

# **MediHub ♥ MediRecipe | MediShop (Recipe management and e-commerce system)**



A Project Report Submitted In Partial Fulfillment of the Requirement for the  
Degree in Master of Computer Applications

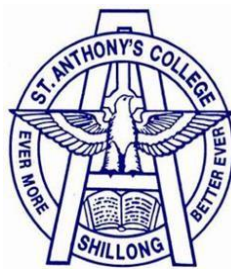
Undertaken at

**Medusind Solution , Shillong Technology Park Umsawli**

By

Paionia Nongsiej,

University Roll No. 21STAMCA021



Department of Computer Science

St. Anthony's College

Shillong

July, 2023





Date: 09th February 2023

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To: **Paionia Nongsiej,**  
Near MEECL, Mawkynioh, Umshing  
Block -1, Umshing,  
East Khasi Hills, Nehu  
Meghalaya – 793002

Dear **Paionia,**

This has reference to your application and subsequent interview you had with us. We are pleased to offer you the position of **Project Trainee** for our **Shillong Office** at the below address. **Medusind Solutions, Shillong Technology park Umsawli, New Shillong, Meghalaya – 793012. Landmark – NIFT Campus.**

The internship period is for 6 months from the DOJ & your stipend for the internship period will be Rs. 15,000/- **(Rupees Fifteen Thousand only)** per month:-

You are required to join the Organization for your internship on or before **09th Feb 2023**. On joining, please hand over copies of your age proof, qualification certificates, three passport-size photographs, cancelled cheque of your personal bank account, and a letter from your institute for enrolling for the internship.- You are required to produce a letter from your Supervisor/Head of Department/Principal/ Institute, indicating your status in the Institution and "No Objection" for allowing you to undergo an Internship program for a period of six months.

On completion of the internship program, your performance will be reviewed by your Supervisor. If the performance is found to be satisfactory, and there are positions vacant for your roles, you will be considered for regular employment with the Company.

You will have to abide by the Company's code of conduct during your internship period.

Kindly sign the duplicate copy of this letter as a token of having received its original and acceptance of the same.

We warmly welcome you and hope that you make this period beneficial. If you are unable to join on the said date, the offer for the internship will stand null and void.

\*Please ensure to bring your Original Documents on the Date of Joining for the verification.

Yours sincerely,

**FOR MEDUSIND SOLUTIONS INDIA PRIVATE LIMITED**

-sd-

**Kranti Munje**

**Chief Human Resources Officer**

Signature Not Verified

Digitally Signed By:  
KRANTI PRASAD MUNJE: U74140MH2001PTC133168  
2023.02.22T16:03:44

[www.medusind.com](http://www.medusind.com)



Department of Computer  
College, Shillong Affiliated to  
University, Shillong



Science, St. Anthony's  
North Eastern Hill

## CERTIFICATE

This is to certify that the project report entitled “**MediHub ♥ MediRecipe | MediShop (Recipe management and e-commerce system)**” is an approved work done by *Ms. Paionia Nongsiej*, 21STAMCA021 in the partial fulfilment of the requirement for the award of the degree of Master of Computer Application under North Eastern Hill University, Shillong from St. Anthony's College, Shillong.

**Dr. Anjan Das**  
**Director, MCA**  
**St. Anthony's College Shillong**  
**793001 Meghalaya**



Department of Computer Science, St. Anthony's College, Shillong Affiliated  
to North Eastern Hill University, Shillong



# **CERTIFICATE**

This is to certify that the Project work titled “**MediHub ♥ MediRecipe | MediShop (Recipe management and e-commerce system)**” bonafide work done by ***Ms. Paionia Nongsiej, North Eastern Hill University, 21STAMCA21***, under my guidance during the sixth semester of the course.

**Internal Guide**

***Dr. Probidita  
Roychoudhury (Head)***  
Associate  
Professor

Project seminar was held on 13th July, 2023, at St. Anthony’s College, Shillong

Date: 13th July, 2023

External Examiner



# **ACKNOWLEDGEMENT**

First of all I want to thank God for His grace and for giving me good health and strength throughout the duration of the project and enabling me to grasp a vast amount of knowledge and wisdom throughout the entire course.

I would like to thank our Director, ***Dr. Anjan Das***, and my teachers for having permitted me to carry out this project.

I also want to extend my gratitude towards my project guide, ***Ms. Probidita Roychoudry*** for her guidance, support, patience, confidence and belief that she had on me throughout the course of the project.

I would also like to thank ***Medusind solution*** for providing me with all the facilities and infrastructure, which I needed, for the completion of the project.

I would also like to express my gratitude towards my external guide, ***Mr. Ajay Pandey (Delivery manager , medusind), my buddy developers Alwina songa and Divya Narkar (tech lead, medusind)*** for assigning me the project and for guiding and supporting me throughout the project.

Finally, I would like to thank everyone who is involved in this project directly or indirectly and for their support, care and encouragement throughout the course of this project.

Paionia Nongsiej  
Roll No: 21STAMCA021  
MCA 4<sup>th</sup> Semester  
St. Anthony's College



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## **INTRODUCTION**

- MediHub is a Admin platform for managing Medirecipe and MediShop
- MediRecipe is a website where users can search their desired recipes along with proper manual and ingredients.
- It allows users to view their favorite recipes.
- MediShop is a platform where users can shop ingredients such as herbs, oils, fruits etc with respect to MediRecipe

## **Client Profile**

**Internship Organisation** : Medusind Solutions India Pvt Ltd

**Address** : Medusind Solutions India Pvt Ltd Shillong Technology Park Umsawli , New Shillong -793012

**Number of Staff** : 3764 (India + US location)

**Organisation Structure** : Medical RCM solution, Medclarity practice management software, Medical Billing, Dental insurance verification, Dental RCM solution, Dental billing service and solution.



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## **Synopsis**

### **Title :**

**MediHub ♥ MediRecipe | MediShop (Recipe management and e-commerce system)**

A Admin platform for recipe cum product management system.

### **Project Developer :**

Paionia Nongsiej  
MCA 6<sup>th</sup> Semester

### **Proposed Development Environment :**

### **Description :**

The main objective of MediHub is to manage MediRecipe and Medishop, MediRecipe has an objective to display recipes that may treat chronic and acute conditions and various ailments and problems such as cardiovascular disease, depression, inflammation, and to boost the immune system. Medishop will display Products with respect to these recipes, resulting in easy access to these recipes.

### **Features :**

Admin:

1. Single Admin Login.
2. Uploading and managing Recipes.
3. Creating different categories for organising products.
4. Uploading and managing Products.
5. View customer profiles



6. Ship items via different shipping companies
7. Viewing orders and updating order status of each customer.

User:

1. View recipes
2. Shop herbs, oils, etc

## **System Study**

### **Existing Systems analysed :**

#### **1. Serious Eats:**

Serious Eats is a food and drink website visited by a lot of hungry readers every month. Their audience visits for rigorously tested recipes, science-driven cooking techniques, robust equipment reviews, and stories that offer cultural and historical context to the foods we love to eat.

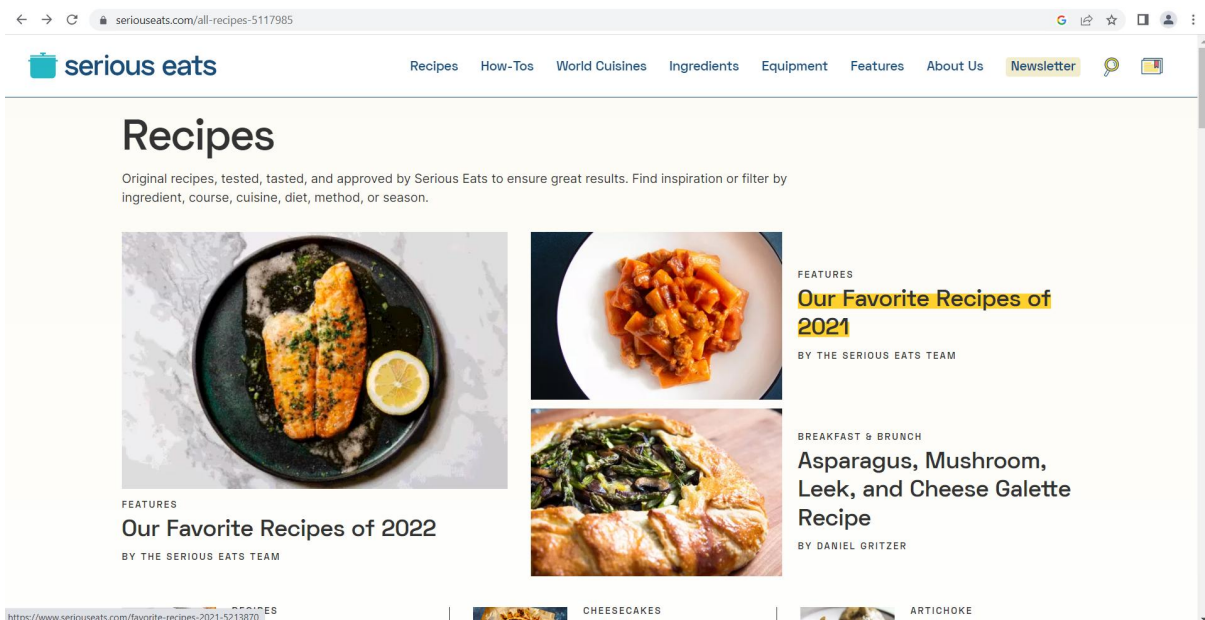
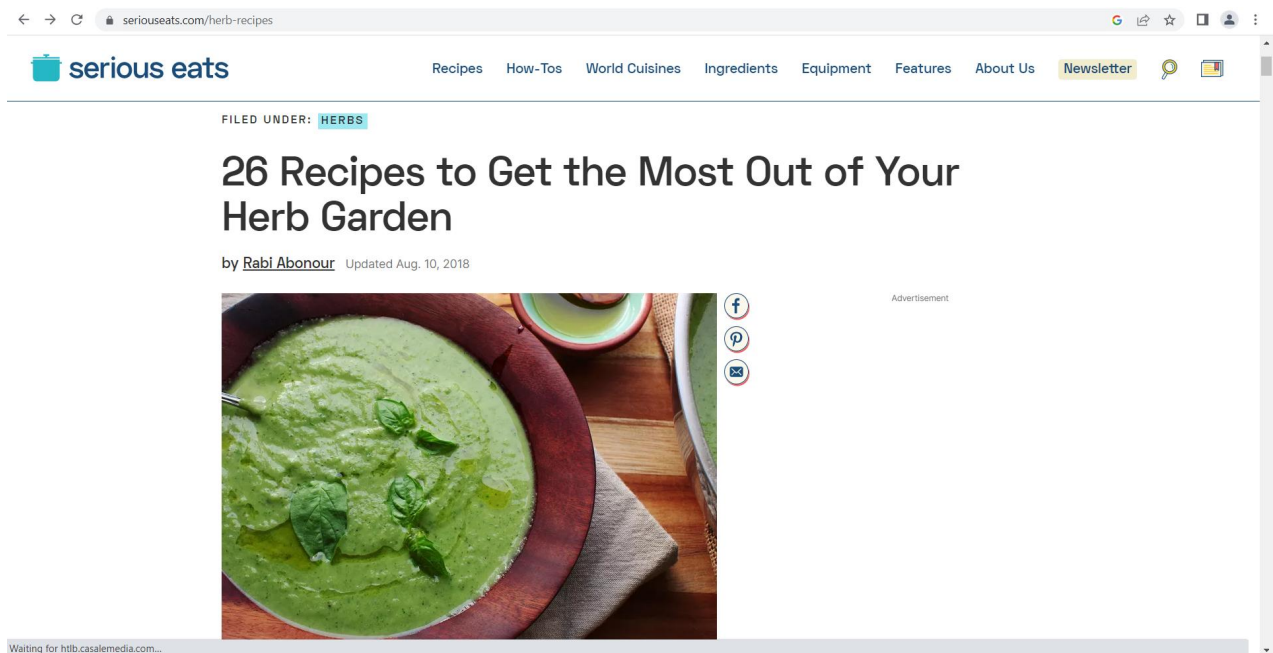
Since it was founded in 2006, Serious Eats's editorial staff and contributors have included recipe developers, practiced home cooks, professional chefs, scientists, historians, journalists, photographers, novelists, and more.

Members of our editorial team come from publications like *America's Test Kitchen*, *Food & Wine*, *The New York Times*, and *Saveur*; most have also worked in the restaurant industry and/or attended culinary school. Across the board, they're a group of passionate, opinionated food enthusiasts with a drive to dive deep, get things right, and do justice to any topic they take on.

### **SYSTEM FEATURES :**

- view recipes by categories
- view recipe instructions
- view ingredient guides and equipments
- view cuisines
- newsletter subscription
- search recipes

### **screenshots:**



## 2. Feasting at Home:

Feasting at Home is a whole foods recipe blog with hundreds of seasonal, plant-rich, globally-inspired, whole-food recipes. My hope is that this website will be a resource to inspire you to create your own simple healthy feasts at home and with others.

Owned by **Sylvia Fountaine**, a professional chef, former [restaurant owner](#), and [caterer](#), recently turned full-time blogger, based in the Pacific Northwest, and here is where you'll find *hundreds of seasonal, plant-rich, globally-inspired, whole-food recipes*.



Her page consist of:

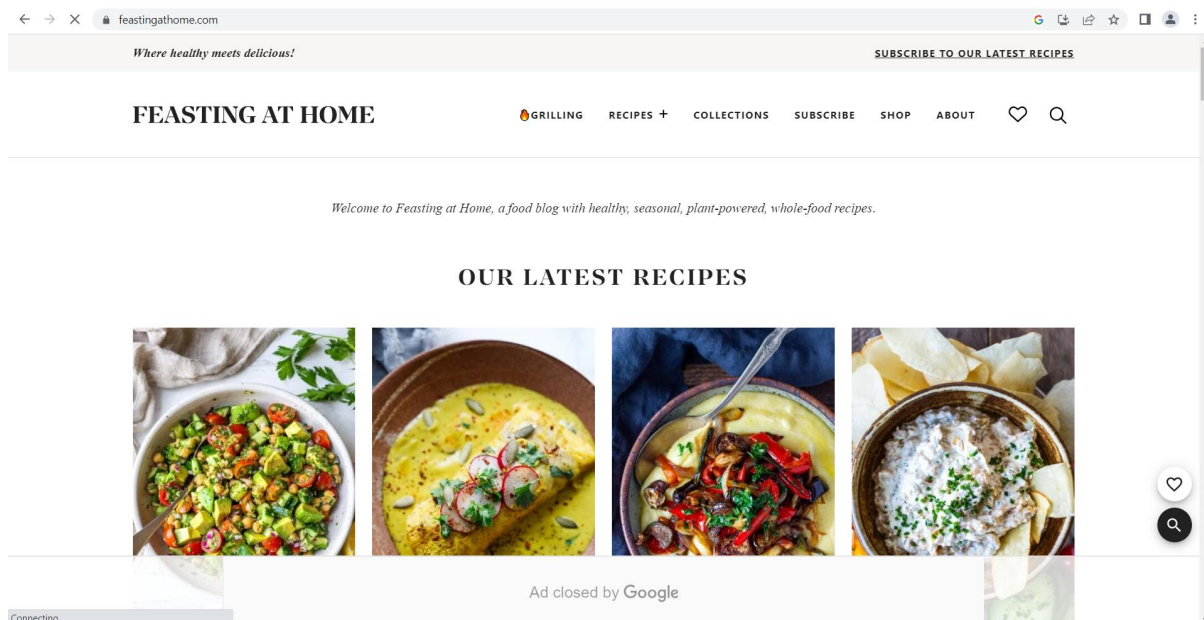
**ADAPTABLE RECIPES:** With so many mixed households – vegans and meat-eaters – both living under the same roof, cooking can get so complicated. So I’ve started creating “adaptable” recipes to help make cooking easier (one meal, two ways) and hopefully enjoyable again. For more of these kinds of recipes – visit the “Adaptable” category.

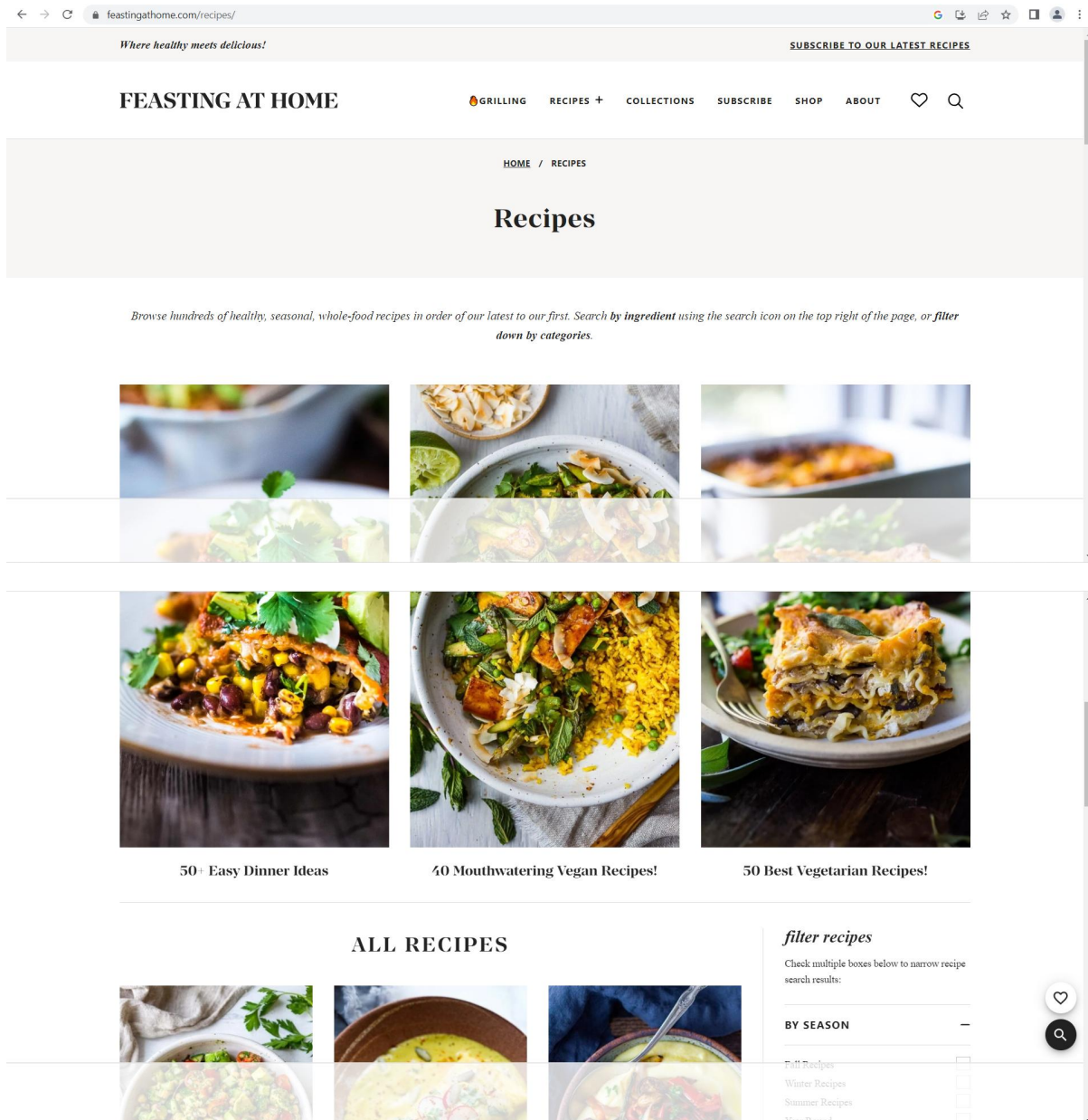
**HEALTHY EASY DINNERS:** Most of you have shared how short on time you are. I get it. Most of the recipes here in the last few years are geared towards you! Time-saving, healthy recipes that can be on the table in 30 minutes or need very little hands-on time. I created a category just for you “Fast and Easy Dinner Ideas”

## SYSTEM FEATURES :

- View recipes
- View collections of recipes
- Shop equipments
- Newsletter subscription
- Search recipes

## screenshots:





## Proposed System :

### MediHub ♥ MediRecipe | MediShop (Recipe management and e-commerce system)

MediHub celebrates the magic and medicine of real foods like bone broth, seasonal fruits and vegetables, medicinal herbs, fermented vegetables and drinks, sourdough, healthy fats, naturally sweetened desserts, raw milk, and ancient grains.

We inform and empower this vibrant community of cooks, giving them the tools they need to make educated choices about the things that matter most - food, health, and family. And we embrace the challenges inherent in the effort to eat better with simple recipes, time-saving tips, and evidence-based recommendations.

Our mission is to bring these nutrient-dense foods back to the dinner table and to help families cook healthy, healing meals they love.

## **SYSTEM FEATURES :**

### **Admin:**

- Add, update, track and remove recipes
- Add categories and organize products according to the categories
- Add, update, track and remove Products
- View customers registered to the website
- Register shippers and shipping rates
- Ship products via different shipping companies
- Track orders and assign shippers to said orders

### **Customer:**

Above mentioned features will be implemented for the customers UI, some of which includes:

- View recipes
- Shopping Products and Equipment

## **Comparison Study**

<b>Features</b>	<b>Serious eats</b>	<b>Feasting at home</b>	<b>MediHub</b>
User register/login	✗	✓	✓
Admin login	✗	✗	✓
Add, Update and delete recipe	unknown	unknown	✓



Add, Update and delete products	unknown	unknown	✓
Shop products and equipment	✗	✓	✓

## **FEASIBILITY STUDY**

### **Economic Feasibility**

- Economic Feasibility: This website is an open source it can be easily available and is free of cost. so we can say that this project is economically feasible.

### **Behavioral Feasibility**

- Behavioral Feasibility: This application is easy to use and does not require any training to learn the working of this application.

### **Schedule Feasibility**

- Schedule Feasibility: The deadline for the strategy, plan and process regarding the development of this project is realistic and achievable, hence it is schedule feasible

### **Technical feasibility:**

- The hardware and software requirement for this project is very minimal and available in most devices these days.
- It does not require high performance processor

## **USER REQUIREMENT**

### **Software requirement**

<b>USER</b>
Browser with stable Internet Connection



<b>DEVELOPER</b>	
IDE	Visual studio 2019
framework	ASP.NET
Language	HTML,CSS,javascript, C#
Database	SQL server management studio
Operating system	Windows 10

### **Hardware Requirement**

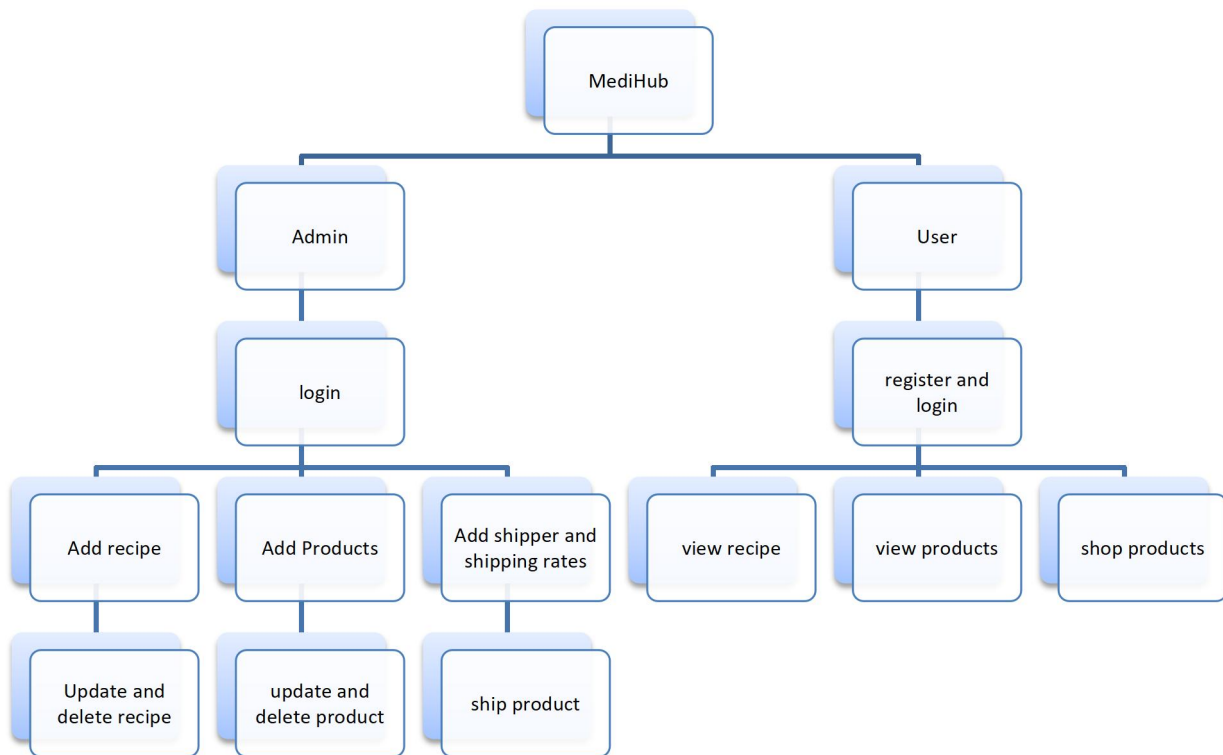
<b>User</b>	
processor	Intel core i3
RAM	2GB or greater
Screen resolution	At least 640 x 480

<b>Developer</b>	
processor	Intel core i3
RAM	8GB
Screen resolution	At least 640 x 480
Operating system	Windows 10 pro (64 bit)

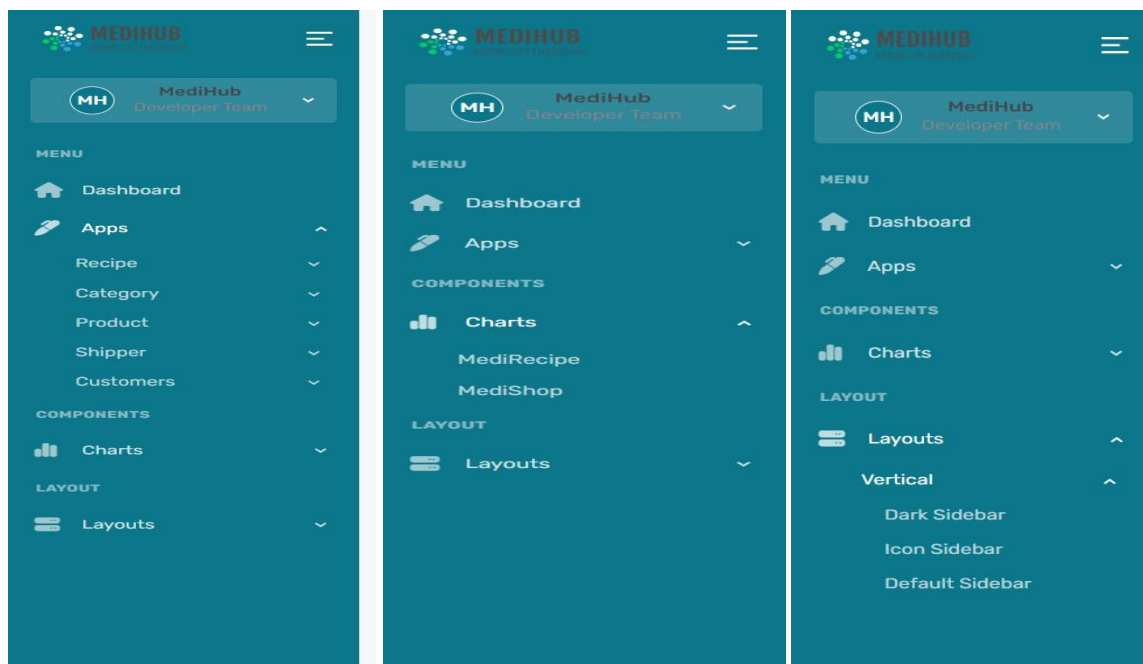
### **MODULE DESIGN**





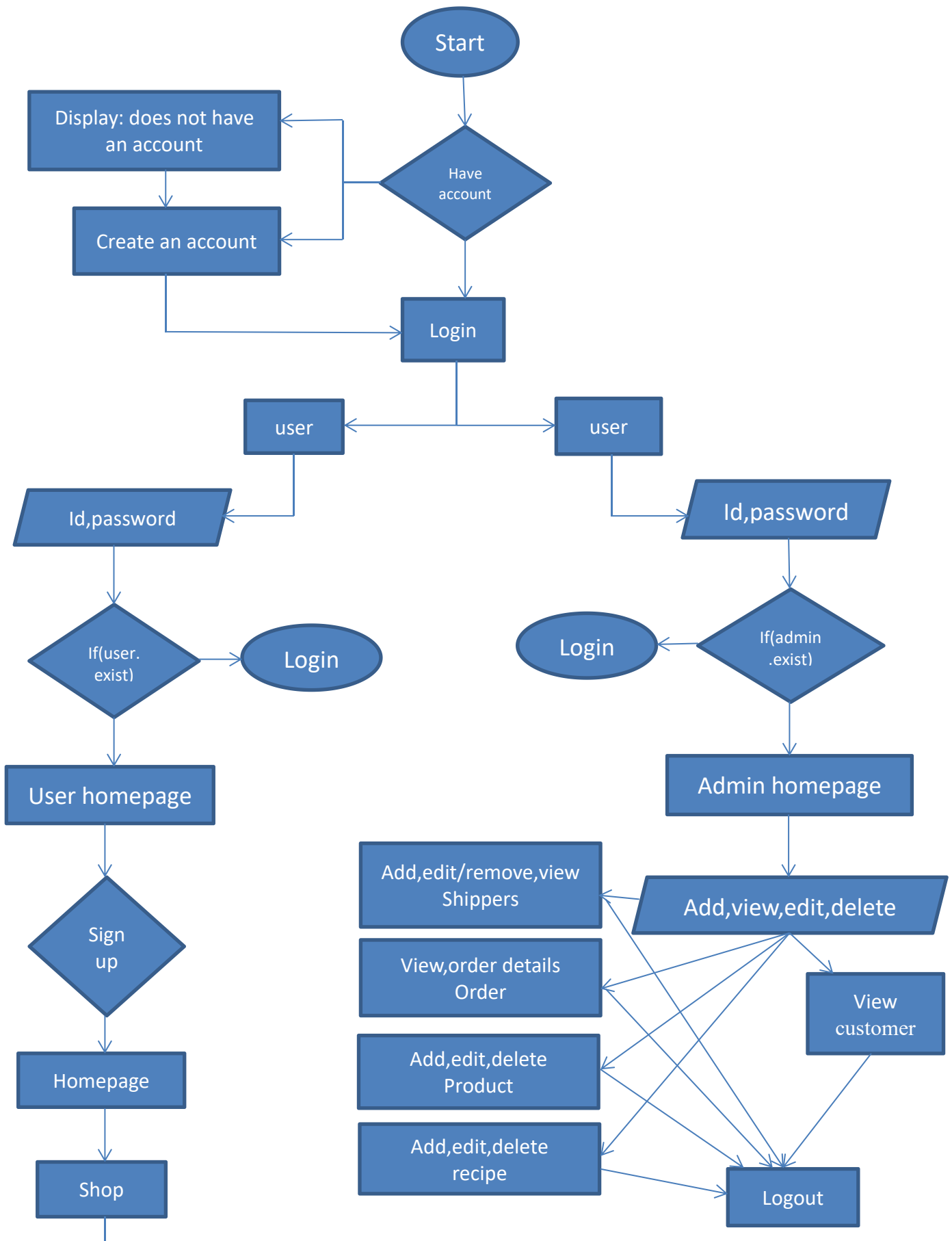


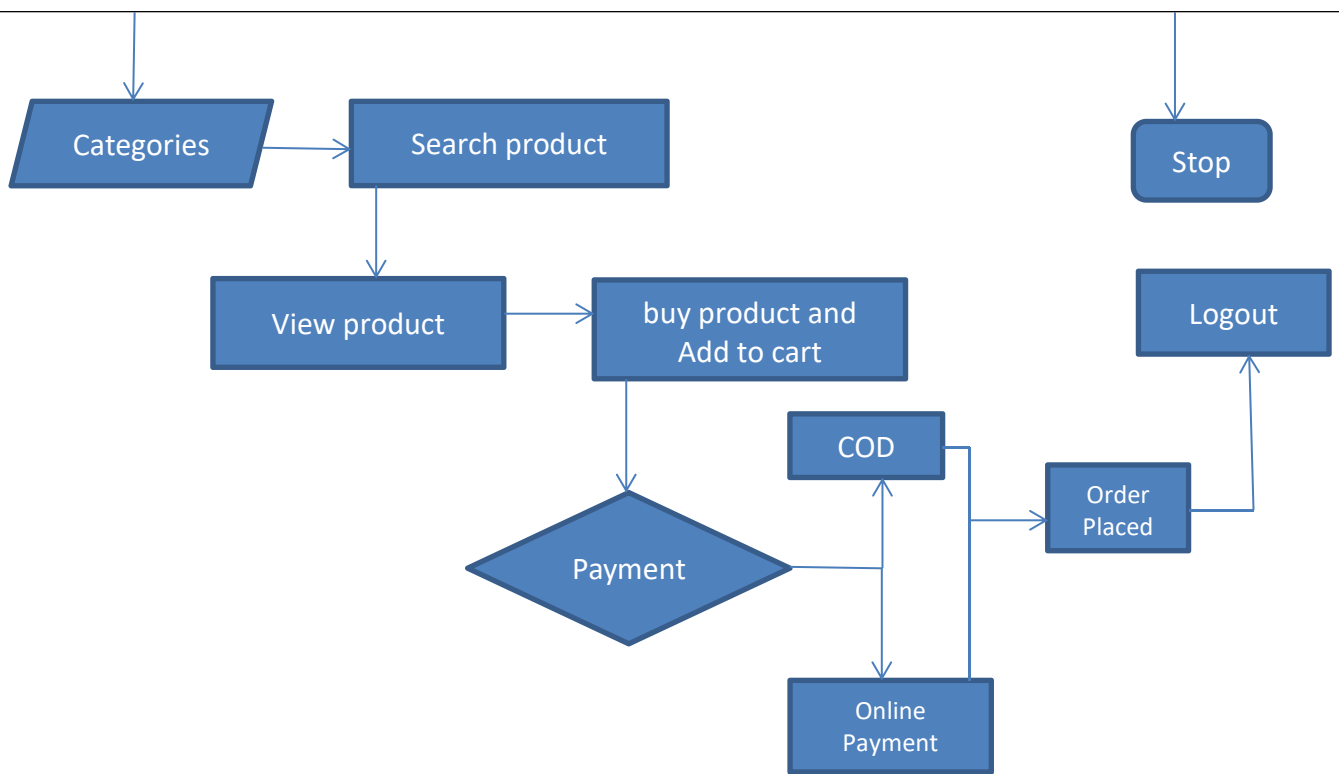
## MENU DESIGN





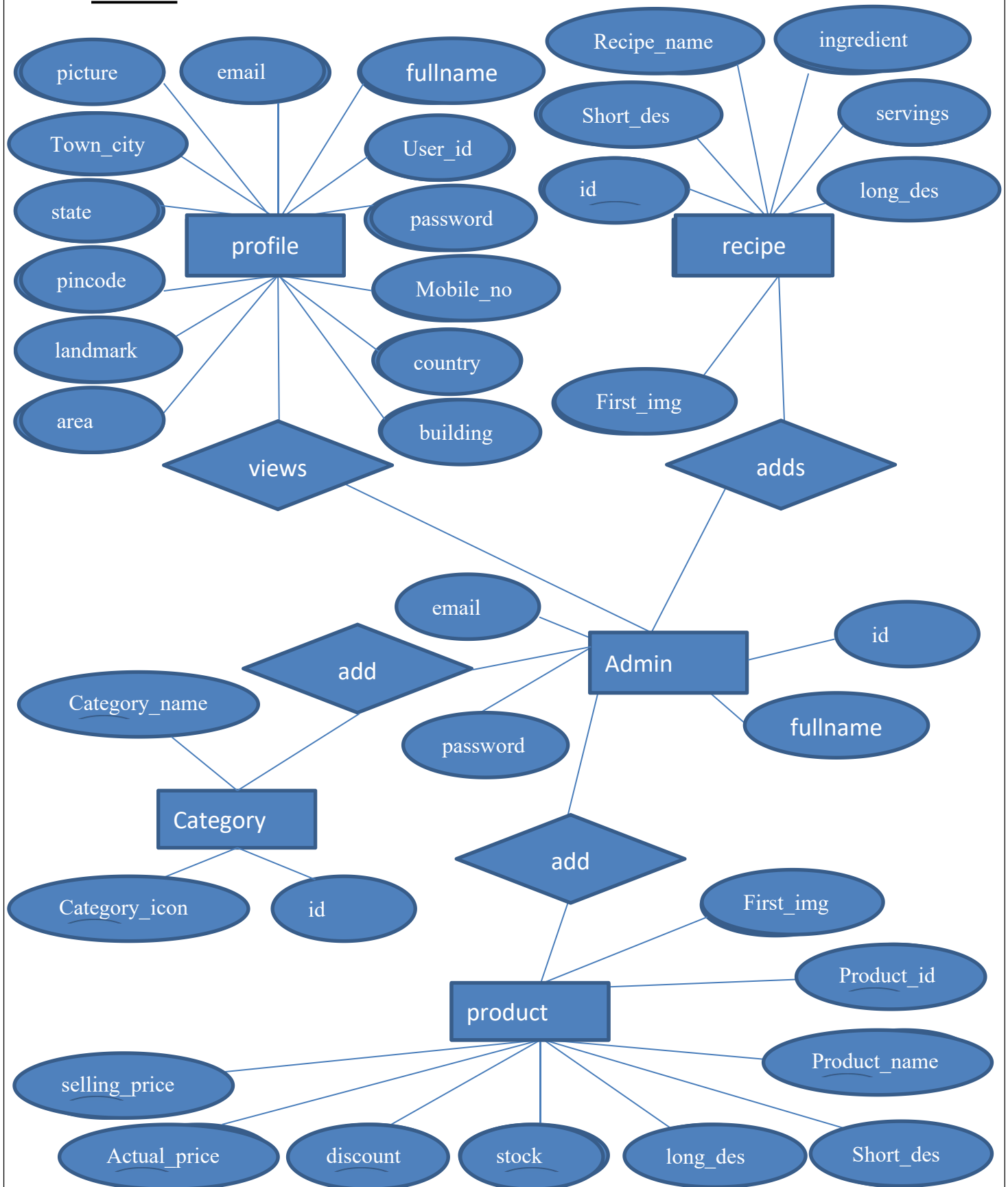
## Data flow diagram



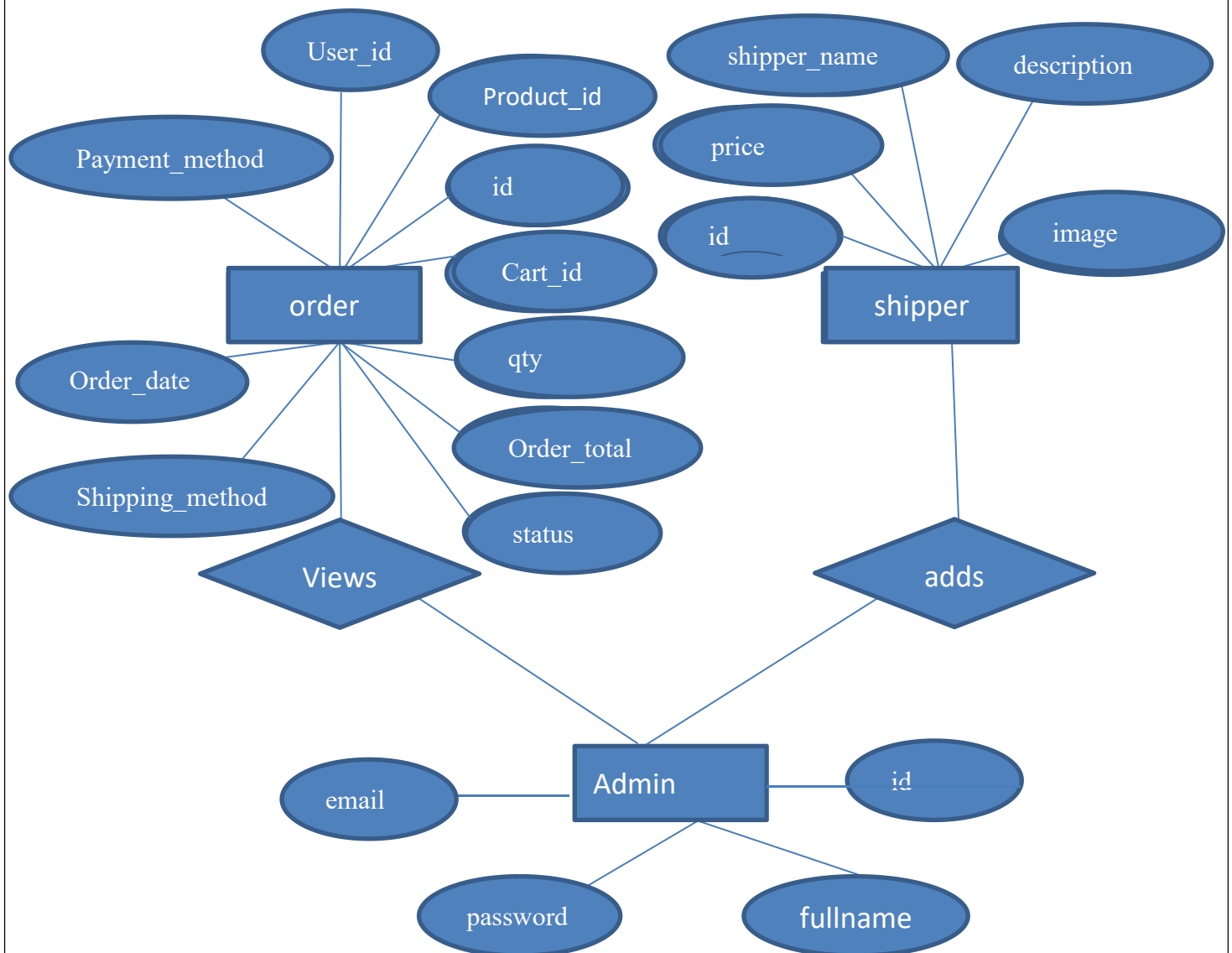


## Entity Relationship Diagram

### Admin



Continue..



## **DATABASE TABLE DESIGN**

### **ENTITIES :**

- userRegLogin
- profile
- product
- recipe
- category
- shipper
- PrOrder
- Cart
- payment

<b>UserRegLogin</b>			
<b>Column_name</b>	<b>Datatype</b>	<b>Constraint</b>	<b>Description</b>
<b>Uid</b>	int	identity(1,1) primary key not null	Unique id
fullname	Varchar(100)	Not null	Name
email	Varchar(100)	Not null	Stores the Email id
password	Varchar(100)	Not null	Stores the password

**UserRegLogin is used for storing admin login credentials**

<b>profile</b>			
<b>Column_name</b>	<b>Datatype</b>	<b>Constraint</b>	<b>Description</b>
<b>User_id</b>	int	identity(1,1) primary key not null	Unique id
email	Varchar(100)	Not null	Stores the Emailid



password	Varchar(100)	Not null	Stores the password
fullname	Varchar(100)	Not null	Stores the name
Mobile_no	int	Not null	Stores contact number
country	Varchar(100)	Null	address
building	Varchar(100)	Null	address
area	Varchar(100)	Null	address
Landmark	Varchar(100)	Null	address
Pincode	Varchar(100)	Null	address
Town_city	Varchar(100)	Null	address
State	Varchar(100)	Null	address
Picture	Varchar(500)	Null	profile picture

**Profile is used for storing user login credentials and personal details**

Category			
Column_name	Datatype	Constraint	Description
id	int	identity(1,1) primary key not null	Unique id
Category_name	Varchar(100)	Not Null	Stores the category name
Category_icon	Varchar(500)	Not Null	Stores the category icon

**Category is used for storing various categories**



Product			
Column_name	Datatype	Constraint	Description
<b>Product_id</b>	int	identity(1,1) primary key not null	Unique id
id	int	Foreign key	REFERENCES category(id)
Product_name	Varchar(100)	Not null	Stores product name
Short_des	Varchar(100)	Not null	Stores caption
Long des	Varchar(1000)	Not null	Stores the description
Discount	int	Not null	Stores the discount rate
Stock	int	Not null	Stores the number of products available
Actual_price	int	Not null	Stores the price
Selling price	int	Not null	Stores the price after disccount
First_img	Varchar(500)	Not null	Stores product image

**product is used for storing products based on categories**

Recipe			
Column_name	Datatype	Constraint	Description
<b>recipe_id</b>	int	identity(1,1) primary key not null	Unique id



recipe_name	Varchar(100)	Not null	Stores recipe name
Short_des	Varchar(100)	Not null	Stores caption
Long des	Varchar(1000)	Not null	Stores the description
servings	int	Not null	Stores number of servings
ingredients	Varchar(100)	Not null	Stores ingredient list
First_img	Varchar(100)	Not null	Stores recipe image

**recipe is used for storing recipes**

Shipper			
Column_name	Datatype	Constraint	Description
shipper_id	int	identity(1,1) primary key not null	Unique id
Shipper_name	Varchar(100)	Not null	Stores shipping company name
description	Varchar(1000)	Not null	Stores the description
price	int	Not null	Stores standard shipping price
image	Varchar(500)	Not null	Stores shipping company logo





**Shipper is used for storing shipping company details along with the standard shipping price**

<b>PrOrder</b>			
<b>Column_name</b>	<b>Datatype</b>	<b>Constraint</b>	<b>Description</b>
<b>Order_id</b>	int	identity(1,1) primary key not null	Unique id
<b>User_id</b>	int	Foreign key	Reference profile(user_id)
<b>Product_id</b>	int	Foreign key	Reference product(product_id)
<b>Cart_id</b>	int	Foreign key	Reference cart(id)
<b>Payment_id</b>	int	Foreign key	Reference payment(id)
<b>Shipper_id</b>	int	Foreign key	Reference shipper(shipper_id)
<b>Order_total</b>	int	Not null	Total price of order
<b>qty</b>	int	Not null	Total quantity of order
<b>Status</b>	Varchar(100)	Not null	Order status

**PrOrder is used to store the orders and track order status.**

<b>Cart</b>			
<b>Column_name</b>	<b>Datatype</b>	<b>Constraint</b>	<b>Description</b>
<b>cart_id</b>	int	identity(1,1) primary key not	Unique id



		null	
Product_id	int	Foreign key	Reference product(product_id)
qty	int	Not null	Product quantity
User_id	int	Foreign key	Reference profile(user_id)

**Cart is used to store the number of products for checkout.**

Payment			
Column_name	Datatype	Constraint	Description
payment_id	int	identity(1,1) primary key not null	Unique id
id	int	Foreign key	References PrOrder(id)
Payment_method	Varchar(100)	Not null	Stores payment method
Transaction_id	int	Not null	Stores current transaction id
Payment_status	Varchar(100)	Not null	Stores status
Payment_date	date	Not null	Stores date when payment was done

### **Database Schema Design**



UserRegLogin
Uid
fullname
email
password

Product
Product_id
id
Product_name
Short_des
Long des
Discount
Stock
Actual_price
Selling price
First_img

Category
id
Category_name
Category_icon

Shipper
shipper_id
Shipper_name
description
price
image

Product
payment_id
id
Payment_method
Transaction_id
Payment_status
Payment_date

Recipe
recipe_id
recipe_name
Short_des
Long des
servings
ingredients
First_img

PrOrder
Order_id
User_id
Product_id
Cart_id
Payment_id
Shipper_id
Order_total
qty
Status

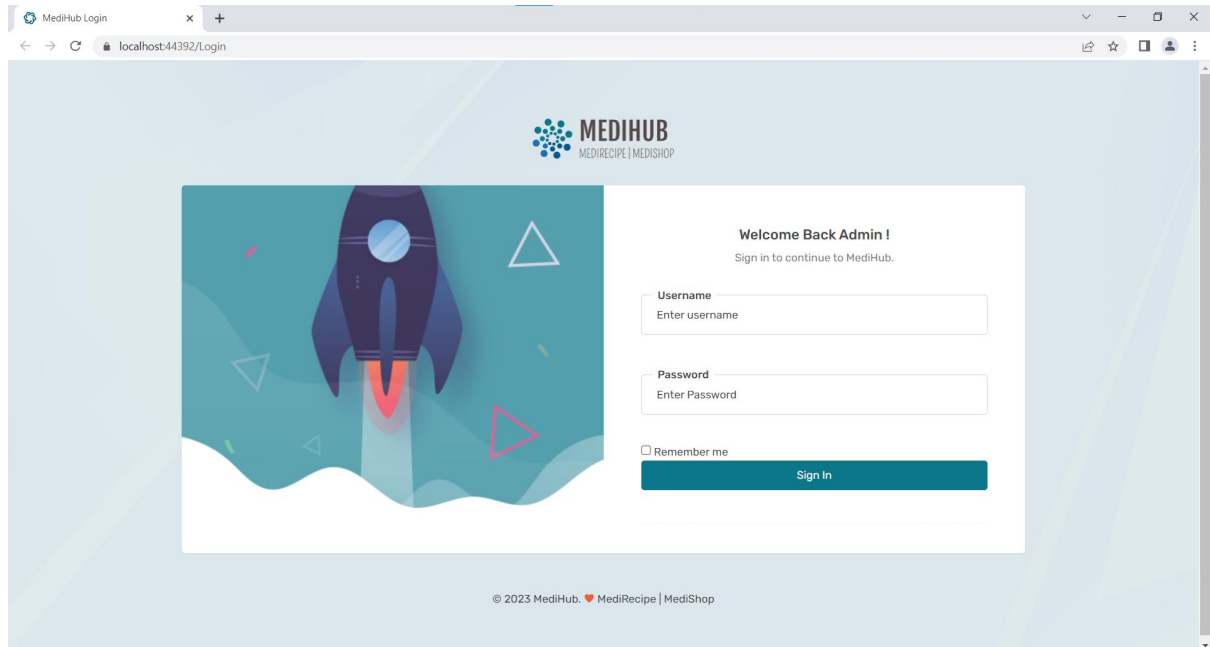
Profile
User_id
email
password
fullname
Mobile_no
country
building
area
Landmark
Pincode
Town_city
State
Picture

Cart
cart_id
Product_id
qty
User_id



## INPUT/OUTPUT SCREEN

### LOGIN:

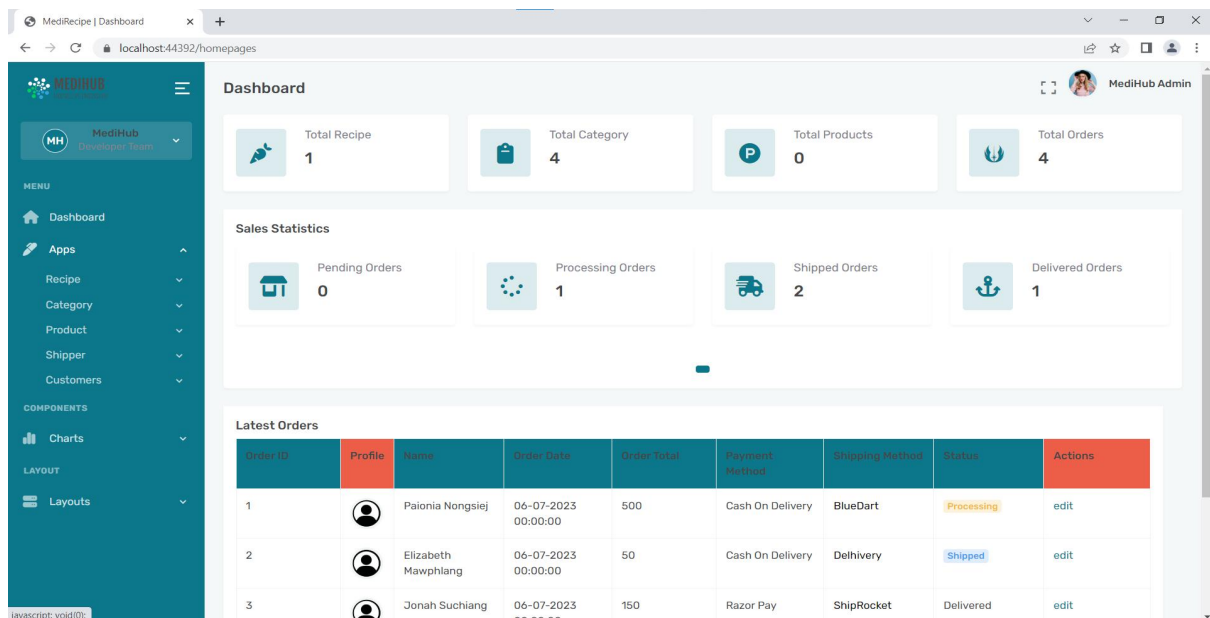


A screenshot of the MediHub login page. The browser address bar shows 'localhost:44392/Login'. The page features a rocket launch illustration on the left. On the right, there is a login form with the following elements:

- Header: **WELCOME BACK ADMIN !**  
Sign in to continue to MediHub.
- Username field: Labeled 'Username', with placeholder text 'Enter username'.
- Password field: Labeled 'Password', with placeholder text 'Enter Password'.
- Remember me checkbox: Labeled 'Remember me'.
- Sign In button: A dark blue button with the text 'Sign In'.

At the bottom of the page, the copyright notice reads: © 2023 MediHub. MediRecipe | MediShop.

### DASHBOARD:



A screenshot of the MediHub dashboard. The browser address bar shows 'localhost:44392/homepages'. The dashboard includes a sidebar menu, a top navigation bar, and a main content area with various widgets.

**Dashboard Summary:**

- Total Recipe: 1
- Total Category: 4
- Total Products: 0
- Total Orders: 4

**Sales Statistics:**

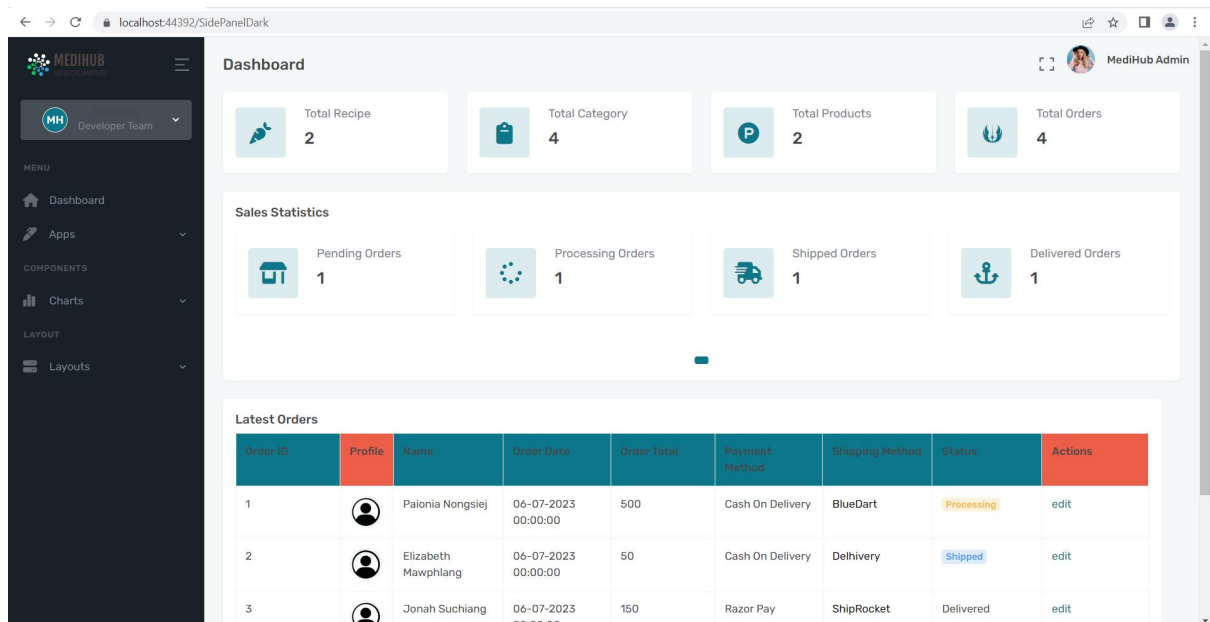
- Pending Orders: 0
- Processing Orders: 1
- Shipped Orders: 2
- Delivered Orders: 1

**Latest Orders Table:**

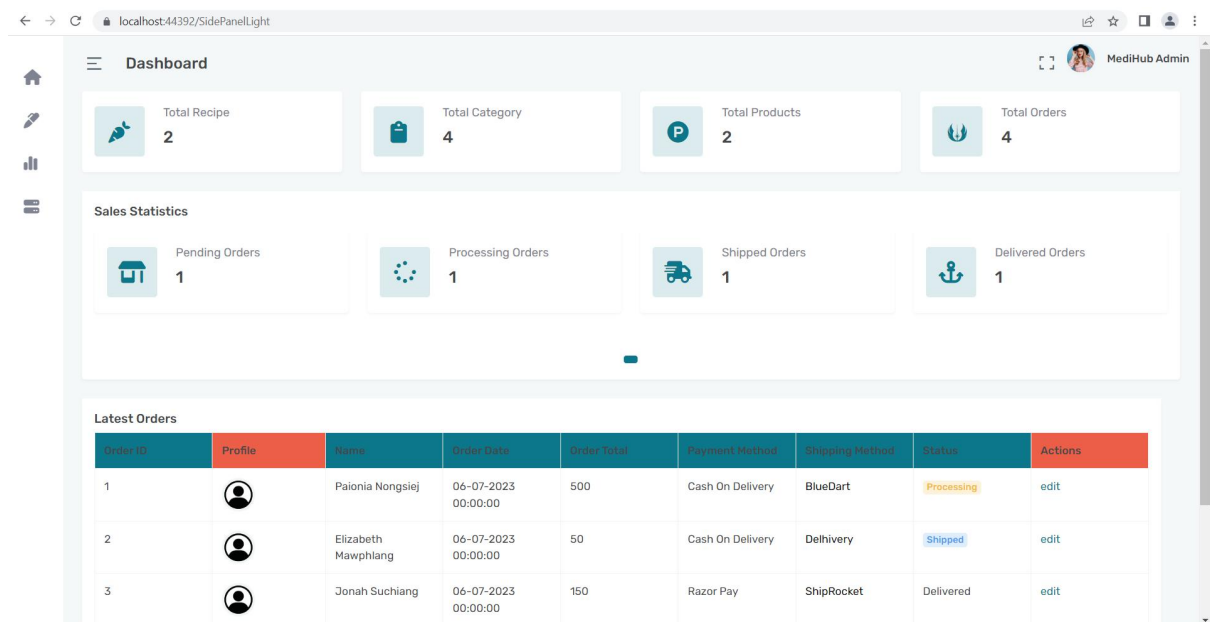
Order ID	Profile	Name	Order Date	Order Total	Payment Method	Shipping Method	Status	Actions
1		Paionia Nongsiej	06-07-2023 00:00:00	500	Cash On Delivery	BlueDart	Processing	edit
2		Elizabeth Mawphlang	06-07-2023 00:00:00	50	Cash On Delivery	Delhivery	Shipped	edit
3		Jonah Suchiang	06-07-2023 00:00:00	150	Razor Pay	ShipRocket	Delivered	edit

### DARK LAYOUT





## ICON LAYOUT



## ADD PRODUCT

MediRecipe | Add Product

localhost:44392/ProductAdd

MH

MediHub

Developer Team

Dashboard

Apps

Charts

Layouts

Total Recipe

1

Total Category

4

Total Products

0

Total Orders

4

Add Product

Product Name

Product name...

Caption

short line about the product

Product Description

detail description

upload image

Choose File

No file chosen

Actual Price

Discount

Selling Price

## VIEW PRODUCT

localhost:44392/ProductList

MH

MediHub

Developer Team

Dashboard

Apps

Charts

Layouts

Total Recipe

1

Total Category

4

Total Products

2


Total Orders

4

Product List

Search

Export


Product Id	Name	caption	Description	Discount	Actual Price	Selling Price	Stock	Product Image	Action
2	Wood Cold Pressed Coconut Oil	We bottled up an all-rounder	Made from fresh coconuts of Tamil Nadu, our coconut oil will add an exotic touch to all your dishes. Undergoing the no-heat process ensures that its contents remain pure and untouched. This multitasker oil is packed with essential nutrients and is ideal for	20	780	572	20		<div>Edit</div> <div>Delete</div>

Olive-oil-5L-F.jpg

Show all

## ADD SHIPPER

Page | 30



← → ↻ localhost:44392/ShipperAdd

MH

MediHub

Developer Team

Dashboard

Apps

Charts

Layouts

### Dashboard

MediHub Admin

#### Add Shipper

Shipper Name

Shipping Price

Description

upload image

## VIEW SHIPPER

← → ↻ localhost:44392/ShipperList

MH

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Dashboard

Apps

Charts

Layouts

### Dashboard

MediHub Admin

Total Recipe

1

Total Category

4

Total Products

2

Total Orders

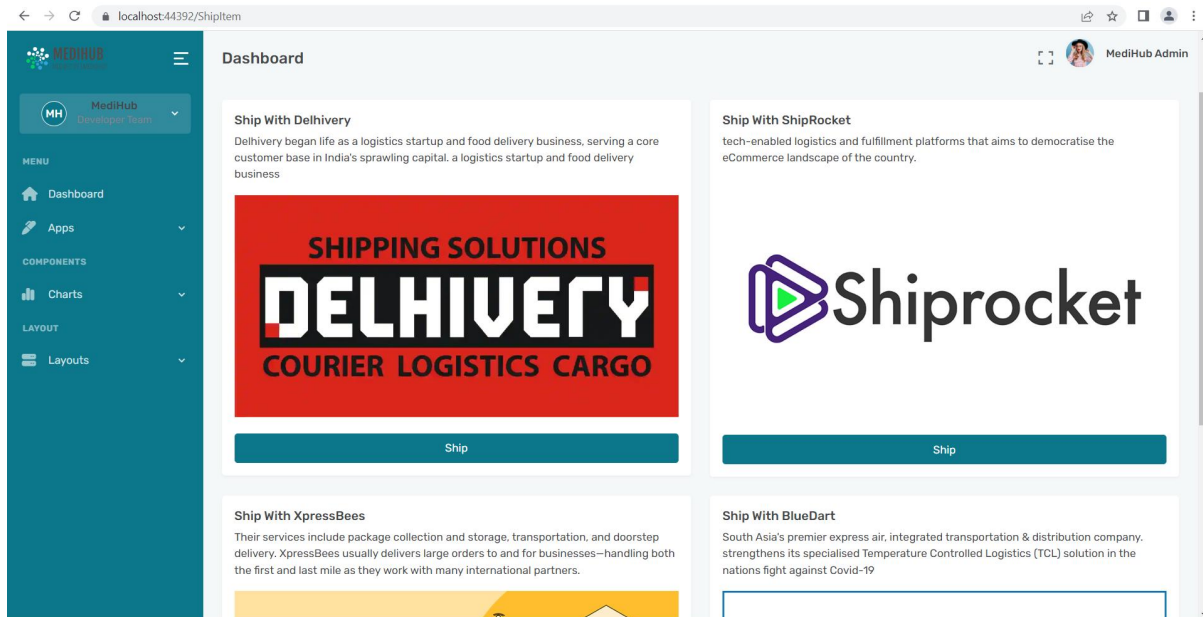
4

#### Shippers List

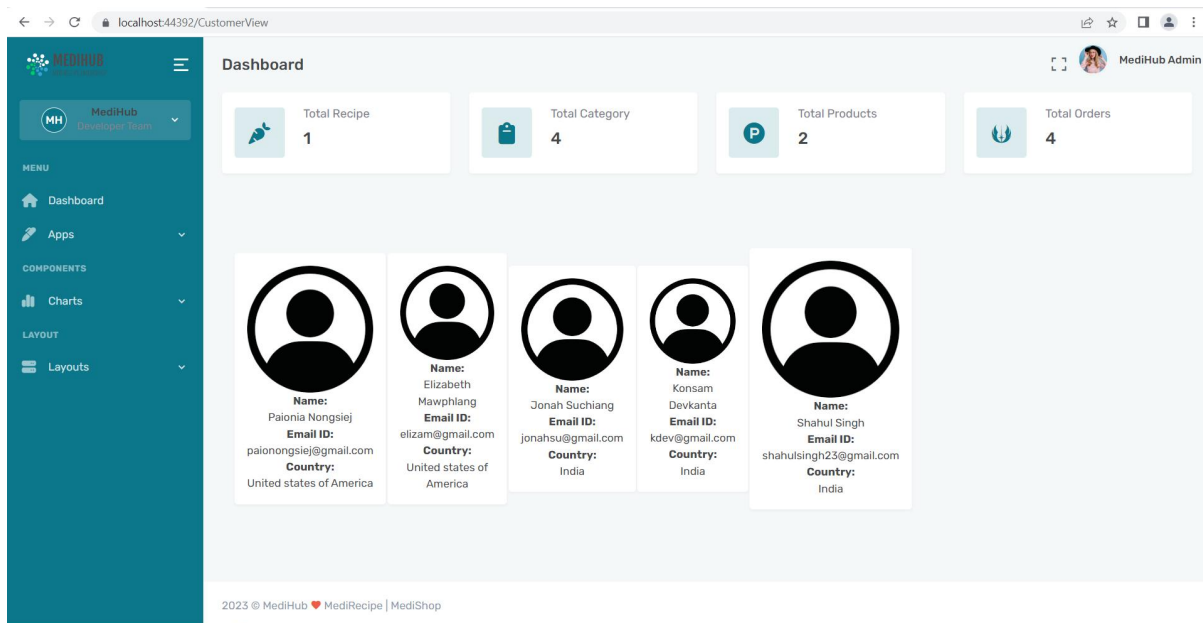
ID	Image	Name	Price
1		Delhivery	99
2		ShipRocket	99
3		BlueDart	99
4		Xpressbee	99

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## SHIP PRODUCTS

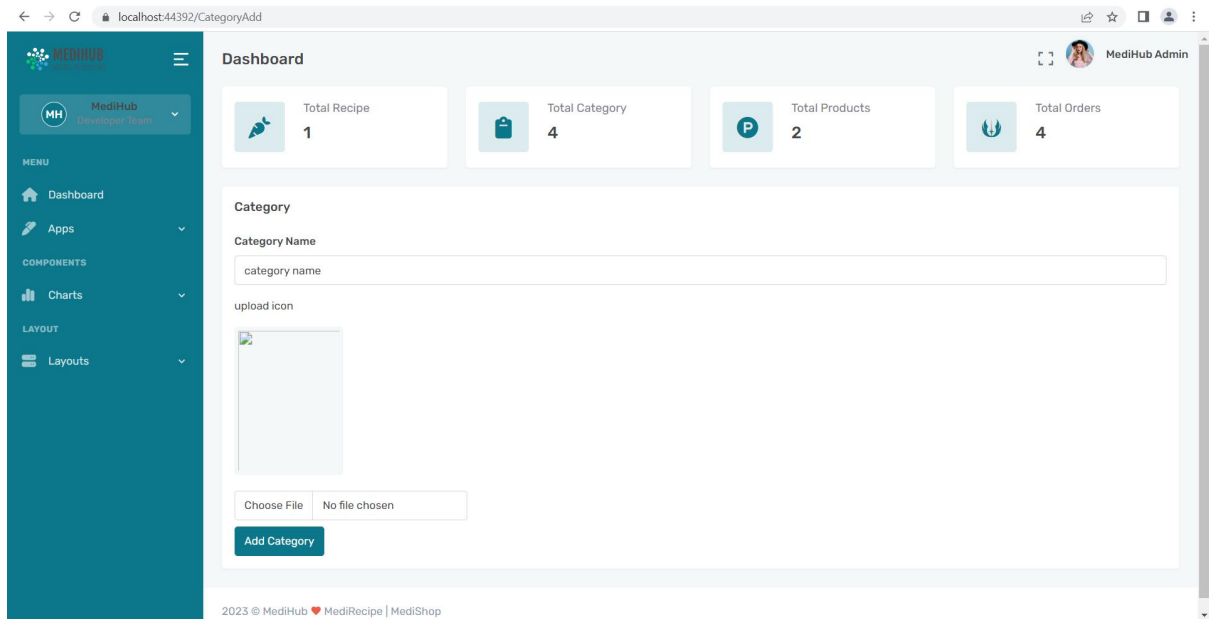


## REGISTERED CUSTOMER LIST

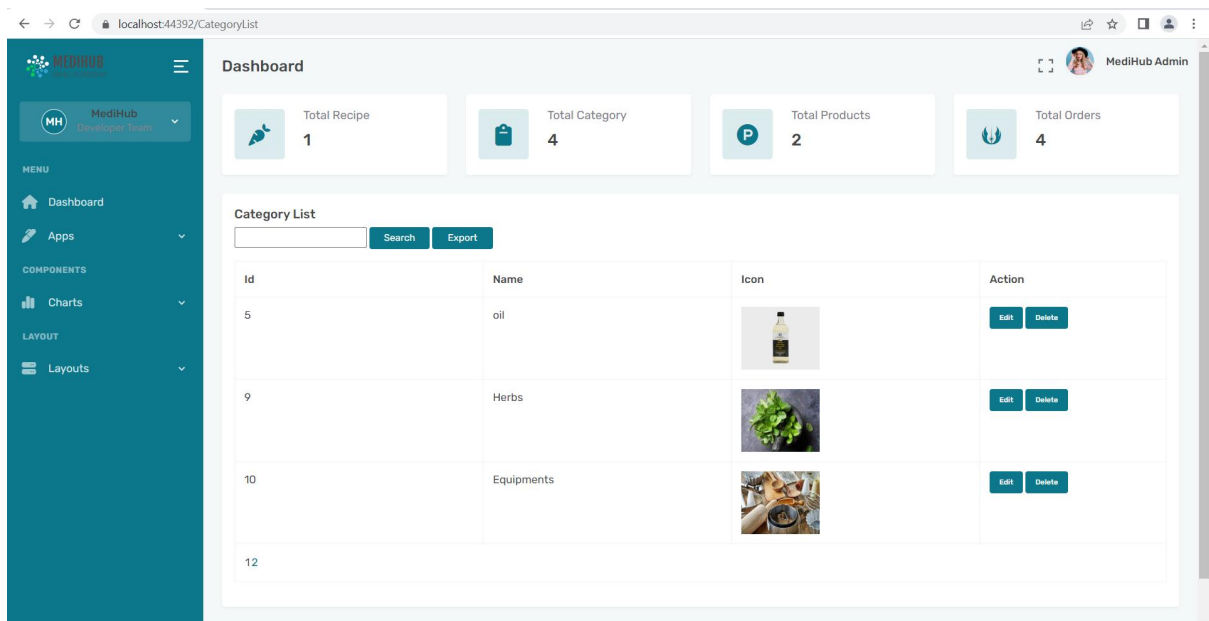


## ADD CATEGORY





## VIEW CATEGORY



## ADD RECIPES



## **FUTURE ENHANCEMENT**

Some additional features that can be incorporated into the web application in the future are as follows :

- **Charts :** Charts will enable us to visually compare multiple sets of data with respect to sales, products, recipes etc.
- **Multiple product/recipe images**

## **CONCLUSION**

This project was built to allow Admin user to access customer information, order Details much easily and to provide an interface to add products, recipe, categories and shippers.

This project has indeed provided me with a great amount of knowledge and experience but most importantly it was through the help and support of many. Finally, I would like to state that I will continue with the development of the project so that it may further serve many people in the future.



## **Bibliography**

### Websites:

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### Training:

- Asp.net c# training by Banurekha
- C# mvc training by Banurekha