

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:

1) Patwa Abdur Rahim

Guided By:

Mrs. Shweta Bhatia



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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Bachelor of Science (Computer Science)
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during the academic year 2020-2021.

Internal Project Guide

HOD
Dept. of Computer Science

Date : _____

Place : Surat

University Examination:

Examination No. : _____

Signature of External Examiners : _____

INDEX for Project Documentation

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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

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 maintenance 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 & Products 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

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.

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 delivered 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

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 feature 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 & Profile, 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.

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

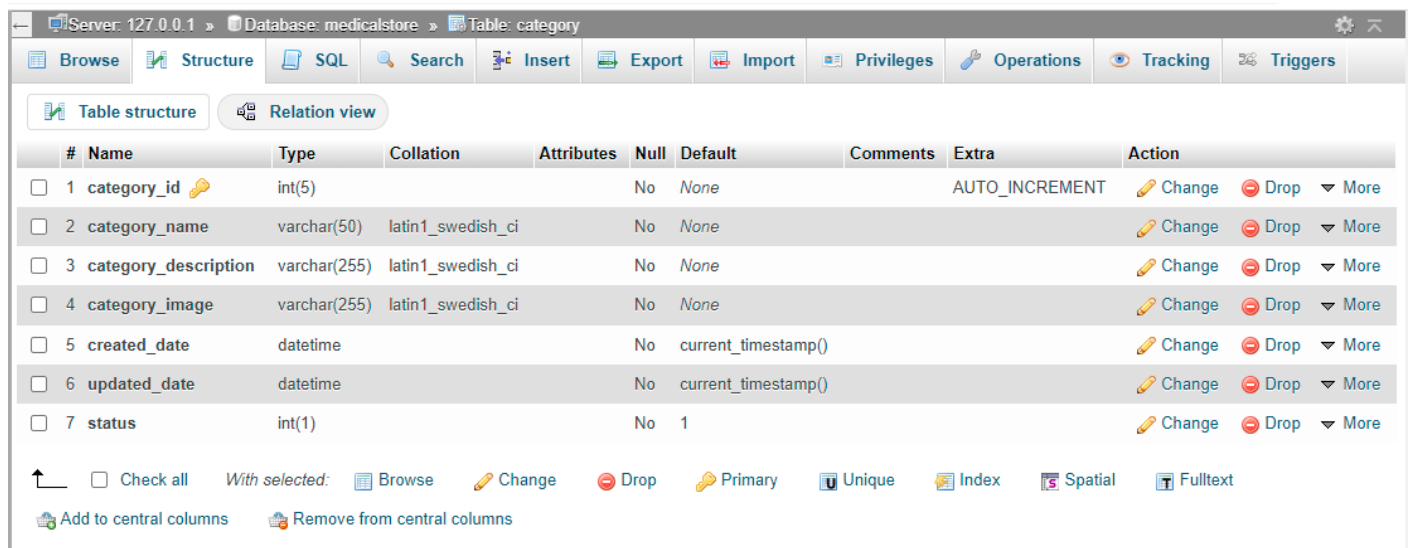
Cart Page

Checkout Page

Edit Profile Page

My Account Page

Single Product Page



#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 category_id	int(5)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2 category_name	varchar(50)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/>	3 category_description	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/>	4 category_image	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/>	5 created_date	datetime			No	current_timestamp()			Change Drop More
<input type="checkbox"/>	6 updated_date	datetime			No	current_timestamp()			Change Drop More
<input type="checkbox"/>	7 status	int(1)			No	1			Change Drop More

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#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	contact_id	int(5)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/> 2	contact_name	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 3	contact_email	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 4	contact_subject	varchar(150)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 5	contact_message	varchar(500)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 6	created_date	datetime			No	current_timestamp()			Change Drop More

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#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	forum_id	int(5)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/> 2	product_id	int(5)			No	None			Change Drop More
<input type="checkbox"/> 3	user_id	int(11)			No	None			Change Drop More
<input type="checkbox"/> 4	forum_title	varchar(5000)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 5	forum_description	varchar(5000)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 6	created_date	datetime			No	current_timestamp()			Change Drop More
<input type="checkbox"/> 7	updated_date	datetime			No	current_timestamp()			Change Drop More
<input type="checkbox"/> 8	status	int(1)			No	1			Change Drop More

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#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
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<input type="checkbox"/> 2	user_role_id	int(11)			No	None			Change Drop More
<input type="checkbox"/> 3	user_name	varchar(20)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/> 4	user_password	varchar(50)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/> 5	user_image	text	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/> 6	user_email	varchar(50)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/> 7	created_date	datetime			No	current_timestamp()			Change Drop More
<input type="checkbox"/> 8	updated_date	datetime			No	current_timestamp()			Change Drop More
<input type="checkbox"/> 9	status	int(1)			No	1			Change Drop More

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#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	order_id	int(5)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/> 2	user_id	int(11)			No	None			Change Drop More
<input type="checkbox"/> 3	grand_total	int(20)			No	None			Change Drop More
<input type="checkbox"/> 4	order_status	varchar(50)	utf8mb4_general_ci		No	pending			Change Drop More
<input type="checkbox"/> 5	payment_method	varchar(50)	utf8mb4_general_ci		No	cod			Change Drop More
<input type="checkbox"/> 6	created_date	datetime			No	current_timestamp()			Change Drop More
<input type="checkbox"/> 7	updated_date	datetime			No	current_timestamp()			Change Drop More
<input type="checkbox"/> 8	status	int(1)			No	1			Change Drop More

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#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	order_items_id	int(5)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/> 2	order_id	int(5)			No	None			Change Drop More
<input type="checkbox"/> 3	product_id	int(5)			No	None			Change Drop More
<input type="checkbox"/> 4	quantity	int(50)			No	None			Change Drop More
<input type="checkbox"/> 5	product_total_price	int(100)			No	None			Change Drop More
<input type="checkbox"/> 6	created_date	datetime			No	current_timestamp()			Change Drop More
<input type="checkbox"/> 7	updated_date	datetime			No	current_timestamp()			Change Drop More
<input type="checkbox"/> 8	status	int(1)			No	1			Change Drop More

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#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	pw_reset_id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/> 2	pw_reset_email	text	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 3	pw_reset_selector	text	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 4	pw_reset_token	text	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 5	pw_reset_expires	text	utf8mb4_general_ci		No	None			Change Drop More

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#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	product_id	int(5)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/> 2	category_p_id	int(5)			No	None			Change Drop More
<input type="checkbox"/> 3	product_name	varchar(50)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/> 4	product_description	varchar(1500)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/> 5	product_price	int(10)			No	None			Change Drop More
<input type="checkbox"/> 6	product_image	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/> 7	created_date	datetime			No	current_timestamp()			Change Drop More
<input type="checkbox"/> 8	updated_date	datetime			No	current_timestamp()			Change Drop More
<input type="checkbox"/> 9	status	int(1)			No	1			Change Drop More

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#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	user_id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/> 2	user_name	varchar(70)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 3	user_email	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 4	user_password	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 5	user_phone	text	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 6	user_address	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 7	user_image	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 8	user_delivery_address	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 9	created_date	datetime			No	current_timestamp()			Change Drop More
<input type="checkbox"/> 10	updated_date	datetime			No	current_timestamp()			Change Drop More
<input type="checkbox"/> 11	status	int(1)			No	1			Change Drop More

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#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	user_role_id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/> 2	user_role_name	text	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 3	user_role_slug	text	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 4	created_date	datetime			No	current_timestamp()			Change Drop More
<input type="checkbox"/> 5	updated_date	datetime			No	current_timestamp()			Change Drop More
<input type="checkbox"/> 6	status	int(5)			No	1			Change Drop More

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#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	field_id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/> 2	field_name	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 3	field_value	text	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 4	created_date	datetime			No	current_timestamp()			Change Drop More
<input type="checkbox"/> 5	updated_date	datetime			No	current_timestamp()			Change Drop More
<input type="checkbox"/> 6	status	int(1)			No	1			Change Drop More

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Manage Product

[Add New Product](#)

Show entries [Copy](#) [Excel](#) [CSV](#) [PDF](#)

Search:

Product Name	Product Description	Product Image	Product Date	Modified Date	Status	Operation
Blood Pressure Monitor	Blood Pressure Monitor device used to measure blood pressure, composed of an inflatable cuff to collapse and then release the artery under the cuff in a controlled manner, and a mercury or aneroid manometer to measure the pressure.		2020-09-24 23:09:10	2020-09-24 23:09:10	Enabled	Edit Delete View
Breast pumps	A breast pump is a mechanical device that lactating women use to extract milk from their breasts. They may be manual devices powered by hand or foot movements or automatic devices powered by electricity.		2020-09-25 22:55:12	2020-09-25 22:55:12	Enabled	Edit Delete View

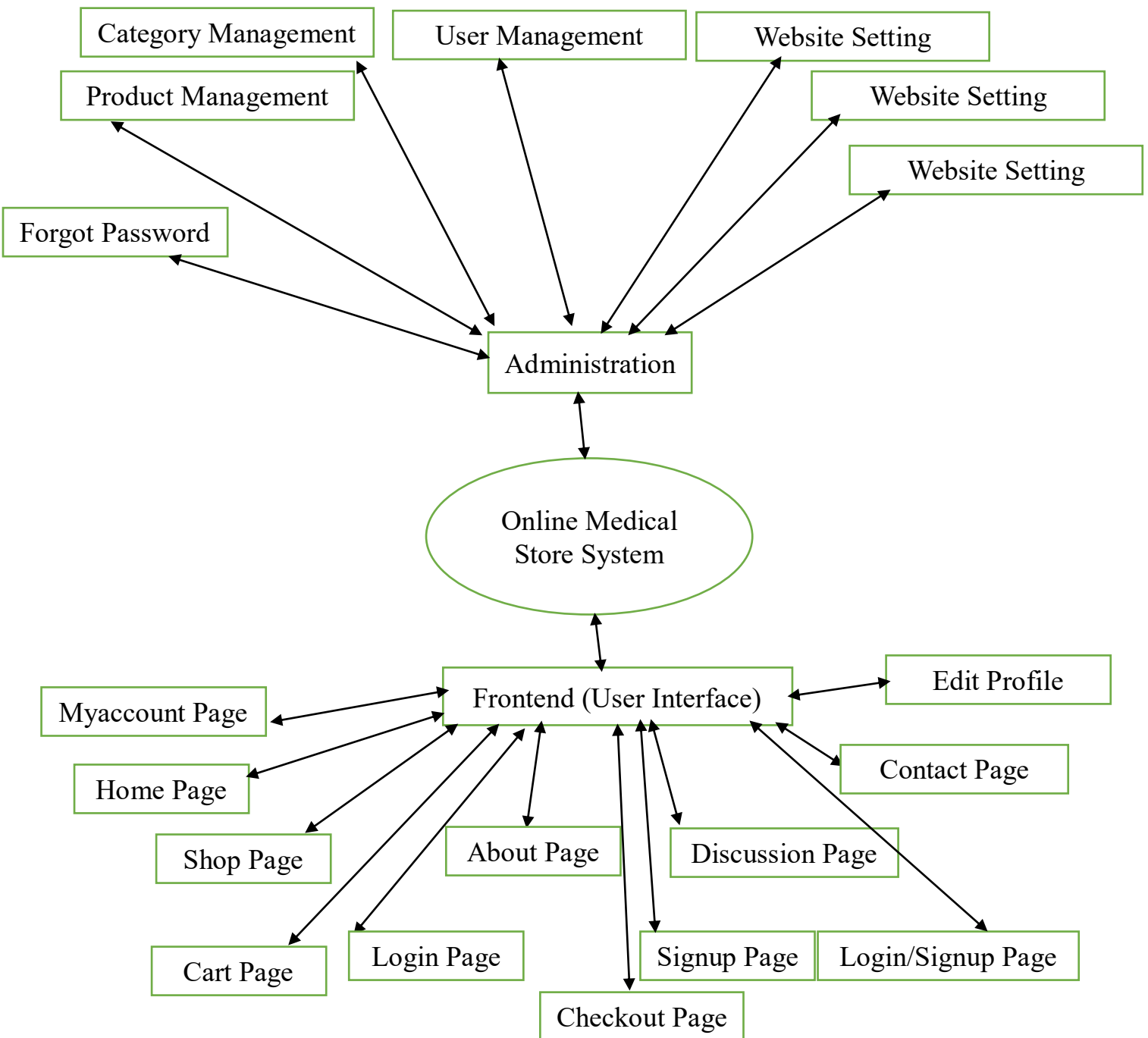
Showing 1 to 2 of 23 entries

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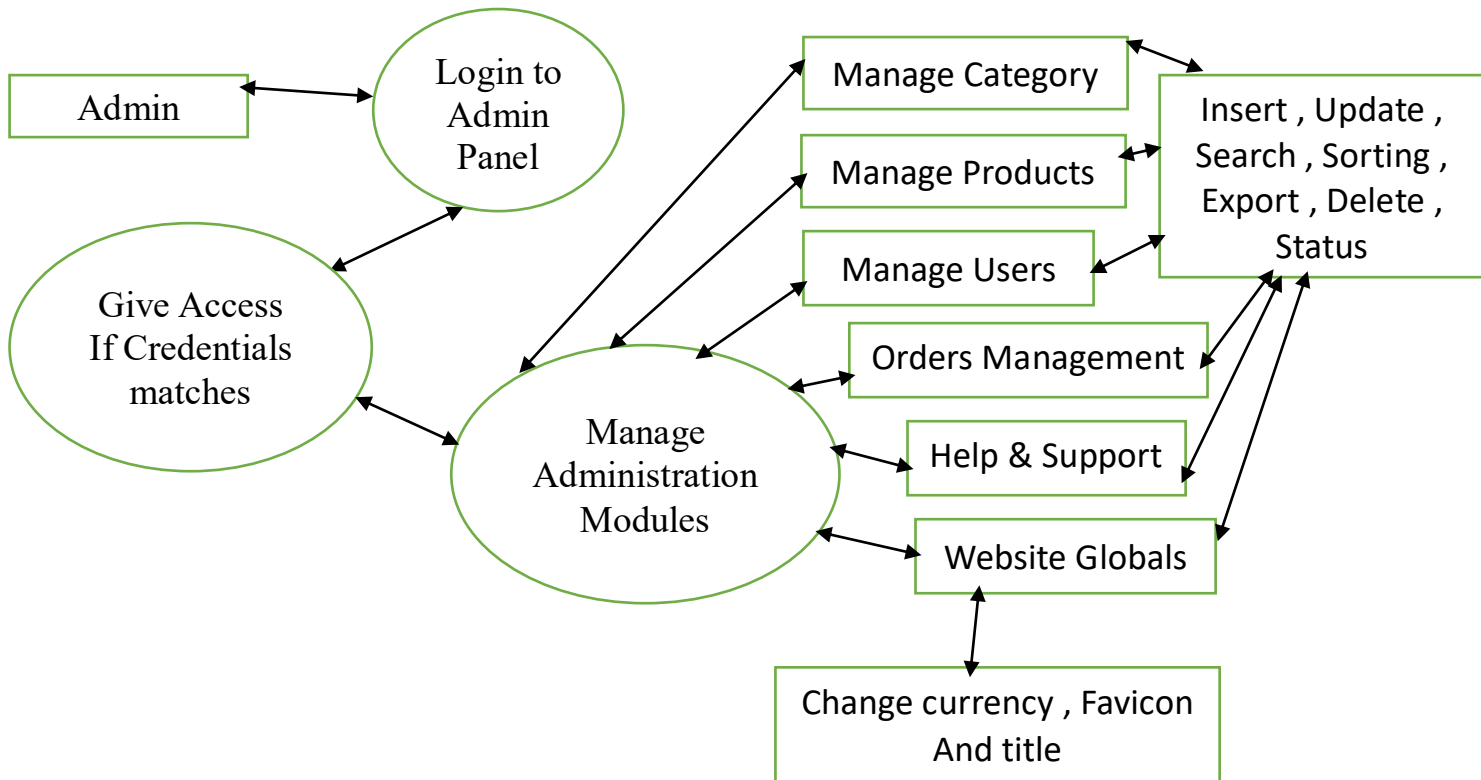
Admin site features:-

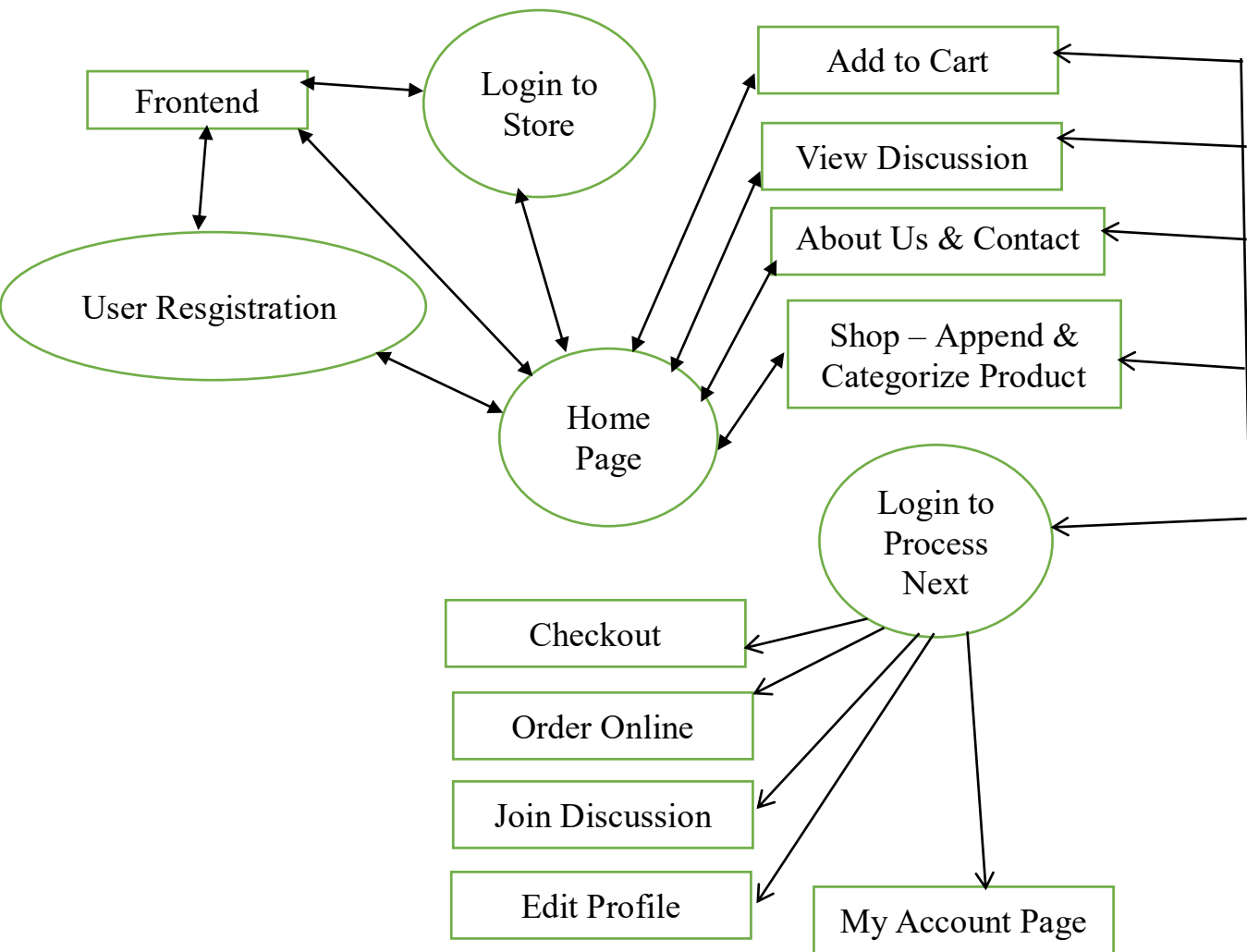
Category Management , Product Management , User Management , Website Global Settings , Orders Management , Help & Support , Manage User Profile.

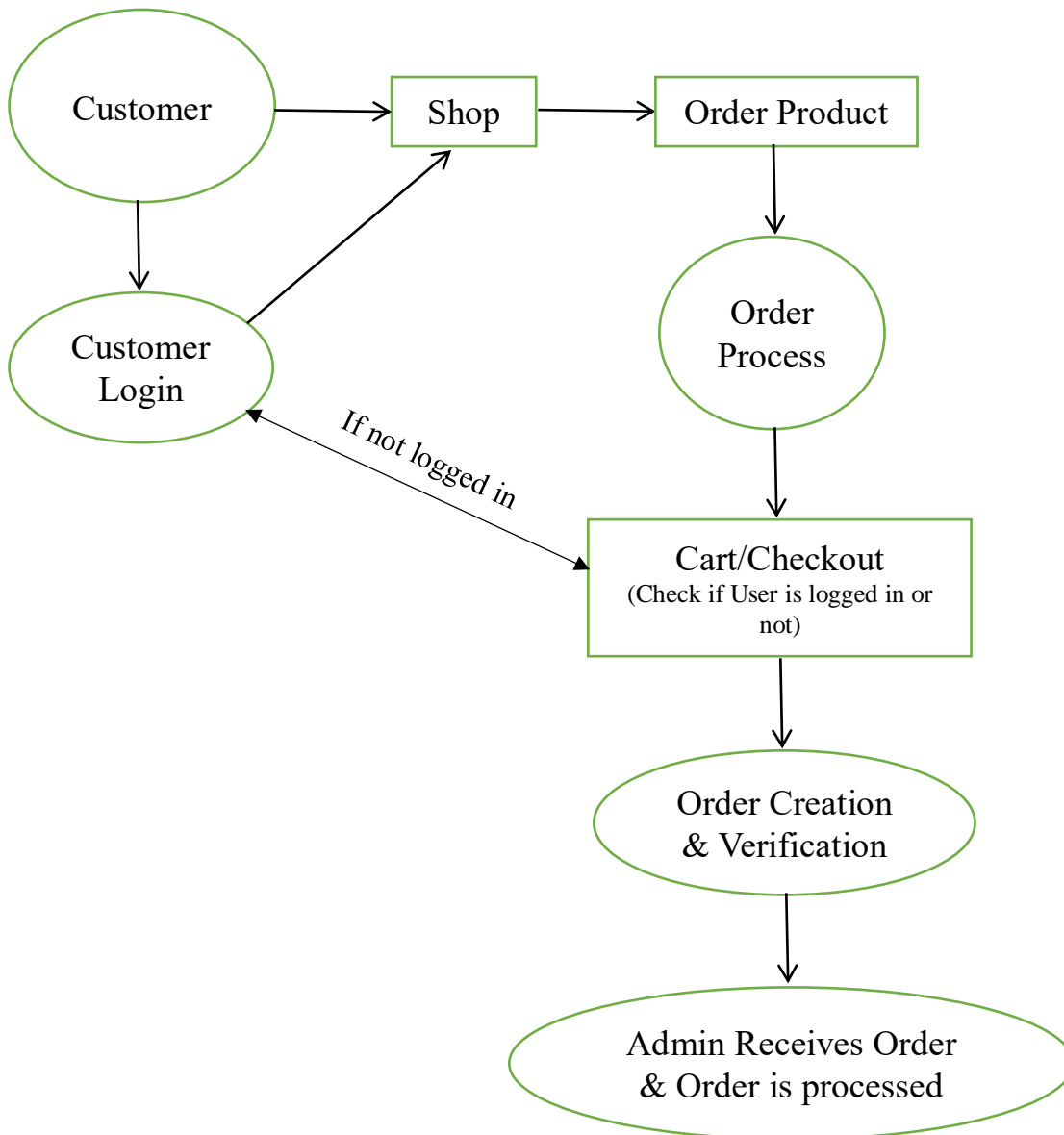
Frontend site Module features:- Shopping Cart process (through ajax) , Sign-in & User Registration , Order Products feature , Products filtering by category , Checkout Feature , Forum Discussion(Registered User can make discussion)



DFD 1 Level (Backend)







Currently there are only COD payment method available.

```
<?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/");
    }
}
```

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.

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	website_global
Alias	Website Settings
Cotent	field_id , field_name , 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	orders
Alias	Orders Management
Cotent	order_id , user_id , grand_total , order_status , payment_method , 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

Name	user_role
Alias	User Role
Cotent	user_role_id , user_role_name , user_role_slug , 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	category
Alias	Category Management
Cotent	category_id , category_name , category_description , category_image , 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

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)

Limitations/ Future Enhancement & Opportunities/ Constraints / Restriction & 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.

- www.google.com
- www.w3schools.com
- www.stackoverflow.com

