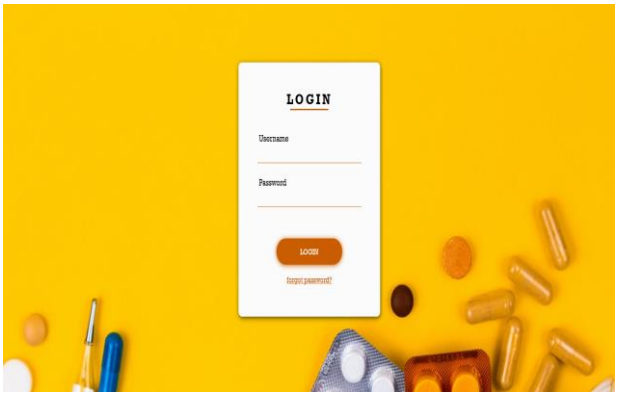
```
<?php
        $MedicineName = $_POST['MedicineName'];
        $GenericName = $_POST['GenericName'];
        $Packing = $_POST['Packing'];
        $Supplier = $_POST['Supplier'];
        // Database connection
        $conn = new mysqli('localhost','root','','pharmacy');
        if($conn->connect_error){
                echo "$conn->connect_error";
                die("Connection Failed : ". $conn->connect_error);
        } else {
                $stmt = $conn->prepare("insert into medicine
(M_name,G_name,packing,supplier) values(?, ?, ?, ?)");
                $stmt-
>bind_param("ssis",$MedicineName,$GenericName,$Packing,$Supplier);
                $execval = $stmt->execute();
                echo $execval;
                echo "Registration successfully...";
                $stmt->close();
                $conn->close();
        }
?>
```

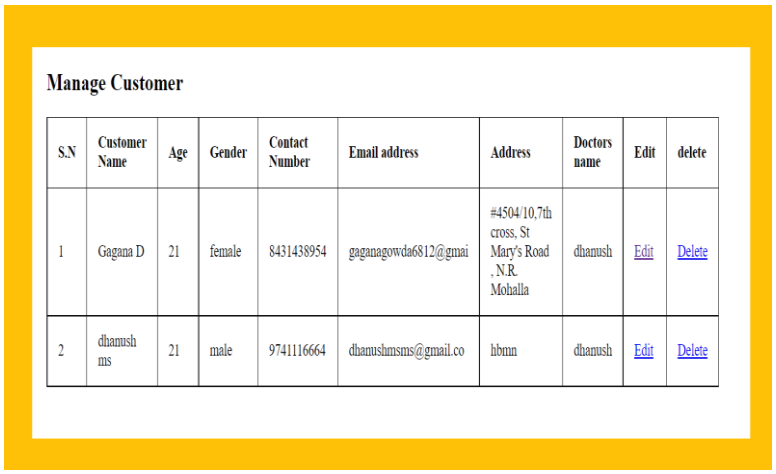
3.4.7 ADD SUPPLIER

```
<?php
	$name = $_POST['name'];
	$ph_no = $_POST['ph_no'];
	$email = $_POST['email'];
	$Address = $_POST['Address'];
	// Database connection
	$conn = new mysqli('localhost','root','', 'pharmacy');
	if($conn->connect_error){
		echo "$conn->connect_error";
		die("Connection Failed : ". $conn->connect_error);
	} else {
		$stmt = $conn->prepare("insert into supplier
(Supplier_Name,Phone_Number,Email_address,Address) values(?, ?, ?, ?)");
		$stmt->bind_param("siss",$name,$ph_no,$email,$Address );
		$execval = $stmt->execute();
		echo $execval;
		echo "Registration successfully...";
		$stmt->close();
		$conn->close();
	}
?>
```

CHAPTER 4

4.1 RESULT ANALYIS



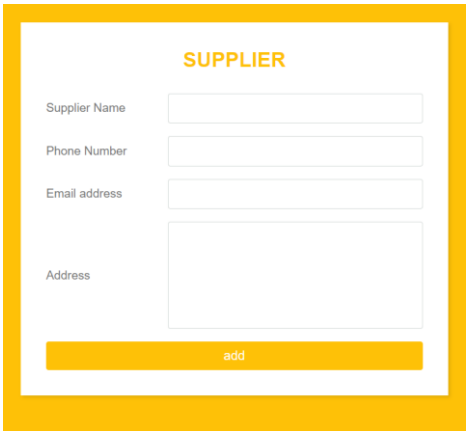


Manage Customer

S.N	Customer Name	Age	Gender	Contact Number	Email address	Address	Doctors name	Edit	delete
1	Gagana D	21	female	8431438954	gaganagowda6812@gmai	#4504/10,7th cross, St Mary's Road , N.R. Mohalla	dhanush	Edit	Delete
2	dhanushms	21	male	9741116664	dhanushmsms@gmail.co	hbmn	dhanush	Edit	Delete

Manage Medcine

S.N	Medcine Name	Generic Number	Packing	Supplier	Edit	delete
1	azelic	gastric	10	guna	Edit	Delete



Manage Medcine

Manage Supplier

S.N	Supplier Name	Phone Number	Email address	Address	Edit	Delete
1	dhanush ms	9741116664	dhanushmsms@gmail.com	hbmn	Edit	Delete
2	khushi	12345678	dhanushmsms@gmail.com	cfhgjkl	Edit	Delete
3	dhanush	9741116664	dhanushcoursera1@gmail.com	#213 4th 4th main 7th cross subhash nagar	Edit	Delete

4.2 Discussion

♣ Welcome Page

Here the admin is welcomed and navigated to admin login page

♣ Admin Login Page

Here if the visitor is an admin, then by using his login credentials he can login to Dashboard page.

♣ Dashboard Page

After authentication of Admin, he can perform CRUD OPERATIONS (create/update/view/delete) on modules such as Customer, Medicine and Supplier and enjoy the facilities of an admin

4.3 Testing

Test Case ID	Test Case	Expected Output	Actual Output	Status
TC1	Login with wrong username and wrong password	Invalid username or password	As expected	Pass
TC2	Login with correct username and wrong password	Invalid username or password	As expected	Pass
TC3	Login with wrong username and correct password	Invalid username or password	As expected	Pass
TC4	Login with correct username and correct password	Redirected to Dashboard page	As expected	Pass

Table 4.3 Test Cases

Chapter 05

CONCLUSION AND FUTURE WORK

5.1 Conclusion

Client was facing difficulties while fetching details of the pharmacy. But by using this proposed system, client will be able to view the details of the customers, medicines and supplier in the store even for months/years.

5.2 Future Work

In future days, I thought to improve this project by adding more functionality like Creating, managing and printing invoice. And also, to show details of customers, supplier, medicines with which it would be helpful for the admin to generate bills, maintain the details and know about sales.

Chapter 06

REFERENCES

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