##### A Software Engineering Project

##### On

ONLINE MEDICAL STORE

as the partial fulfillment of

**Semester -VI study**

for the degree of

**Bachelor of Science (Computer Science)**

## (Affiliated to Veer Narmad South Gujarat University)

during the academic year 2020-2021.

### 

**Developed By: Guided By:**

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Sarvajanik Education Society

## Shree Ramkrishna Institute of Computer Education and Applied Sciences

## Behind P.T Science College, M.T.B. College Campus, Athwalines, Surat-395 001.

### 

### Sarvajanik Education Society

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# Behind P.T. Science College, M.T.B College Campus, Athwalines, Surat-395 001.

### CERTIFICATE

## DEPARTMENT OF COMPUTER SCIENCE

This is to certify that

Student name Exam no

1) Patwa Abdur Rahim **20092**

has / have successfully completed his / her / their software engineering project work entitled

Medical Store

as the partial fulfillment of

**Semester -VI study**

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#### Internal Project Guide HOD

#### Dept. of Computer Science

#### Date : \_\_\_\_\_\_\_\_\_\_\_\_ Place : Surat

### University Examination:

**Examination No. : \_\_\_\_\_\_\_\_\_\_\_\_**

**Signature of External Examiners : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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**Introduction**

Name:- Patwa Abdur Rahim

Class:- Ty Bsc cs Sem 5 Div B

Subject:- 602 PHP Programming

Project Topic:- Medical Store (Online Medical Products Selling)

Enrollment No.:- E18111920003175

Project Guide:- Shweta Mam

Developed by:- Patwa Abdur Rahim

SRICEAS 1 Medical Store

**Introduction**

**System Introduction:-**

The main objective for developing this project is to reach as many people as it can for providing 24/7 online medical services for customer. It can help in maintence the records of purchase, sells and product details. This project provides a lot of features to manage the products in very well manner. In current system, we have integrated a single payment system Cash on delivery but in future we will enhance it with online payment system. This project contains a lot of advance modules which makes the back end system very powerful.The Medical store system software used in medicalstore. Medical Store System’s purpose is to tell customer which and what kind of Medicines & Prducts are available at Medical store. This System makes business fast , more convenient and reliable. As we know that all dynamic website or software needs database, Here in this medical store system project I’ve used mysql database.

There are two major part of this system :- Administration Panel & Frontend.

The Administration Panel (or the admin panel for short) is the primary tool for admin (Medical Store Owner) to manage business online. From administration panel admin Can manage Products , Product Categories (Kind of product) , Users , Website Global Settings , Dashboard Users , Users Role & Profile , Help Center , Orders & Admin Profile.

Frontend interact with your customers, change the look of your store and do much more.

Languages used in Back end:- PHP , Mysql , Html , Javascript (Jquery) , Css

Languages used in Frontend:- PHP , Mysql , Html , Javascript (Jquery) , Css

SRICEAS 2 Medical Store

**Advantages**

**System Advantages:-**

Medicines are one of the important factors that are necessary to cure a person’s Disease. When Person is not able to come to store to purchase medicine or for Some reason reaching to medical store is not convenient or possible , in this case online medical store makes it possible. User just have to order his product On website. Admin (Who manages Administration Dashboard) receives order and Delivers it in promised time.

Convenience :- Convenience is the main advantage of buying medical products online For those who lead busy lifestyles and simply do not have the time in the day to visit medical store. Being able to order prescription medicine from the comfort of your own home is certainly a better option.

Discretion :- Have you ever been faced with the task of buying medication that may be the cause of embarrassment? It happens to the best of us and isn’t usually a pleasant experience. Sometimes discretion is best so if you need to purchase something along the lines perhaps a haemorrhoid treatment or something for which you feel awkwardness asking for , wouldn’t you prefer to do this online instead of in a shop full of prying eyes? Nobody need ever know and so long as you ensure you receive the package yourself, they never will.

SRICEAS 3 Medical Store

**System Software Use**

**System Software Use:-**

This system contains two main module:-

1.Admin Panel(Dashboard.)

2.Frontend(For customers.)

Admin Panel (Administration Dashboard) is only accessible for authorized person.

From Admin Panel admin(Store Owner) handles his online store. There are functionality of every possibility is included to manage store online. From admin panel admin can manage store’s product and products categories. Admin can make product available or unavailable on store(frontend). Orders are received at admin dashboard. Admin can deal with orders very easily like change order , delete delievered order and more. Admin also can manage customers identity online and user registration. Admin can also manipulate website minor details of store like store currency , Store Title(Name) , Favicon etc. System software makes it easy and less timewasting. Admin can also manage dashboard users and assign them roles.

From dashboard admin can also request technical support from developer team.

Frontend of Medical store system is an software application for medical shop designed as to ease the work load of medical shop professionals. The main feature includes Billing , Shopping, Orders, Product Information , Customer Support , purchase report and customer details, etc.

Software Requirement:-

Backend:- localhost (Xampp/Wampp)

Frontend:- Sublime Text

Hardware Requirements:-

Memory:- 77.8 MB

Hard disk space:- 2GB

SRICEAS 4 Medical Store

**System Modules**

**System modules:-**

Admin Panel (Administration Dashboard) modules:-

Admin Login

Forgot Password (Reset and New Password)

Category Management

Product Management

Users Management

Store & Site Global Settings

Orders Management

Help & Support

Logout

Admin Login:- Admin login module is for admin access and authorization. It checks Whether authorized person is accessing Administration Dashboard or not. If not it sends security email to owner that there was an unauthorized attempt to login to dashboard. So Author can contact Technical team immediately.

Forgot Password:- In case dashboard users forgot his credentials , this features provides functionality to setup new password through email account.

Category Management:- Category management provides facility for handling product categories operations like insert , update , delete , sorting , status , searching , pagination , , data copying , report generating in Excel , CSV , PDF format.

Product Management:- Product management provides facility for handling product categories operations like insert , update , delete , sorting , status , searching , pagination , data copying , report generating in Excel , CSV , PDF format.

User Management:- User management provides facility for adding new user , Updating User , Assign roles to users , Update user image & Profie , sorting , searching , pagination , data copying , report generating in Excel , CSV , PDF format.

Website & Store Settings:- Provides functionality to change website title , Store currency , Store Icon.

SRICEAS 5 Medical Store

**System Modules**

Help & Support:- Provides functionality to let Dashboard user submit complain to Technical team realted issues such bug , technical issue , Request to extend features and account capabilities. Dashboard user can contact technical team immediately.

Orders Management:- Provides functionality to manage ordered product from frontend. Dashboard user can maintain orders , Payments , Delivery easily.

Frontent (UI) modules:-

Home Page

Shop Page

About Page

Discussion Page

Contact Page

Login/Signup Page

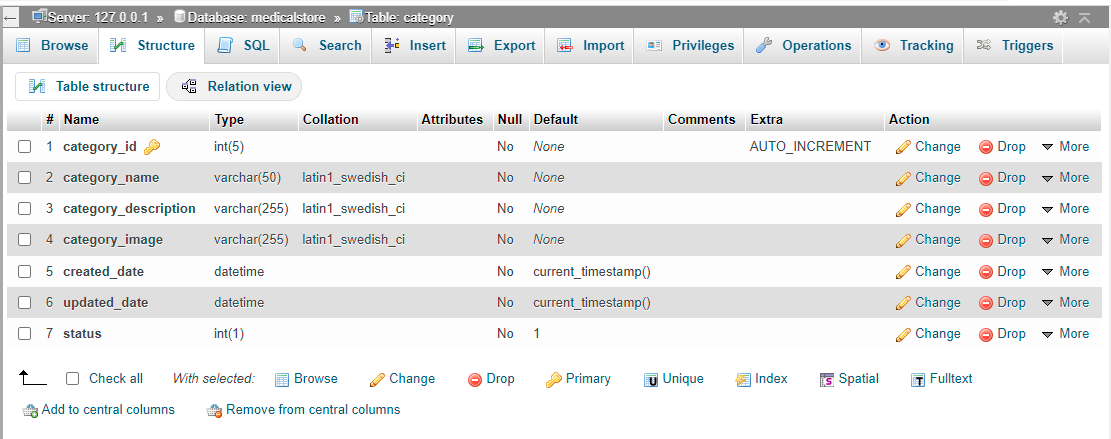
Cart Page

Checkout Page

Edit Profile Page

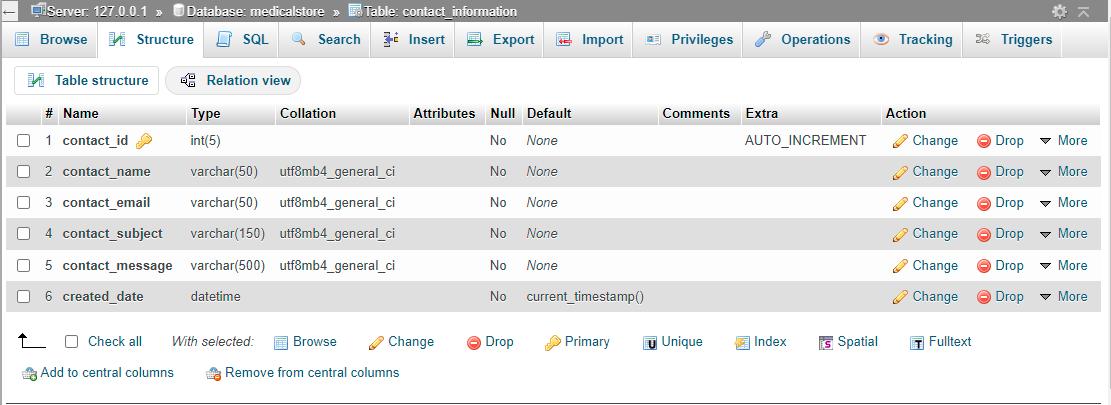
My Account Page

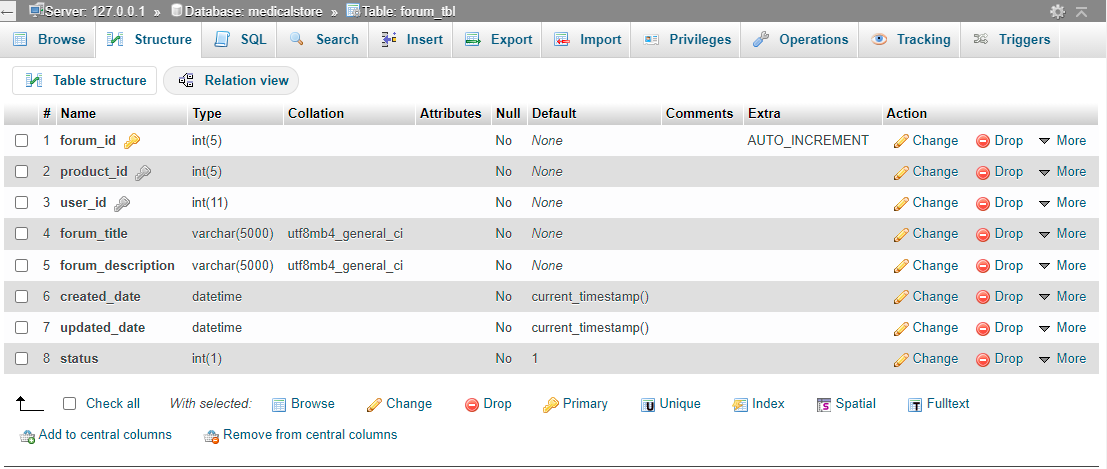
Single Product Page

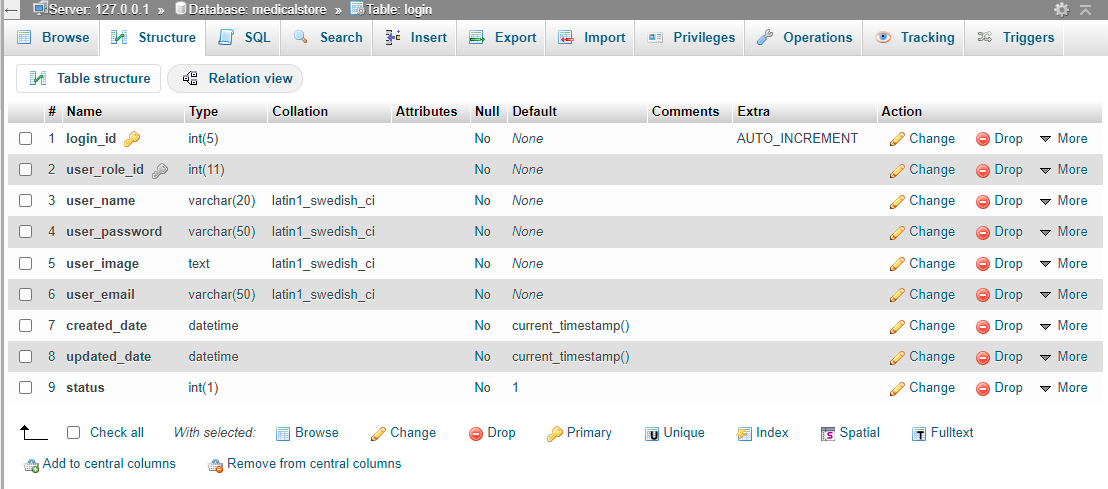
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SRICEAS 6 Medical Store

**Database Screenshots**

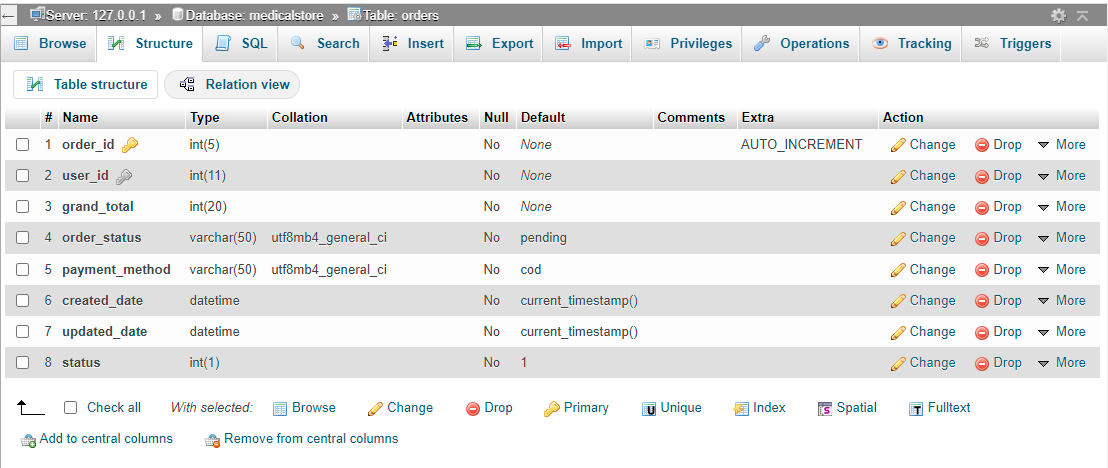


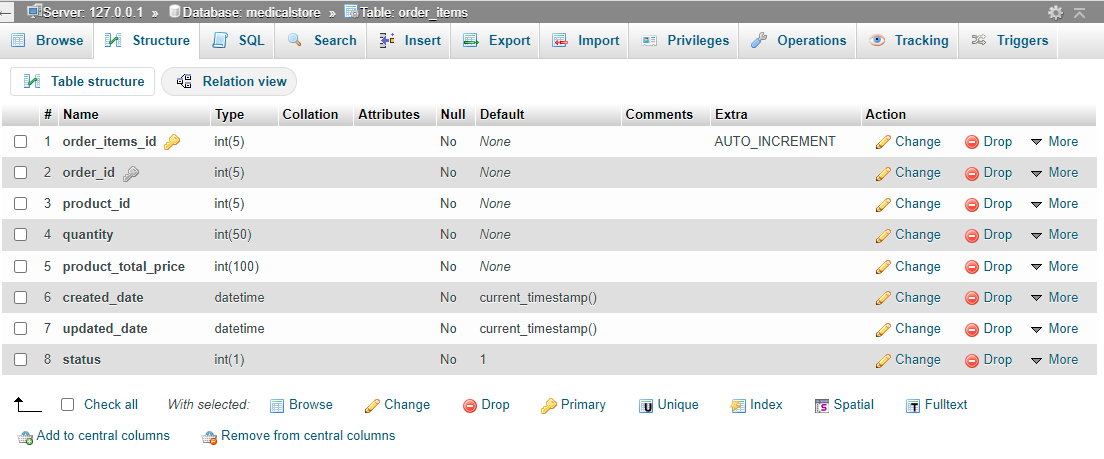


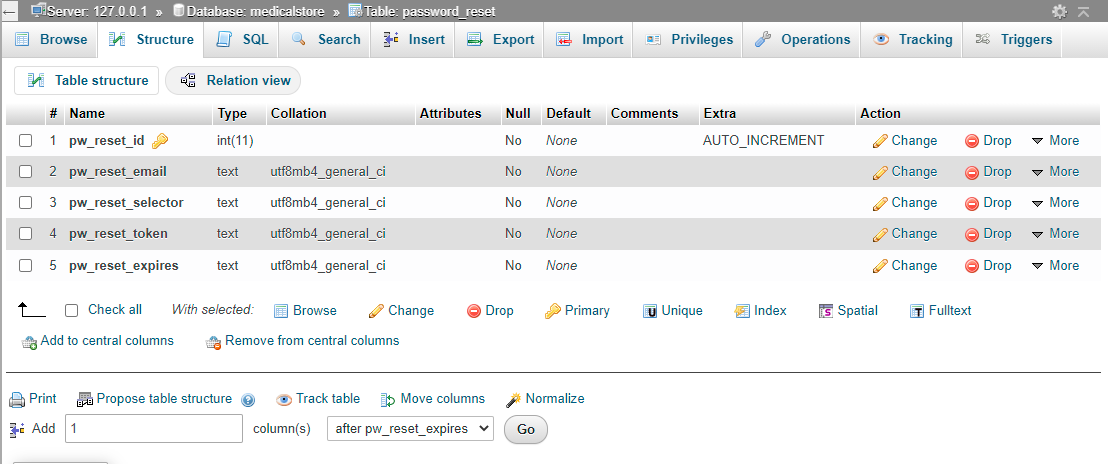


SRICEAS 7 Medical Store

**Database Screenshots**

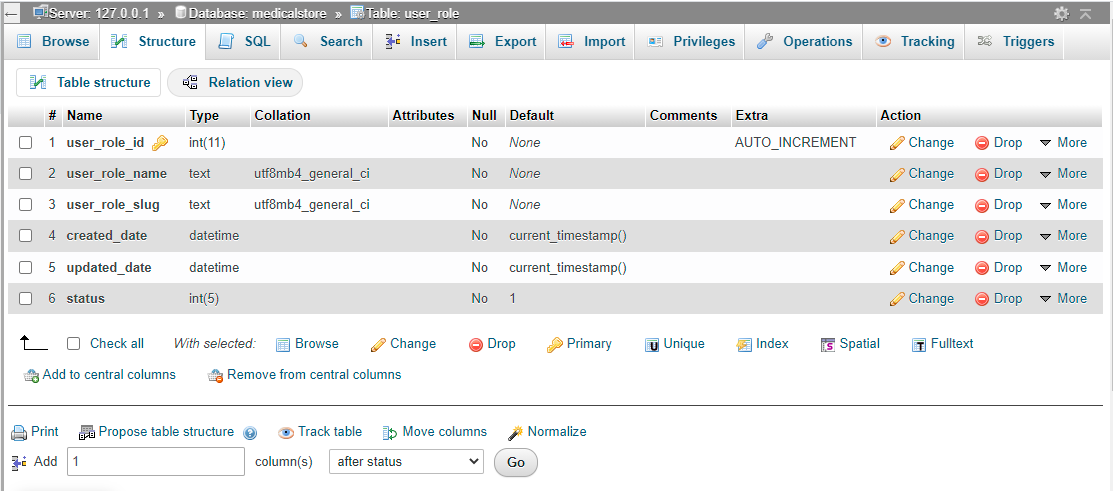
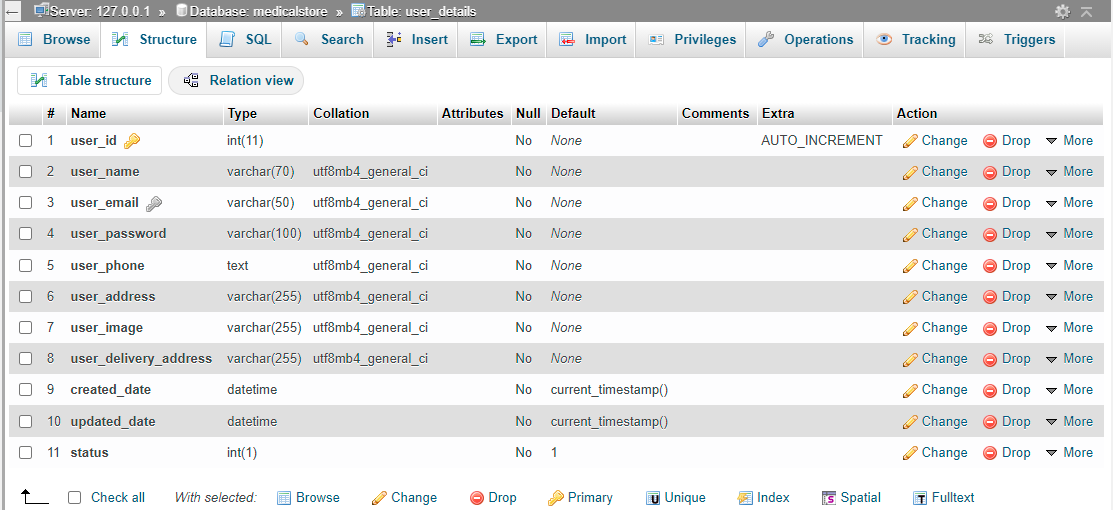
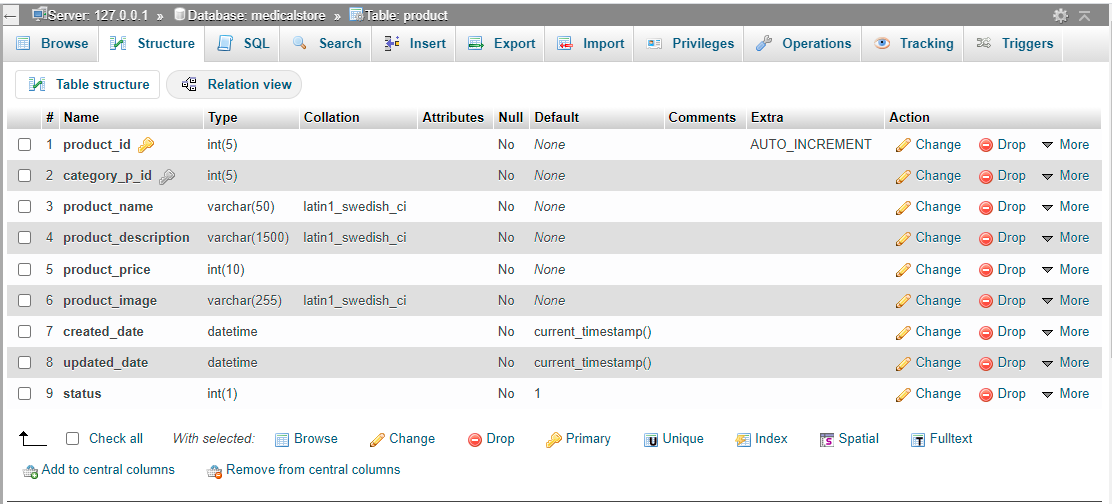






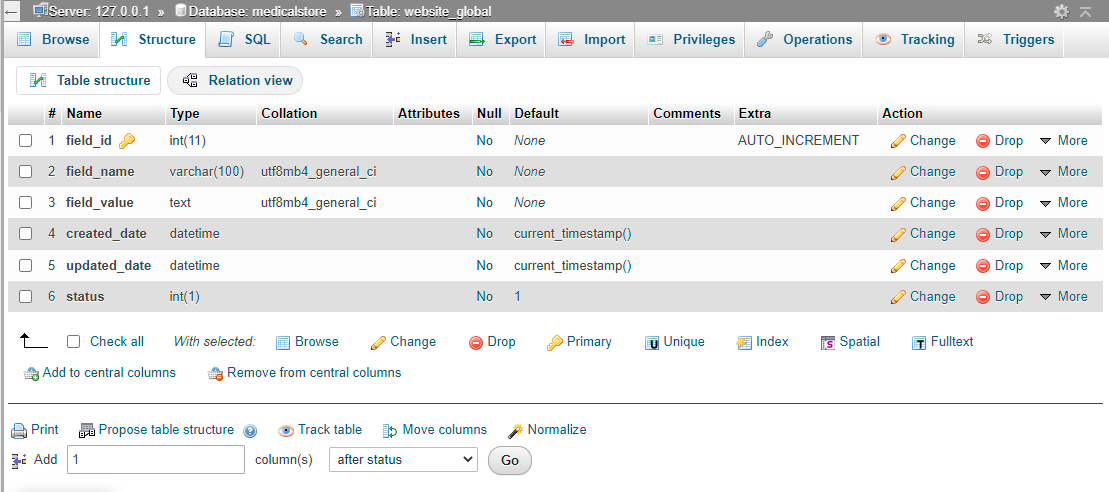
SRICEAS 8 Medical Store

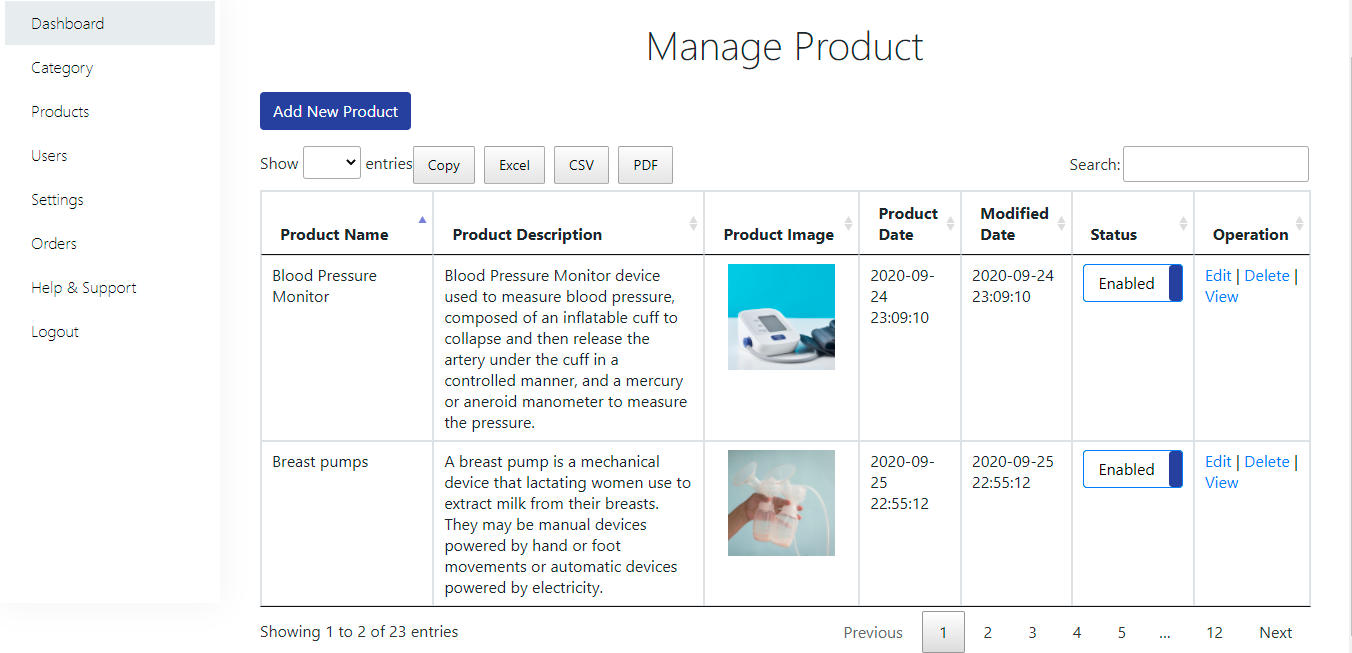
**Database Screenshots**



SRICEAS 9 Medical Store

**Database Screenshots**





Admin site features:-

Category Management , Product Management , User Management , Website Global Settings , Orders Management , Help & Support , Manage User Profile.

Frontend site Module features:- Shopping Cart process (through ajax) , Sign-in

& User Registration , Order Products feature , Products filtering by category ,

Checkout Feature , Forum Discussion(Registered User can make discussion)

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**DFD 0 Level**

Website Setting

User Management

Category Management

Website Setting

Product Management

Website Setting

Forgot Password

Administration

Edit Profile

Frontend (User Interface)

Myaccount Page

Contact Page

Home Page

About Page

Shop Page

Discussion Page

Signup Page

Cart Page

Login Page

Login/Signup Page

Checkout Page

SRICEAS 11 Medical Store

**DFD 1 Level (Backend)**

Manage Category

Insert , Update , Search , Sorting , Export , Delete , Status

Admin

Manage Products

Manage Users

Orders Management

Help & Support

Website Globals

Change currency , Favicon

And title

SRICEAS 12 Medical Store

**DFD 1 Level (Frontend)**

Add to Cart

Frontend

View Discussion

About Us & Contact uS

Shop – Append & Categorize Product

Checkout

Order Online

Join Discussion

Edit Profile

My Account Page

SRICEAS 13 Medical Store

**System Flowchart**

Order Product

Shop

If not logged in

Cart/Checkout

(Check if User is logged in or not)

Currently there are only COD payment method available.

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**Coding Approach/Style & Code Snippets**

<?php

include\_once './inc/constants.php';

include\_once './inc/connection.php';

include\_once './inc/functions.php';

include\_once './inc/header.php';

admin\_logged\_in(); // Check if admin is already logged in

**if**(**isset**($\_POST[**'login\_sbmt'**])) {  
 $user\_name = $\_POST[**'user\_name'**];  
 $user\_password = $\_POST[**'user\_password'**];  
 $user\_password = *md5*($user\_password);  
 $ip\_address = get\_ip();  
  
 *// login qry and result* $fetch\_user\_qry = **"select** *\** **from login where (user\_name='**$user\_name**' or user\_email='**$user\_name**') and user\_password='**$user\_password**' and status='1'"**;  
 $fetch\_user\_qry\_result = *mysqli\_query*($con,$fetch\_user\_qry);  
  
 *// Check if user exists* **if**(*mysqli\_num\_rows*($fetch\_user\_qry\_result)==0) {  
 $login\_err = **"<span class='text-danger'>Invalid User.</span>"**;  
 }  
 **else** {  
 $\_SESSION[**'admin\_name'**] = $user\_name;  
 $\_SESSION[**'admin\_password'**] = $user\_password;  
 $\_SESSION[**'is\_admin\_logged\_in'**] = 1;  
 $admin\_details\_arr = *mysqli\_fetch\_array*($fetch\_user\_qry\_result);  
 $\_SESSION[**'admin\_id'**] = $admin\_details\_arr[**'login\_id'**];  
 $\_SESSION[**'admin\_email'**] = $admin\_details\_arr[**'user\_email'**];  
 $\_SESSION[**'user\_role'**] = $admin\_details\_arr[**'user\_role\_id'**];  
  
 *//Notify User that login attempt was made for security purpose.* $current\_date = *date*(**'d-m-Y H:i:s'**);  
 $to = $admin\_details\_arr[**'user\_email'**];  
 $subject = **"Login Attempted from New IP address "**.$ip\_address.**" - "**.$current\_date.**""**;  
 $headers = **"MIME-Version: 1.0"** . **"\r\n"**;  
 $headers .= **"Content-type:text/html;charset=UTF-8"** . **"\r\n"**;  
 $headers .= **'From: <tname3186@gmail.com>'** . **"\r\n"**;  
 $message = **"We've noticed that you accessed your account from an unrecognized IP address.<br>"**;  
 $message.=**"Time: - "**.$current\_date.**".<br>"**;  
 $message.=**"IP Address - "**.$ip\_address.**".<br>"**;  
 $message.=**"If you don't recognize this activity, please disable your account and contact us immediately at http://localhost/medicalstore.com/admin/help-and-support/"**;  
 $send\_mail = *mail*($to,$subject,$message,$headers);  
 *header*(**"location:./dashboard/"**);  
 }  
}

SRICEAS 15 Medical Store

**Testing Data Inputs / Testing Operations**

Login Testing

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Input | Description | Expected Output | Actual Output | Result |
| 1 | Empty email/username | No Input | Validation Error | Validation Error | Log in Failed. |
| 2 | Empty Password | No Input | Validation Error | Validation Error | Log in Failed. |
| 3 | Invalid Username/Email | Invalid Input | Runtime Error (Invalid User) | Runtime Error (Invalid User) | Log in Failed. |
| 4 | Invalid Password | Invalid Input | Runtime Error (Invalid User) | Runtime Error (Invalid User) | Log in Failed. |

Login testing is performed on both Frontend and backend.

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**Data Dictionaries**

|  |  |
| --- | --- |
| Name | login |
| Alias | Admin Login |
| Cotent | login\_id , user\_role\_id , user\_name , user\_password , user\_image , user\_email , created\_date , updated\_date , status |

|  |  |
| --- | --- |
| Name | user\_role |
| Alias | User Role |
| Cotent | user\_role\_id , user\_role\_name , user\_role\_slug , created\_date , updated\_date , status |

|  |  |
| --- | --- |
| Name | website\_global |
| Alias | Website Settings |
| Cotent | field\_id , field\_name , created\_date , updated\_date , status |

|  |  |
| --- | --- |
| Name | user\_details |
| Alias | Customer Login |
| Cotent | user\_id , user\_name , user\_email , user\_password , user\_phone , user\_address , user\_image , user\_delivery\_address , created\_date , updated\_date , status |

|  |  |
| --- | --- |
| Name | product |
| Alias | Product Management |
| Cotent | product\_id , category\_p\_id , product\_name , product\_description , product\_price , product\_image , created\_date , updated\_date , status |

|  |  |
| --- | --- |
| Name | category |
| Alias | Category Management |
| Cotent | category\_id , category\_name , category\_description , category\_image , created\_date , updated\_date , status |

|  |  |
| --- | --- |
| Name | orders |
| Alias | Orders Management |
| Cotent | order\_id , user\_id , grand\_total , order\_status , payment\_method , created\_date , updated\_date , status |

|  |  |
| --- | --- |
| Name | order\_items |
| Alias | Order Items |
| Cotent | order\_items\_id , order\_id , product\_id , quantity , product\_total\_price , created\_date , updated\_date , status |

|  |  |
| --- | --- |
| Name | password\_reset |
| Alias | Orders Management |
| Cotent | pw\_reset\_id , pw\_reset\_email , pw\_reset\_selector , pw\_reset\_token ,pw\_reset\_expires |

SRICEAS 17 Medical Store

**New Tools/ Technology Learned/Used**

PHP

MySQL

JavaScript

Jquery

Ajax Request Handling

Working with Database

E-commerce Functionalities

Importance of UI

Javascript Additional Plugins (Data Tables / Canvas Signature Verification / Form Validation)

SRICEAS 18 Medical Store

**Limitations/ Future Enhancement & Opportunities/ Constraints / Restrection & Dependencies**

Since this is a huge project to take care of I had to cut back on some of the basic requirements of the sites. Still have to work on Administration Design.  
Admin panel is not much as responsive as needed. Payment method integration  
is still left.

The constraint regarding the system is the main constraint of this project which is relevant to the compatibility of the program with system. The system constraint is caused due to the processor, hard disk and RAM used in developing the medical store management system.

The purpose of the project is to build an application program to reduce the manual work for managing the Sells, Medicines, Medical Shop.

The first risk in developing the medical store management system is the impact of using improper hardware interface. The wrong selection of the hardware interface or the use of faulty hardware interface can change the outcome of the software.

the designing of the software of medical store management system is intangible and unique in nature which is inherent in the software when considering the scheduling and estimations in project.

In the further stage of the project development, the other features are recognised which were not present at the initial stage and can influence the estimated output and time management of project.

The constraint is related to the quality of the project. The maintenance of quality in a project is important for achieving the outcome of the software. The purpose of designing the medical store management system is to reduce the time and space involved in record keeping and inventory management in medical stores. The reduction in quality can impact on the performance of software.

The scope is the last constraint of this project. The project is need to fulfil its scope as it makes the project cost effective ad maintain the quality of it.

Robust server with capability of large storage is required to host the project.

SRICEAS 19 Medical Store

**Bibliography & References**

**-** [**www.google.com**](http://www.google.com/) **-** [**www.w3schools.com**](http://www.w3schools.com)

**-** [**www.stackoverflow.com**](http://www.stackoverflow.com)

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