DAWAPHARMA - A PHARMACY MANAGER

A MINI PROJECT REPORT

Submitted by

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Under the guidance of

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in

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With specialization in INFORMATION TECHNOLOGY

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COLLEGE OF ENGINEERING AND TECHNOLOGY

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

KATTANKULATHUR - 603203

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COLLEGE OF ENGINEERING & TECHNOLOGY
SRM INSTITUTE OF SCIENCE & TECHNOLOGY
S.R.M. NAGAR, KATTANKULATHUR – 603 203

BONAFIDE CERTIFICATE

Certified that this project report "Dawapharma - A Pharmacy Manager" is the bonafide work of **'AditiMishra (RA2011031010041), RiyaSingh(RA2011031010044) & VaniKumar (RA2011031010065)"**of III Year/VI Sem B.tech(CSE) who carried out the mini project work under my supervision for the course 18CSC303J- Database Management systems in SRM Institute of Science and Technology during the academic year 2022-2023(Even sem).

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ABSTRACT

The main aim of the project is the management of the database of the pharmaceutical shop. This project is insight into the design and implementation of a Pharmacy Management System. This isdone by creating a database of the available medicines in the shop. The primary aim of pharmacymanagement system is to improve accuracy and enhance safety and efficiency in the pharmaceutical store. The aim of this project is to develop software for the effective managementof a pharmaceutical store. We have developed this software for ensuring effective policing by providing statistics of the drugs in stock.The aim of the project is to create an effective software to help the pharmacist to maintain the records of the medicines, handle user details, generate invoice, check and renew validity and provide a scope of communication between users by usinginbuilt messaging system. Pharmacy management system deals with the maintenance of drugs and consumables in the pharmacy unit. This pharmacy management system is user friendly.

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CHAPTER-1

1.1 INTRODUCTION

- A pharmacy management software is any system usedin a pharmacy that helps automate the pharmacy workflow. This includes such tasks as reviewing physician orders and preparing medications, controlling the inventory and makingdrug orders, handling billing and insurance, providing counseling, identifying incompatibilities, and more — all while following legal protocols and compliances.
- The main aim of the project is the management of the database of thepharmaceutical shop. This project is insight into the design andimplementation of a Pharmacy Management System. This is done by creating a database of the available medicines in the shop. The primary aim of pharmacy management system is to improve accuracy and enhance safety and efficiency in the pharmaceutical store. The aim of this project is to develop software for the effective management of a pharmaceutical store. We have developed thissoftware for ensuring effective policing by providing statistics of thedrugs in stock.

1.1 PROBLEM STATEMENT

The aim of the project is to create an effective software to help the pharmacist to maintain the records of the medicines, handle user details, generate invoice, check and renew validity and provide a scope of communication between users by using inbuilt messaging system. Pharmacy management system deals with the maintenance of drugs and consumables in the pharmacy unit. This pharmacy management systemis user friendly.

1.2 OBJECTIVES

Primary objective

•To gain practical experience by modeling a software based on real worldproblem.

•To understand how to work on Front-end (Java) and Back-end (MySQL)by using server(wamp).

Secondary objective

•To develop an application that deals with the day to day requirement ofany pharmacy.

•To develop the easy management of the medicines (drugs).

•To handle the inventory details like sales details, purchase details andstock expiry and quantity.

•To provide competitive advantage to the pharmacy.

•To provide details information about the stock on details necessary andhelp locate it in shop easily.

•To make the stock manageable and simplify the use of inventory in thepharmacy

1.3 SCOPE AND APPLICATION

Detailed information gathering has to be done. Without that the purpose for using the software won't be satisfied properly.

However, it can give good profits in the long run.

- Implementing the software requires change in the business practices.
- Efficient organization of all knowledge is the analysis company and easy analysis access and retrieval of information is possible.
- In this project we can also include BAR CODE facility using the bar code reader, which will detect the expiry date and the other information about the related medicines.
- Company using this software will always be able to plan in future and always be aware of their financial position in the market.
- It leads to ease in functioning of business processes.
- The project can be made more robust by including biometric verification.
- There is also a scope to expand by implementing newer technologies like cloud etcetera.

1.4 General and Unique Services in the Database Application

A) The software used can generate reports, as per the user's requirements.

B) The software can print invoices, bills, receipts etc. It can alsomaintain the record of supplies sent in by the supplier.

C) This software works on multiple languages.

1.5 Software Requirements Specification

- Windows/ MacOS/ Linux operating system.
- JRE and JDK.
- MySQL server (WAMP or XAMPP or any)

CHAPTER-2

2.1 EXISTING SYSTEM

A pharmacy was always more than just a place to get your prescription. Patients treated pharmacists as consultants, someone to help them choose an over-the-counter medicine or make sense of a prescription's dosage and instructions. Alwayshappy to oblige, they rarely had enough information about a person's medical history, allergies, or treatment plans to give more complete advice. This, however, is changing. The healthcare industry is experiencing transformations and pharmacies are no exception. A **pharmacy management software** is any system used in a pharmacy that helps automate the pharmacy workflow. This includes such tasks as reviewing physician orders and preparing medications, controlling the inventory and making drug orders, handling billing and insurance, providing counseling, identifying incompatibilities, and more — all while following legal protocols and compliances.And these are just the traditional functions that can be automated. Many more features can give the pharmacy a competitive edge by providing better customer experience and attract patients with more personalized and engaging service.

2.2 Comparison of Existing vs Proposed system

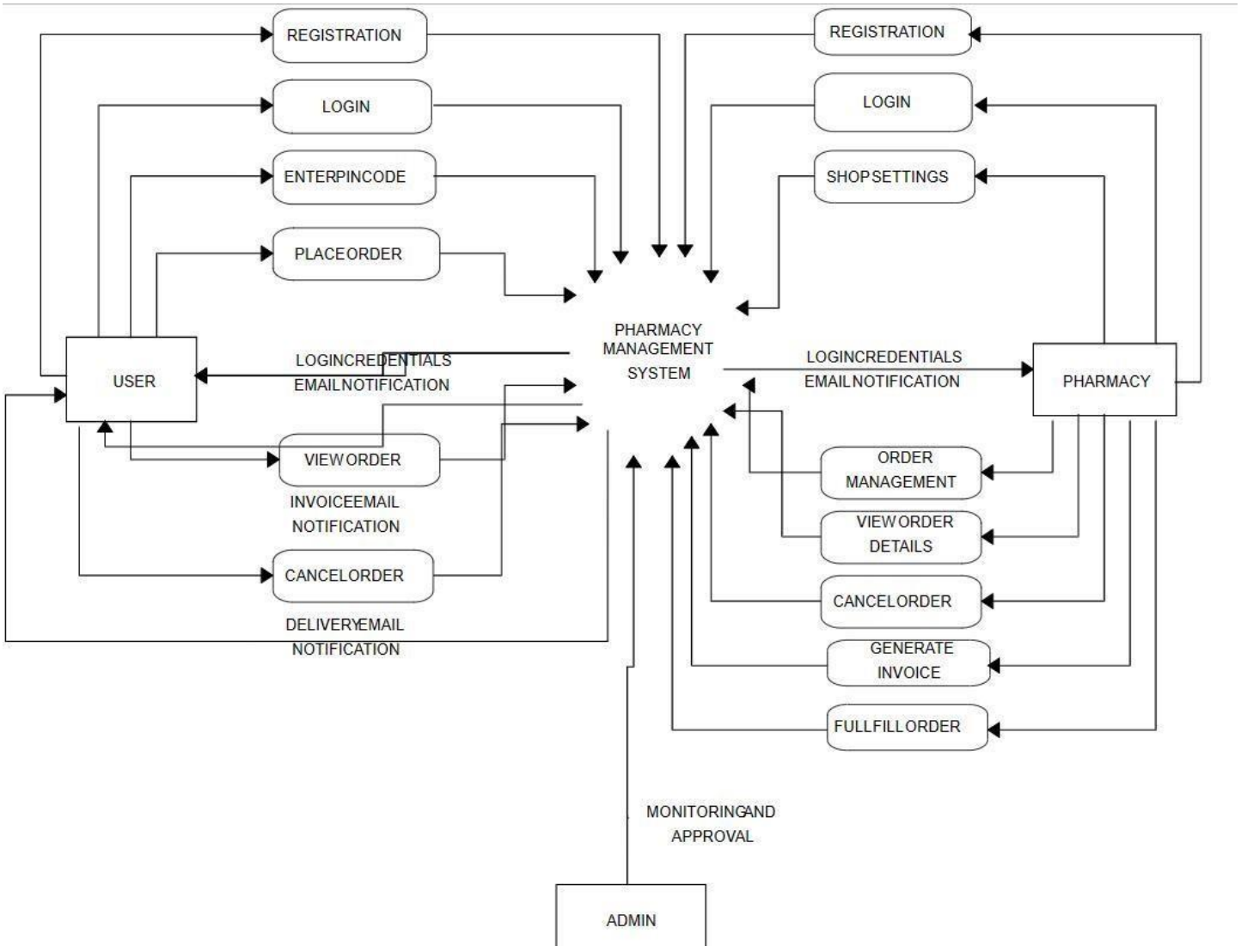
A) The software used can generate reports, as per the user's requirements. It includes all the details about medicine whicha user might need.

B) The software can print invoices, bills, receipts etc. It can alsomaintain the record of supplies sent in by the supplier. Since billsand invoices are an important proof of authenticity, its use is vital

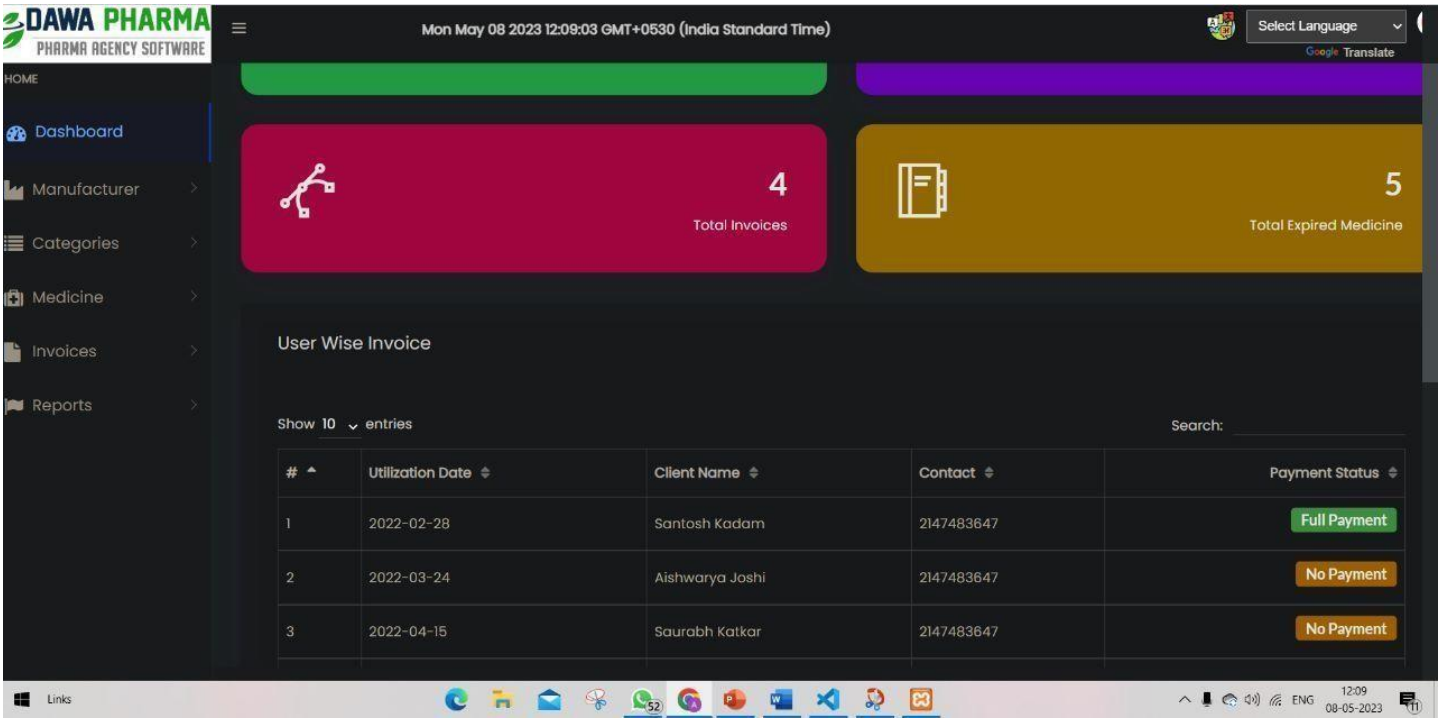
C) This software works on multiple languages. Usually applications are a single language website. It makes the application limited. But our application is multiple language based making it comfortable for all users

CHAPTER-3

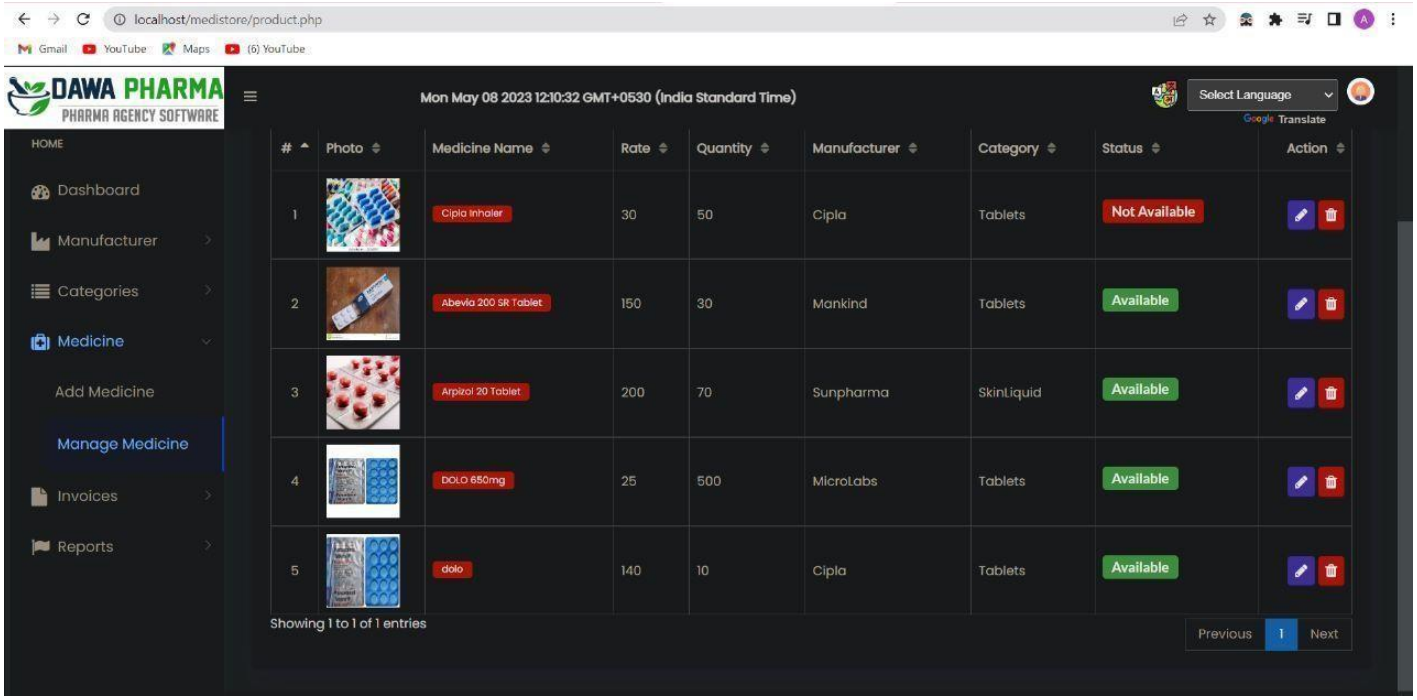
3.1 Architecture Diagram

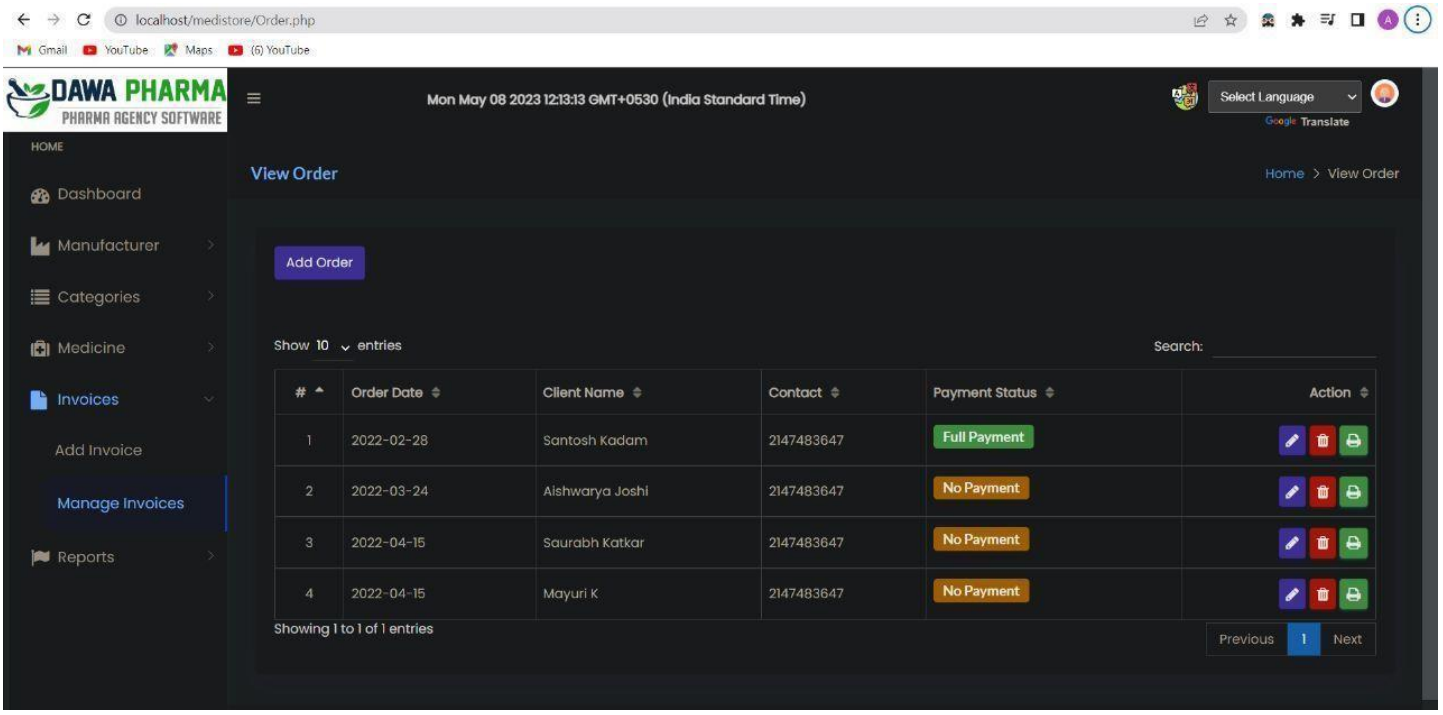


3.1.1 FRONT END UI DESIGN



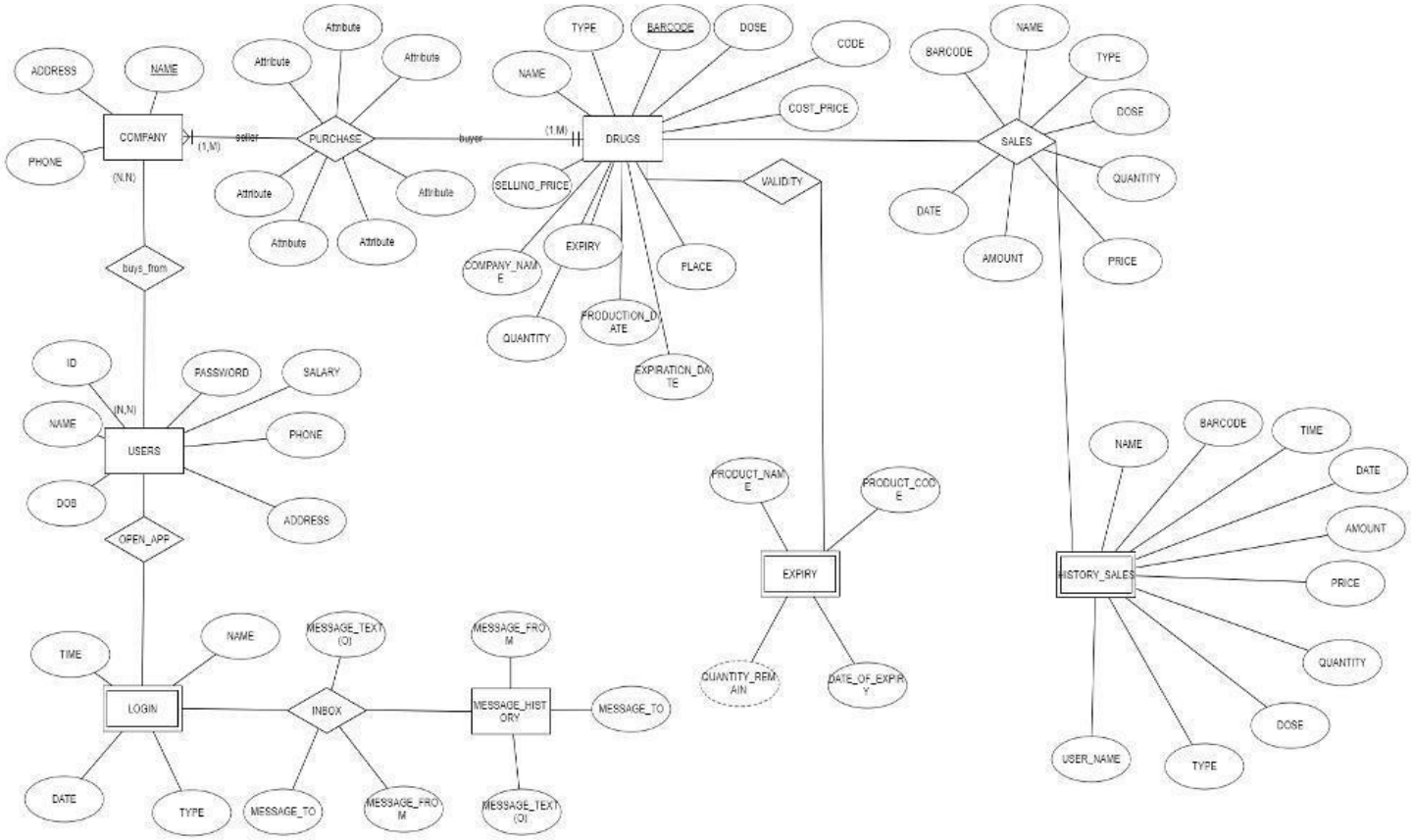
3.1.2 BACK END DESIGN



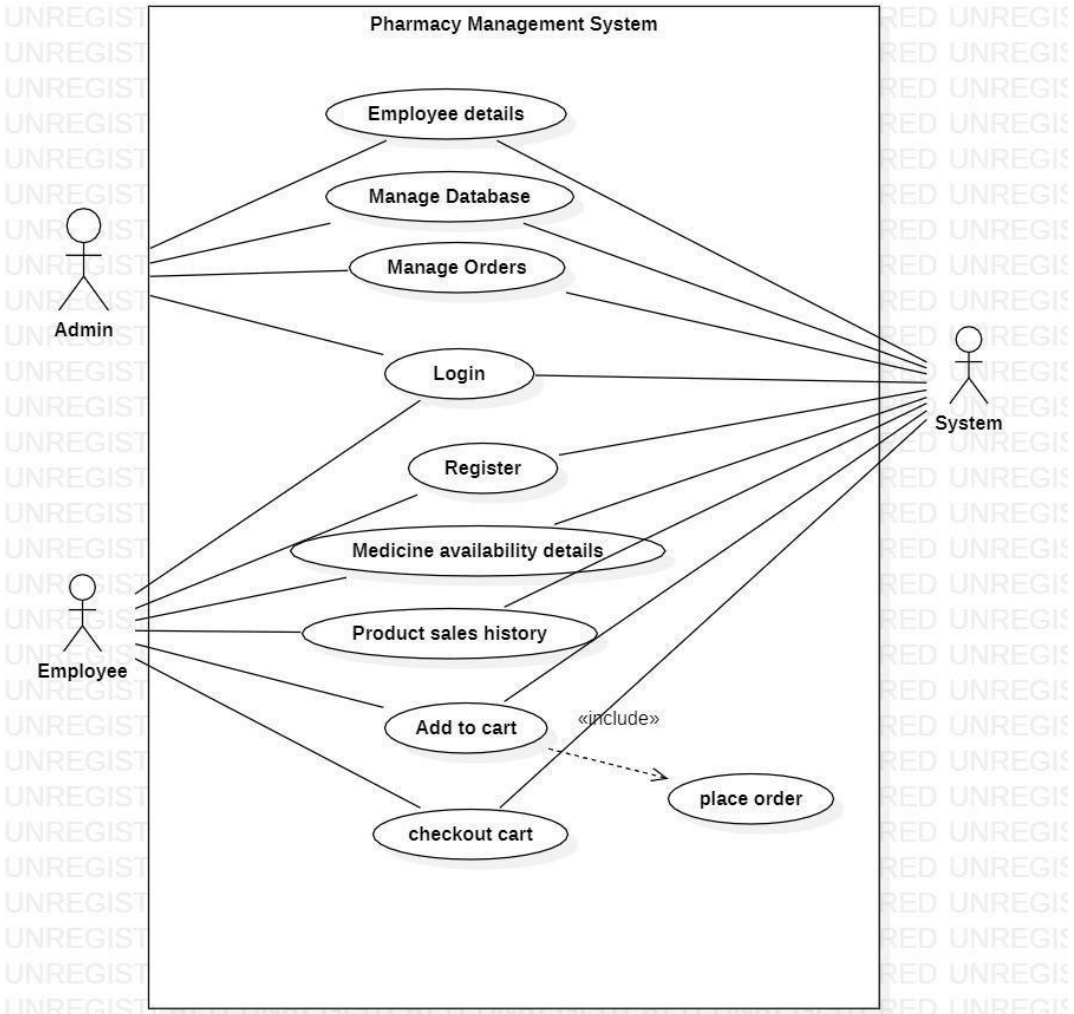

localhost/medistore/Order.php
Gmail
YouTube
Maps
(6) YouTube
DAWA PHARMA
PHARMA AGENCY SOFTWARE
Mon May 08 2023 12:13:13 GMT+0530 (India Standard Time)
Select Language
Google Translate
HOME
Dashboard
Manufacturer
Categories
Medicine
Invoices
Add Invoice
Manage Invoices
Reports
View Order
Home > View Order
Add Order
Show 10 entries
Search:
Order Date Client Name Contact Payment Status Action
1 2022-02-28 Santosh Kadam 2147483647 Full Payment
2 2022-03-24 Aishwarya Joshi 2147483647 No Payment
3 2022-04-15 Saurabh Katkar 2147483647 No Payment
4 2022-04-15 Mayuri K 2147483647 No Payment
Showing 1 to 1 of 1 entries
Previous 1 Next

3.2 ER DIAGRAM AND USE CASE DIAGRAM

ER DIAGRAM



USE CASE DIAGRAM



UNREGISTERED UNREGISTERED UNREGISTERED UNREGISTERED

4. MODULES AND FUNCTIONALITIES

MODULE 1: Admin login

Authentication of the user will be there.

Username and password will be matched from our database. Once both username and password matches, then only a user is allowed to enter into the system.

Similarly for admin there will be a authentication system

MODULE 2: Sign up

For new users there will be sign up option

Various details like registration number , username , password etc.will be taken from the user and then it will be updated in our database.

After this , the user will be redirected to the login page.

MODULE 3: Admin Panel

After successful login admin can keep track of the books issuedIt can also track

various other details such as

Availability of medicines.

Stock present of the respective medicines.

Place order for the medicines which are out of stock.And also check

for the expiry dates of medicines.

MODULE 4: Sales

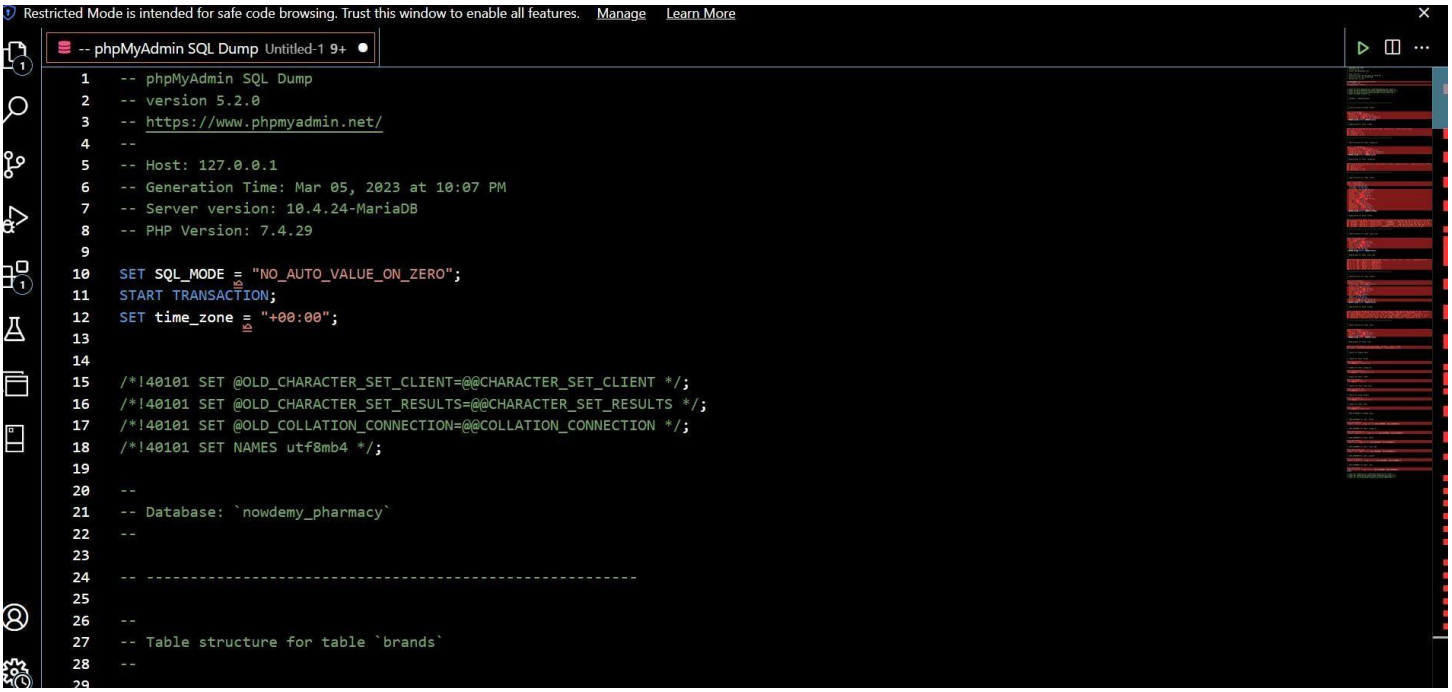
Admin will have full history about the medicine's sales. Admin can check the

product sale for every week or month.

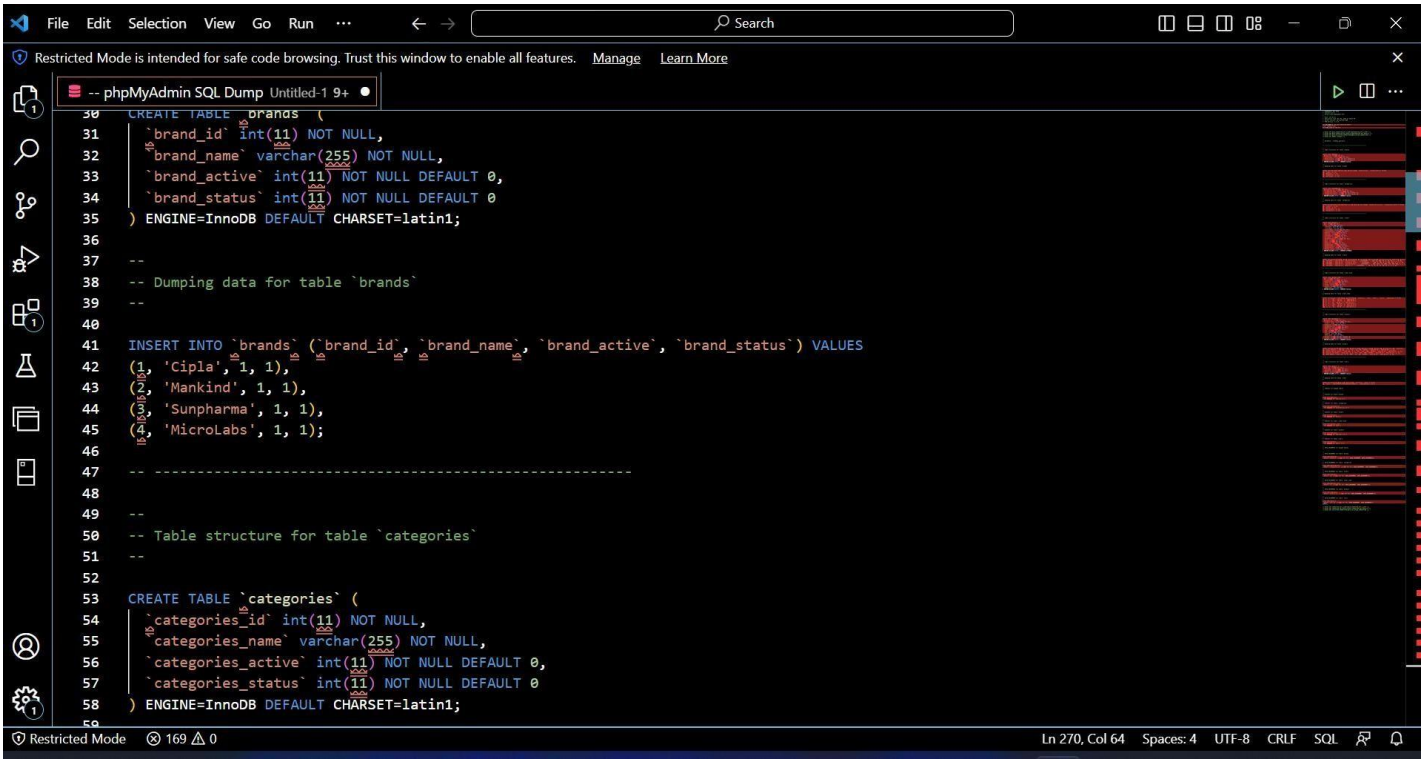
Admin will have full access and can search for the medicinesbelonging to their respective treatment.

CHAPTER-5

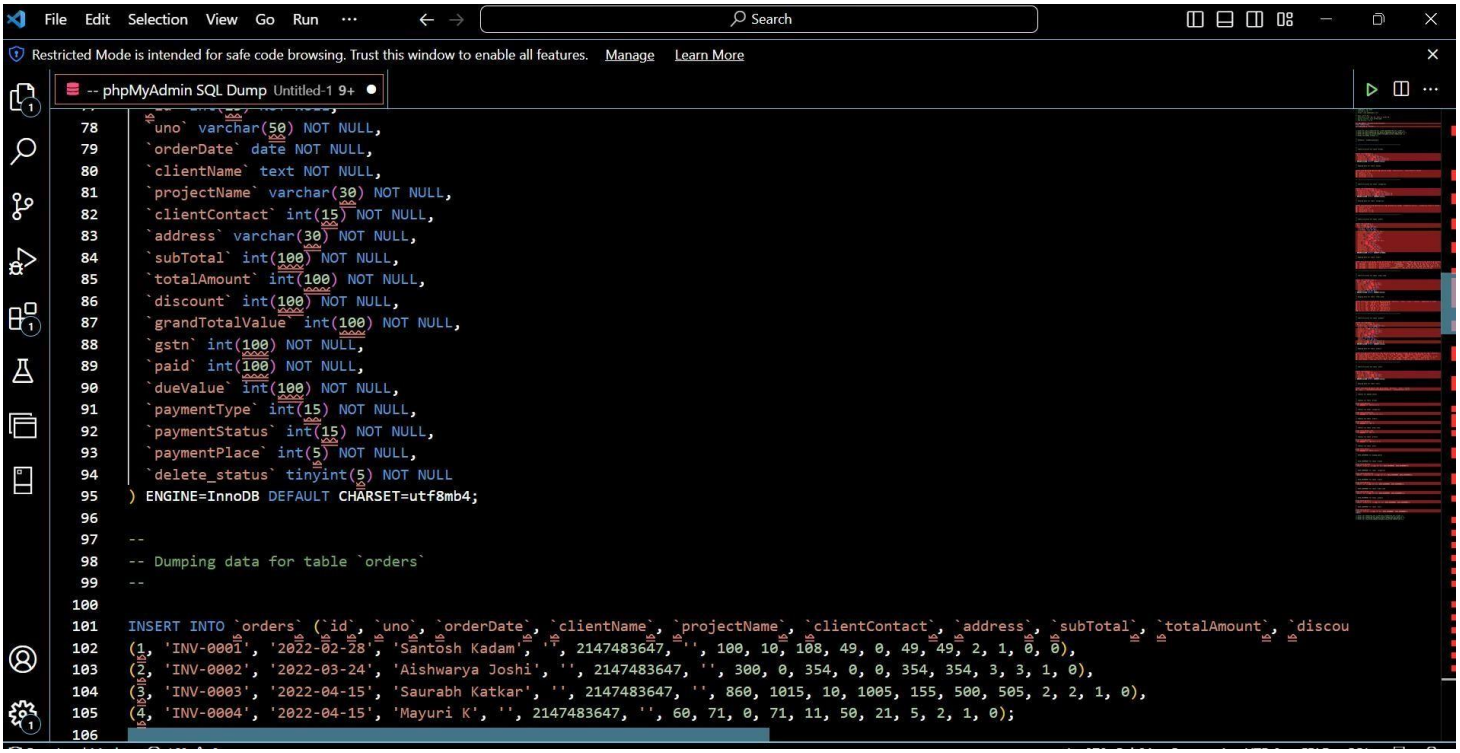
5. CODING & TESTING



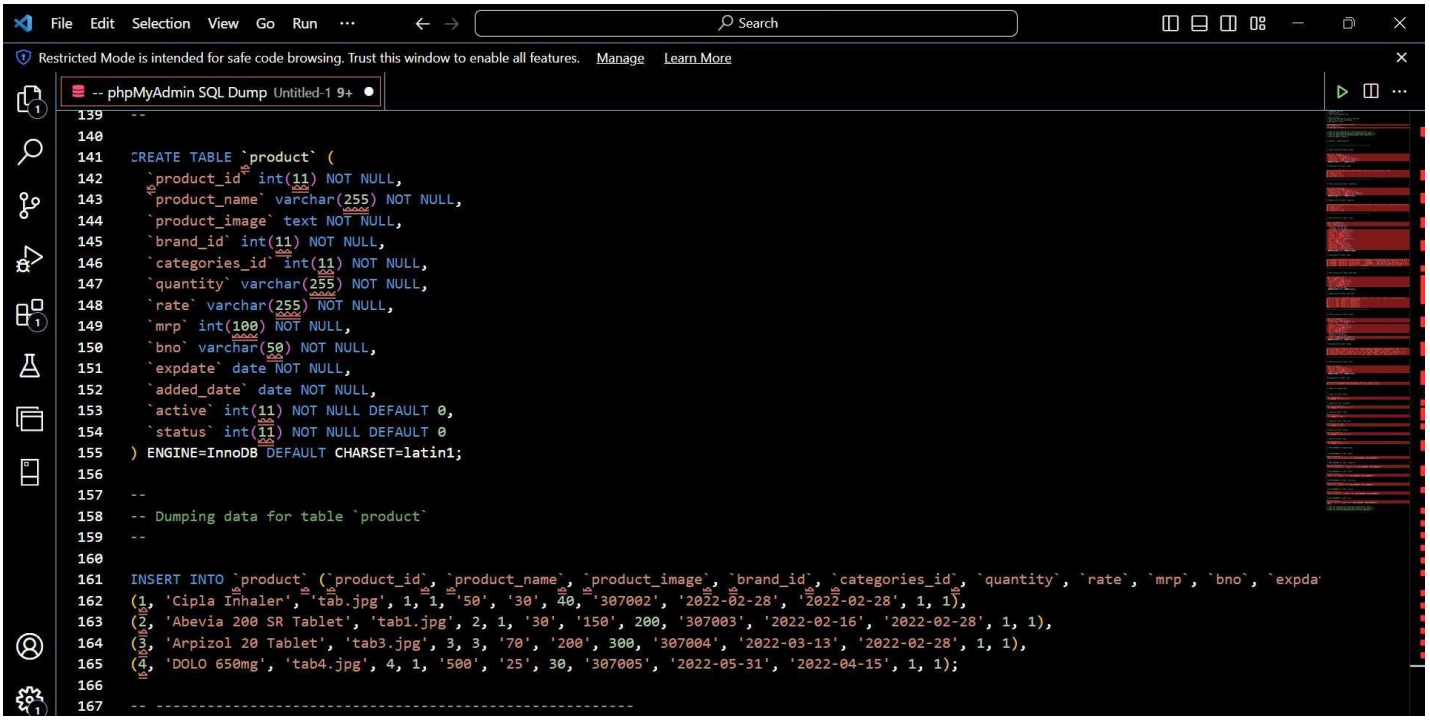
```sql
-- phpMyAdmin SQL Dump
-- version 5.2.0
-- https://www.phpmyadmin.net/
--
-- Host: 127.0.0.1
-- Generation Time: Mar 05, 2023 at 10:07 PM
-- Server version: 10.4.24-MariaDB
-- PHP Version: 7.4.29

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: `nowdemy_pharmacy`
--

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

--
-- Table structure for table `brands`
--
```



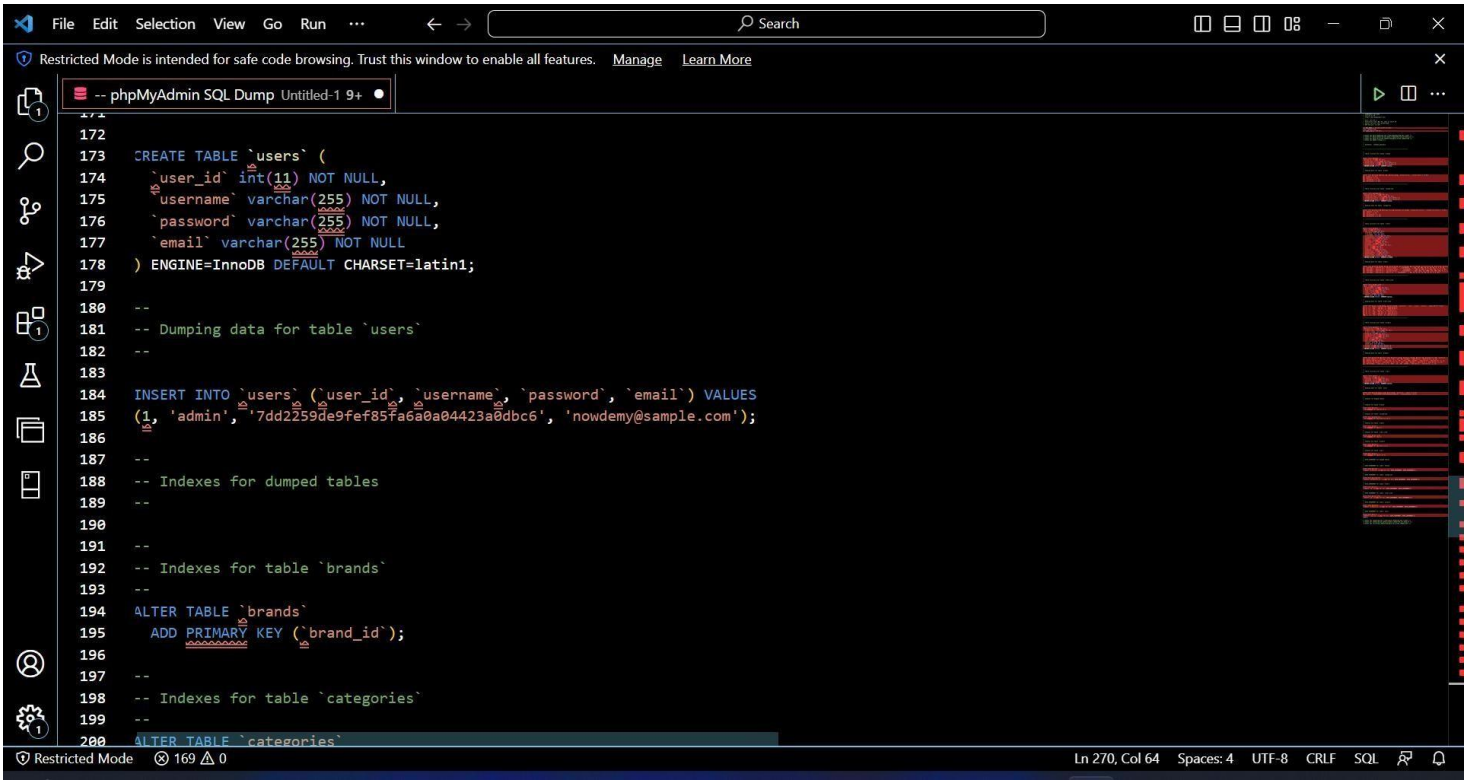
```sql
CREATE TABLE `brands` (
  `brand_id` int(11) NOT NULL,
  `brand_name` varchar(255) NOT NULL,
  `brand_active` int(11) NOT NULL DEFAULT 0,
  `brand_status` int(11) NOT NULL DEFAULT 0
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--
-- Dumping data for table `brands`
--

INSERT INTO `brands` (`brand_id`, `brand_name`, `brand_active`, `brand_status`) VALUES
(1, 'Cipla', 1, 1),
(2, 'Mankind', 1, 1),
(3, 'Sunpharma', 1, 1),
(4, 'MicroLabs', 1, 1);

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

--
-- Table structure for table `categories`
--

CREATE TABLE `categories` (
  `categories_id` int(11) NOT NULL,
  `categories_name` varchar(255) NOT NULL,
  `categories_active` int(11) NOT NULL DEFAULT 0,
  `categories_status` int(11) NOT NULL DEFAULT 0
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```



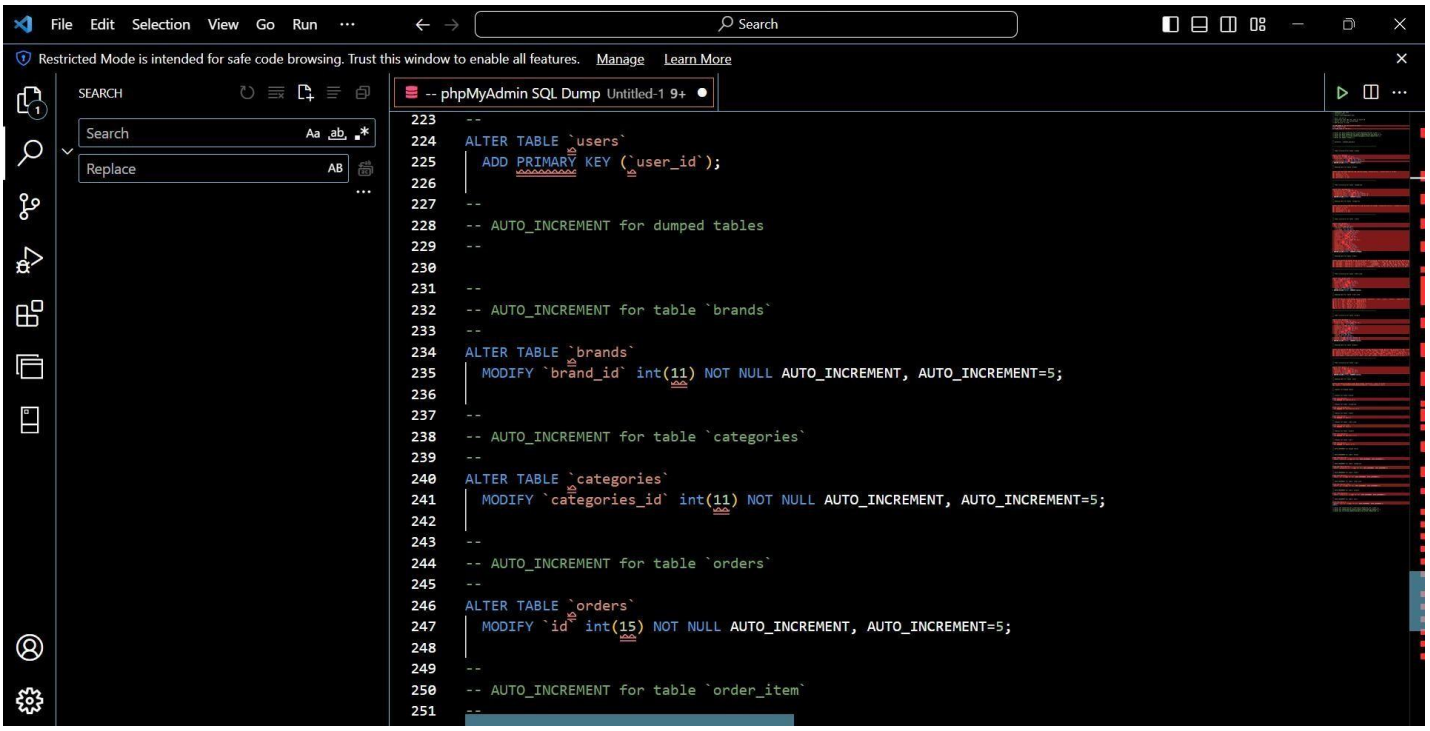
```
  `uno` varchar(50) NOT NULL,
  `orderDate` date NOT NULL,
  `clientName` text NOT NULL,
  `projectName` varchar(30) NOT NULL,
  `clientContact` int(15) NOT NULL,
  `address` varchar(30) NOT NULL,
  `subTotal` int(100) NOT NULL,
  `totalAmount` int(100) NOT NULL,
  `discount` int(100) NOT NULL,
  `grandTotalValue` int(100) NOT NULL,
  `gstn` int(100) NOT NULL,
  `paid` int(100) NOT NULL,
  `dueValue` int(100) NOT NULL,
  `paymentType` int(15) NOT NULL,
  `paymentStatus` int(15) NOT NULL,
  `paymentPlace` int(5) NOT NULL,
  `delete_status` tinyint(5) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

--
-- Dumping data for table `orders`
--

INSERT INTO `orders` (`id`, `uno`, `orderDate`, `clientName`, `projectName`, `clientContact`, `address`, `subTotal`, `totalAmount`, `discou
(1, 'INV-0001', '2022-02-28', 'Santosh Kadam', '', 2147483647, '', 100, 10, 108, 49, 0, 49, 49, 2, 1, 0, 0),
(2, 'INV-0002', '2022-03-24', 'Aishwarya Joshi', '', 2147483647, '', 300, 0, 354, 0, 0, 354, 354, 3, 3, 1, 0),
(3, 'INV-0003', '2022-04-15', 'Saurabh Katkar', '', 2147483647, '', 860, 1015, 10, 1005, 155, 500, 505, 2, 2, 1, 0),
(4, 'INV-0004', '2022-04-15', 'Mayuri K', '', 2147483647, '', 60, 71, 0, 71, 11, 50, 21, 5, 2, 1, 0);
```



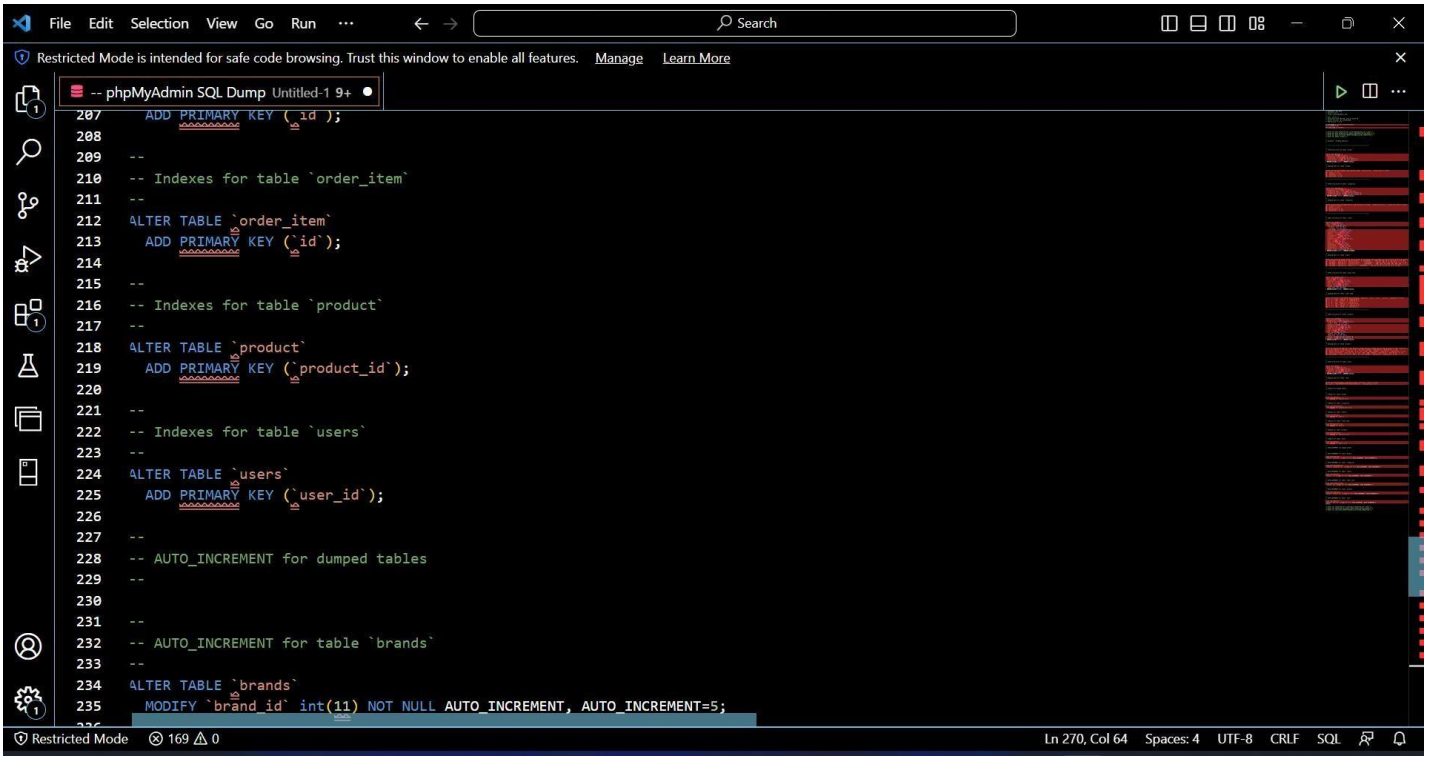
```
--

CREATE TABLE `product` (
  `product_id` int(11) NOT NULL,
  `product_name` varchar(255) NOT NULL,
  `product_image` text NOT NULL,
  `brand_id` int(11) NOT NULL,
  `categories_id` int(11) NOT NULL,
  `quantity` varchar(255) NOT NULL,
  `rate` varchar(255) NOT NULL,
  `mrp` int(100) NOT NULL,
  `bno` varchar(50) NOT NULL,
  `expdate` date NOT NULL,
  `added_date` date NOT NULL,
  `active` int(11) NOT NULL DEFAULT 0,
  `status` int(11) NOT NULL DEFAULT 0
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--
-- Dumping data for table `product`
--

INSERT INTO `product` (`product_id`, `product_name`, `product_image`, `brand_id`, `categories_id`, `quantity`, `rate`, `mrp`, `bno`, `expda
(1, 'Cipla Inhaler', 'tab.jpg', 1, 1, '50', '30', 40, '307002', '2022-02-28', '2022-02-28', 1, 1),
(2, 'Abevia 200 SR Tablet', 'tab1.jpg', 2, 1, '30', '150', 200, '307003', '2022-02-16', '2022-02-28', 1, 1),
(3, 'Arpizol 20 Tablet', 'tab3.jpg', 3, 3, '70', '200', 300, '307004', '2022-03-13', '2022-02-28', 1, 1),
(4, 'DOLO 650mg', 'tab4.jpg', 4, 1, '500', '25', 30, '307005', '2022-05-31', '2022-04-15', 1, 1);

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



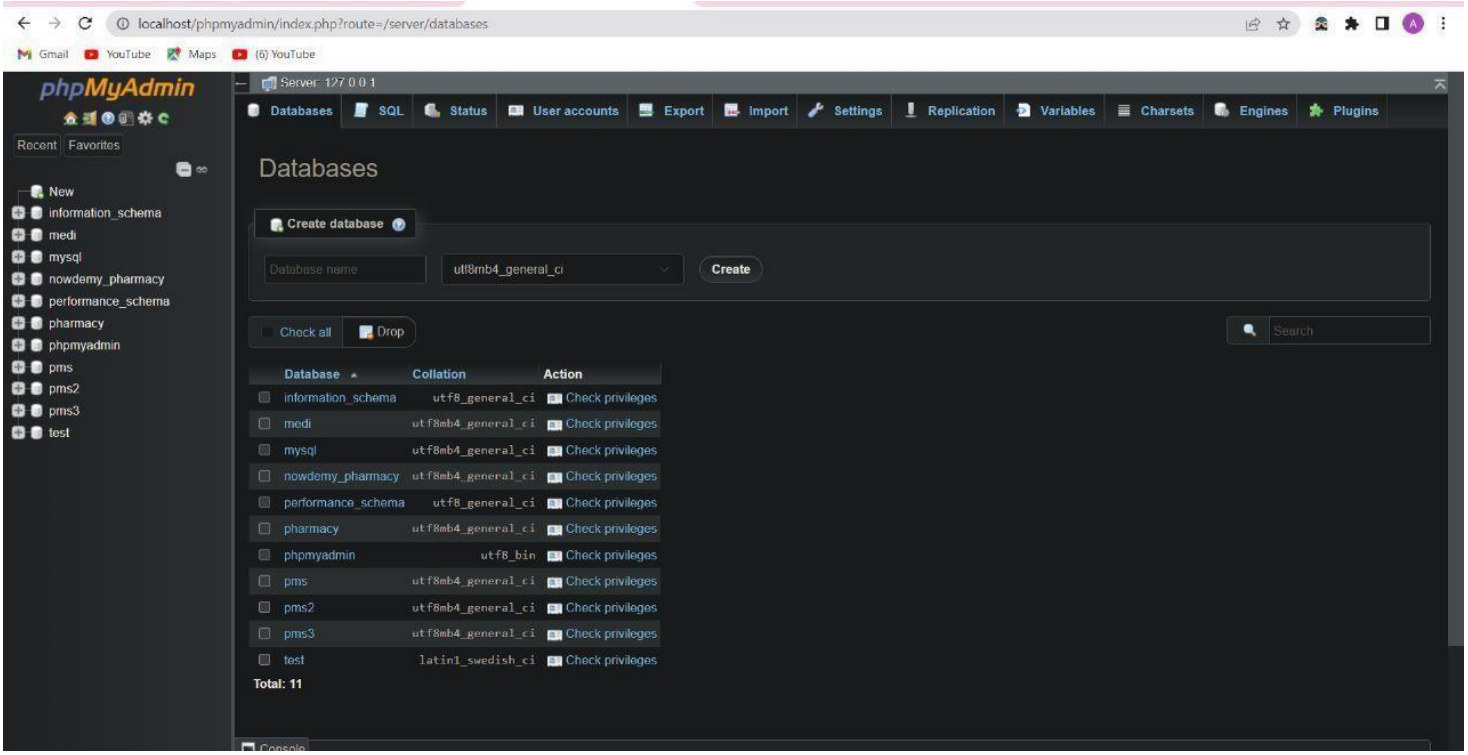

```
172
173  CREATE TABLE `users` (
174    `user_id` int(11) NOT NULL,
175    `username` varchar(255) NOT NULL,
176    `password` varchar(255) NOT NULL,
177    `email` varchar(255) NOT NULL
178  ) ENGINE=InnoDB DEFAULT CHARSET=latin1;
179
180  --
181  -- Dumping data for table `users`
182  --
183
184  INSERT INTO `users` (`user_id`, `username`, `password`, `email`) VALUES
185  (1, 'admin', '7dd2259de9fef85fa6a0a04423a0dbc6', 'nowdemy@sample.com');
186
187  --
188  -- Indexes for dumped tables
189  --
190
191  --
192  -- Indexes for table `brands`
193  --
194  ALTER TABLE `brands`
195    ADD PRIMARY KEY (`brand_id`);
196
197  --
198  -- Indexes for table `categories`
199  --
200  ALTER TABLE `categories`
```




```
223  --
224  ALTER TABLE `users`
225    ADD PRIMARY KEY (`user_id`);
226
227  --
228  -- AUTO_INCREMENT for dumped tables
229  --
230
231  --
232  -- AUTO_INCREMENT for table `brands`
233  --
234  ALTER TABLE `brands`
235    MODIFY `brand_id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=5;
236
237  --
238  -- AUTO_INCREMENT for table `categories`
239  --
240  ALTER TABLE `categories`
241    MODIFY `categories_id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=5;
242
243  --
244  -- AUTO_INCREMENT for table `orders`
245  --
246  ALTER TABLE `orders`
247    MODIFY `id` int(15) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=5;
248
249  --
250  -- AUTO_INCREMENT for table `order_item`
251  --
```


File Edit Selection View Go Run ···
Search
Restricted Mode is intended for safe code browsing. Trust this window to enable all features. Manage Learn More
-- phpMyAdmin SQL Dump Untitled-1 9+
ADD PRIMARY KEY (`id`);
--
-- Indexes for table `order_item`
--
ALTER TABLE `order_item`
ADD PRIMARY KEY (`id`);
--
-- Indexes for table `product`
--
ALTER TABLE `product`
ADD PRIMARY KEY (`product_id`);
--
-- Indexes for table `users`
--
ALTER TABLE `users`
ADD PRIMARY KEY (`user_id`);
--
-- AUTO_INCREMENT for dumped tables
--
--
-- AUTO_INCREMENT for table `brands`
--
ALTER TABLE `brands`
MODIFY `brand_id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=5;
Restricted Mode
169 0
Ln 270, Col 64
Spaces: 4
UTF-8
CRLF
SQL

TESTING


localhost/phpmyadmin/index.php?route=/server/databases
phpMyAdmin
Recent
Favorites
New
information_schema
medi
mysql
nowdemy_pharmacy
performance_schema
pharmacy
phpmyadmin
pms
pms2
pms3
test
Server: 127.0.0.1
Databases
SQL
Status
User accounts
Export
Import
Settings
Replication
Variables
Charsets
Engines
Plugins
Databases
Create database
Database name
utf8mb4_general_ci
Create
Check all
Drop
Search
Database
Collation
Action
information_schema utf8_general_ci Check privileges
medi utf8mb4_general_ci Check privileges
mysql utf8mb4_general_ci Check privileges
nowdemy_pharmacy utf8mb4_general_ci Check privileges
performance_schema utf8_general_ci Check privileges
pharmacy utf8mb4_general_ci Check privileges
phpmyadmin utf8_bin Check privileges
pms utf8mb4_general_ci Check privileges
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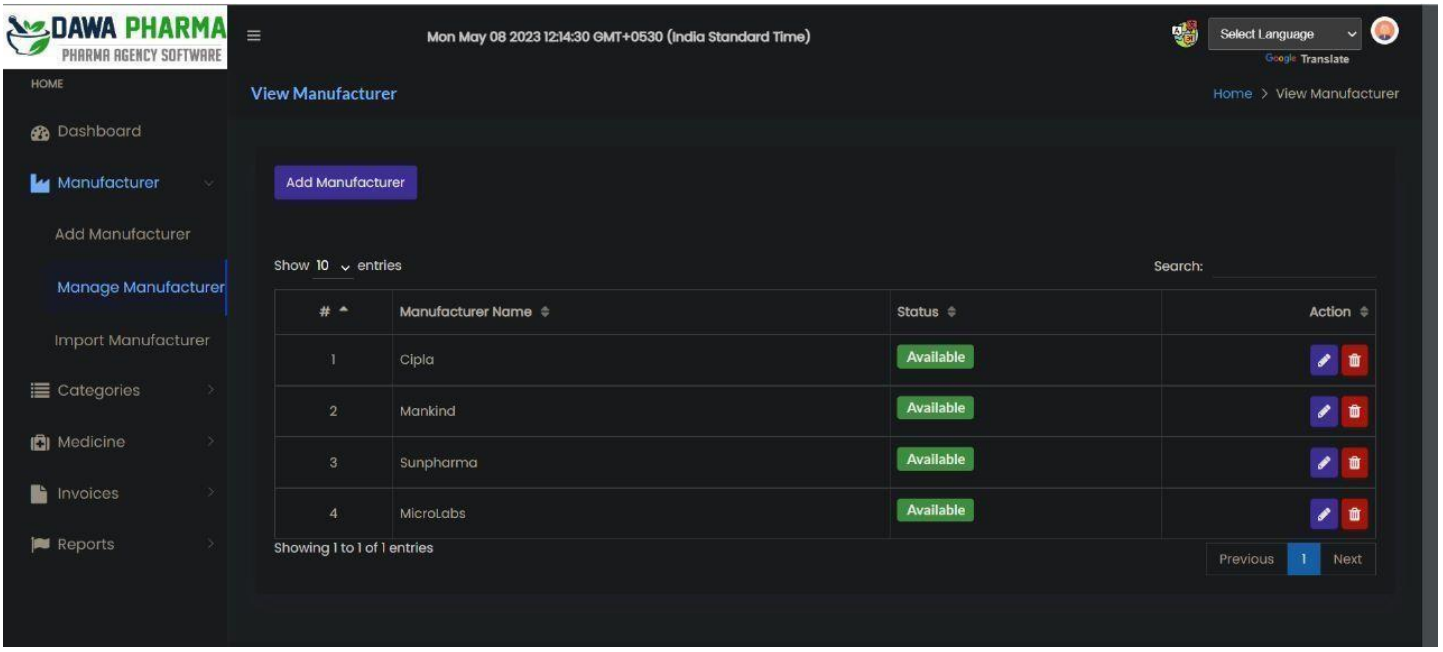
pms3 utf8mb4_general_ci Check privileges
test latin1_swedish_ci Check privileges
Total: 11


DAWA PHARMA
PHARMA AGENCY SOFTWARE
Mon May 08 2023 12:14:30 GMT+0530 (India Standard Time)
Select Language
Google Translate
HOME
Dashboard
Manufacturer
Add Manufacturer
Manage Manufacturer
Import Manufacturer
Categories
Medicine
Invoices
Reports
View Manufacturer
Home > View Manufacturer
Add Manufacturer
Show 10 entries
Search:
Manufacturer Name Status Action
1 Cipla Available
2 Mankind Available
3 Sunpharma Available
4 MicroLabs Available
Showing 1 to 1 of 1 entries
Previous 1 Next

CHAPTER-6

6.1 RESULT AND DISCUSSION

This website's pharmacy management tends to save all the user- provided data, including information about drug sales and the owners'profits, in its database using MySQL commands. On this service, users can create sales invoices and verify the quantity and expiration dates of their medication. Additionally, it gives users the ability to extend validity, add more medications to the repository, and update the database as necessary. The ER diagram with relational schema diagrams enables us to design the structure of the database faster and it was easier to make them understand the needs of the website.

These database commands are readily initiated into the database byutilising the xampp server.

CHAPTER-7

7.CONCLUSION AND FUTURE SCOPE

Detailed information gathering has to be done. Without that the purposefor using the software won't be satisfied properly.

- However, it can give good profits in the long run.
- Implementing the software requires change in the business practices.
- Efficient organization of all knowledge is the analysis company and easyanalysis access and retrieval of information is possible.
- In this project we can also include BAR CODE facility using the bar code reader, which will detect the expiry date and the other information about the related medicines.
- Company using this software will always be able to plan in future and alwaysbe aware of their financial position in the market.
- It leads to ease in functioning of business processes.
- The project can be made more robust by including biometric verification.
- There is also a scope to expand by implementing newer technologies like cloud etcetera.

ABBREVIATIONS

DB	Data Base
DBMS	Database Management System
ER	Entity Relationship
SQL	Structured Query Language
UI	User Interface
XAMPP	Platform for Apache SQL, MySql,PHP & Perl

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