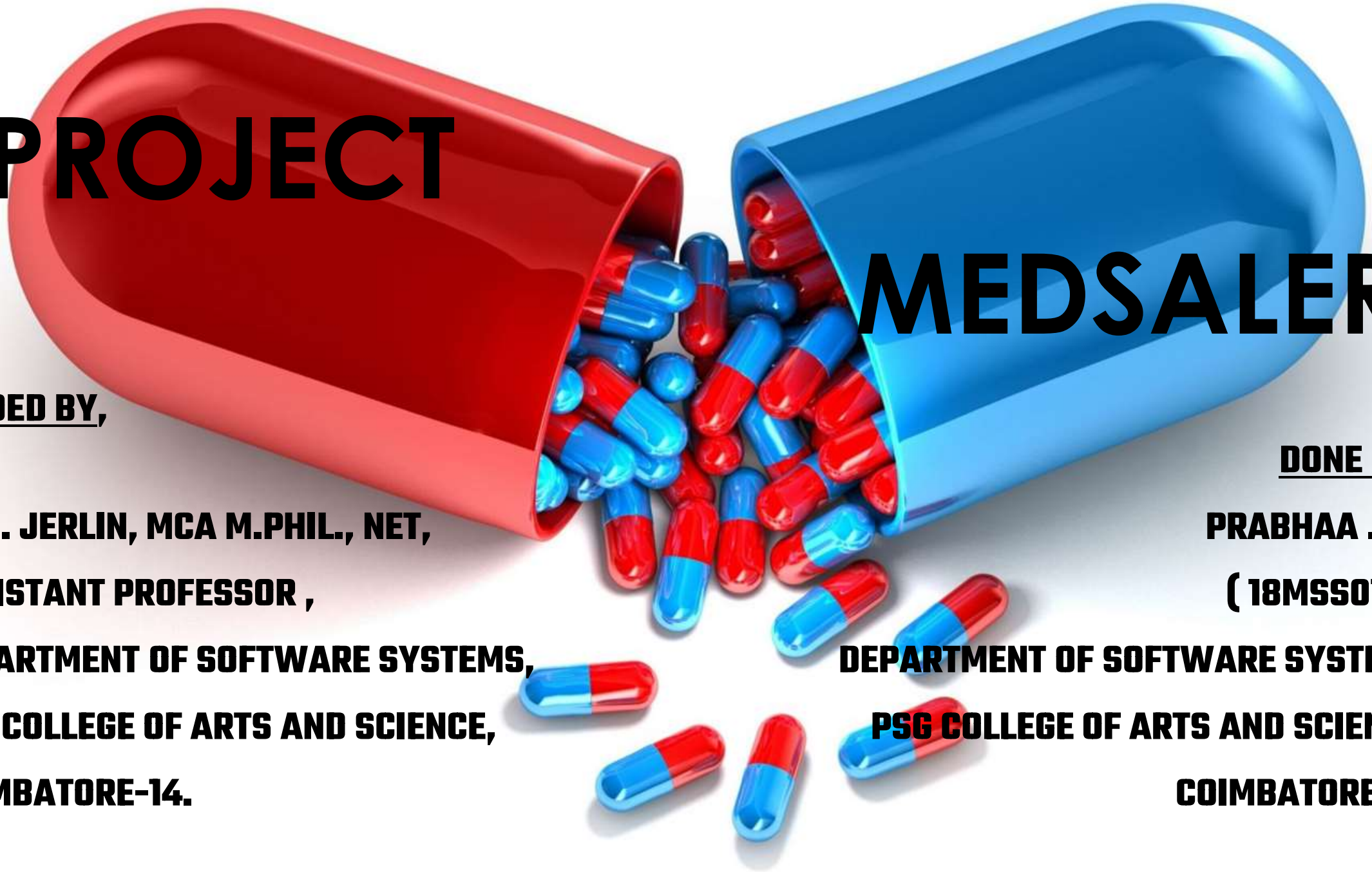
PROJECT

MEDSALERT



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1. ABSTRACT

- The ANDROID project "MEDSALERT" is an implementation of a life science project that helps to find the nearby medical shop of user's emergency medicine using Geo - Fence Sensor.
- A Geo-Fence could be dynamically generated-as in a radius around a point location, or a Geo-Fence can be a predefined set of boundaries.
- The Geo - Fence sensors will find the user's current location and list out medical shops in their determined Geo - Fence location.
- The medical shop owner need to update their medicines, quantity and dosage along with their shop location.
- In this project we also have the navigation options or Online delivery options for purchasing with Cash on Delivery .
- The major tools in this project involve using Android tools with Java programming for developing applications on Android Studio as Front - end , worked on Windows Operating System , integrated by Php as Back - end Server and MySql as Database Back - end.

2. SYSTEM SPECIFICATION

2.1 HARDWARE SPECIFICATION SPECIFICATION

- Processor : Intel Core I3
- Hard disk : 500 GB
- Ram : 4GB
- Keyboard keys : 104 Standard
- Mouse : Optimal Mouse

2.2 SOFTWARE

- Operating Systems : Windows 10
- Front End Software : ANDROID 4.0
- Back End Database : MySQL 8.0
- Server Side Script : PHP 8.0
- IDE : Android Studio, Visual Studio Code

3. MODULES…

- ADMIN MODULE
- MEDICAL STORE REGISTRATION AND LOGIN MODULE
- USER REGISTRATION AND LOGIN MODULE
- PAYMENT MODULE

3.1 MODULES

DESCRIPTION

MODULE 1

ADMIN MODULE

In this module admin check after all details about medical shop list and the user list and also transaction history and Admin have an authority to block the medical shop who will be fake. In user list admin have history of person who is using this application.

REPORT MODULE

This module is for generating reports for different aspects the admin will get the report for overall medicine transaction that is user medical history and the medical shop sales history

MODULE 2

MEDICAL STORE REGISTRATION AND LOGIN MODULE

In this module medical shop will enter the details of the medical shop like medical shop name, address etc…

UPLOADING MEDICAL DATA MODULE

Multiple medical shops can use this app but each shop must create a separate login for themselves along with the have set their shop location on Google maps and should give the contact details such as address, phone number , email id of the shop. Once this has been completed the shop representative must update the list of medical stock details in this app so that the customer can search and order the medicine.

MODULE 3

USER REGISTRATION AND LOGIN MODULE

In this module user will register in this app by giving their detail with phone number, user name and password and then login into it. Login page will redirect to Google map page and user can also view medical history and update profile option in side menu bar.

GEO FENCING MODULE

In this module customer place a major role by typing the tablet in search bar and click search button. Once the search has been activated it list out on the shops which has particular medicine at the stock. Similarly this app also allows to could remainder for buying up of particular tablet alert for the app user. Once the date of remainder has reached this app will automatically suggest to buy this tablet. It will be executed as a two-step process which first validate and verify the list of steps where particular medicine is available with the stock database and in step two the geo location of these shops available will be retrieved and maps with the limited diameter of geo fencing boundary.

MODULE 4

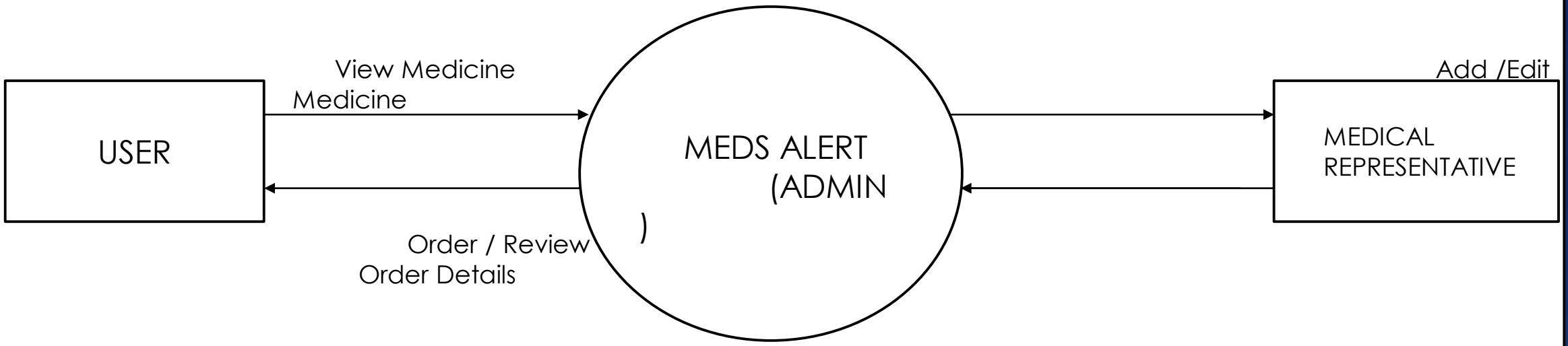
PAYMENT MODULE

This module represent the billing of the particular transaction on buying medicine in online app and mobile application. The payment bill will be generate to the user in the format message this will be used for further usage. The payment bill will be add into the admin page and medical shop page also.

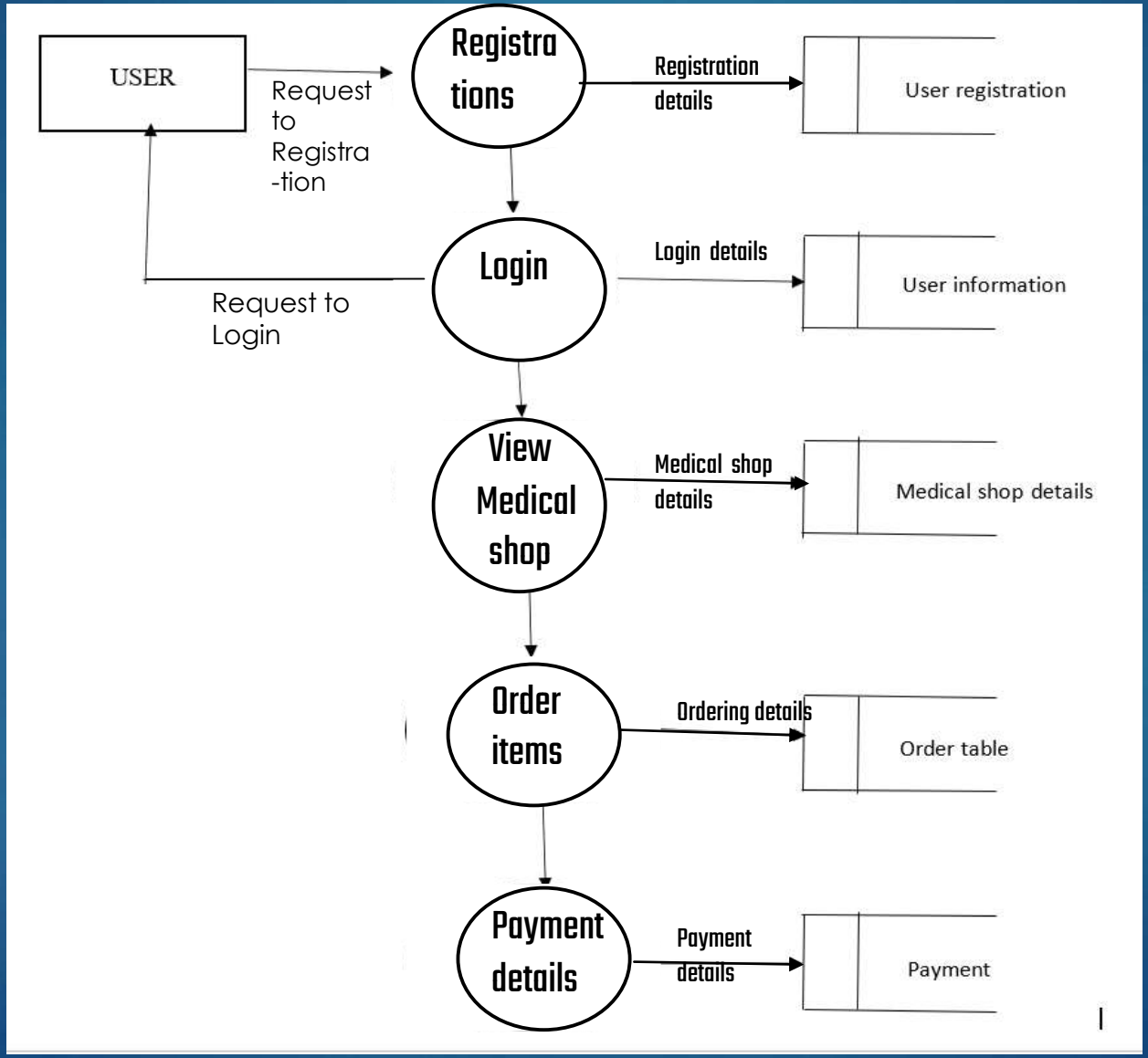
4. DATA FLOW DIAGRAM

LEVEL -0

DFD

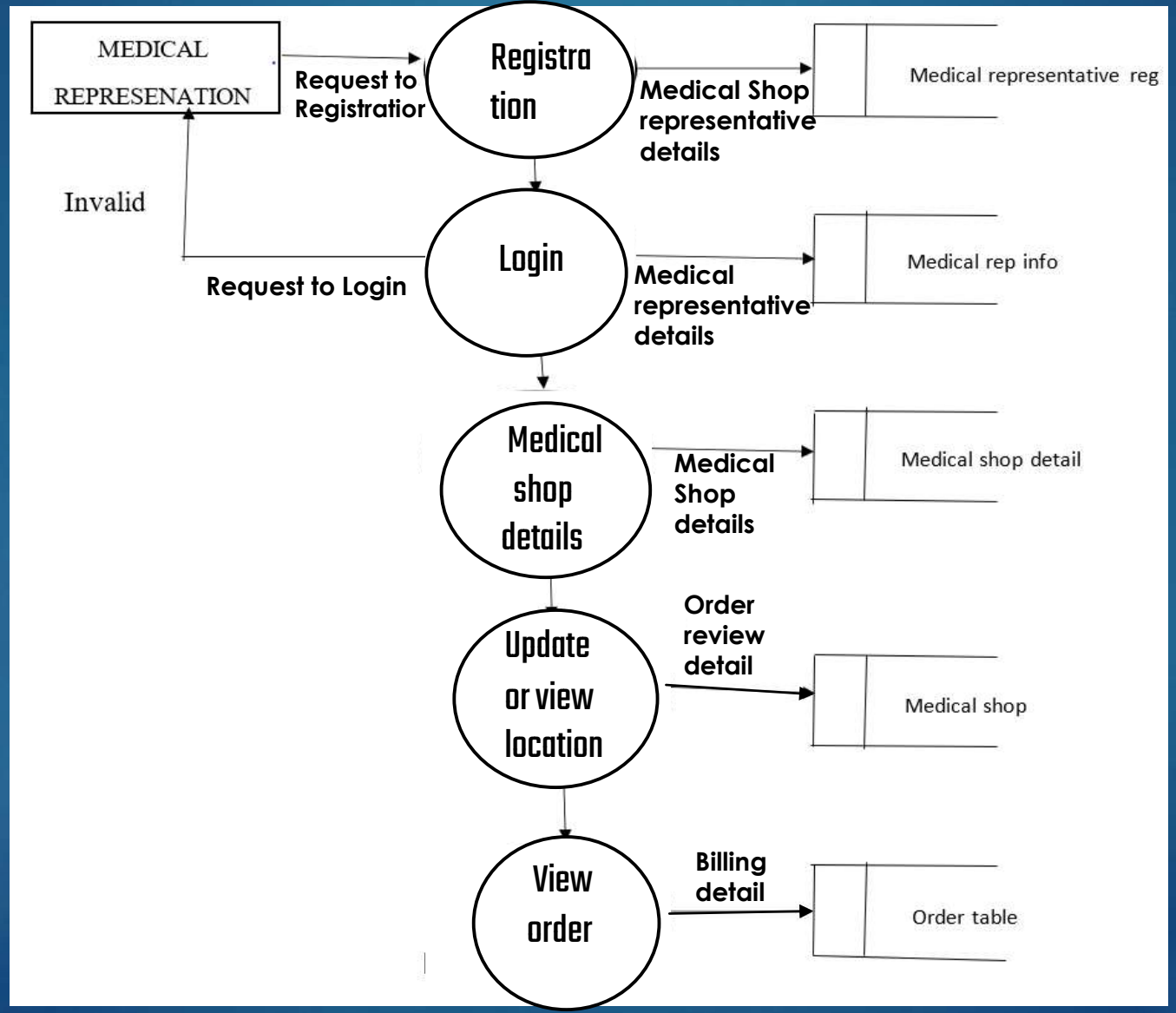

USER
View Medicine
Medicine
Order / Review
Order Details
MEDS ALERT
(ADMIN
)
Add /Edit
MEDICAL
REPRESENTATIVE

LEVEL – 1 DFD


USER
Request to Registra -tion
Registra tions
Registration details
User registration
Request to Login
Login
Login details
User information
View Medical shop
Medical shop details
Medical shop details
Order items
Ordering details
Order table
Payment details
Payment details
Payment

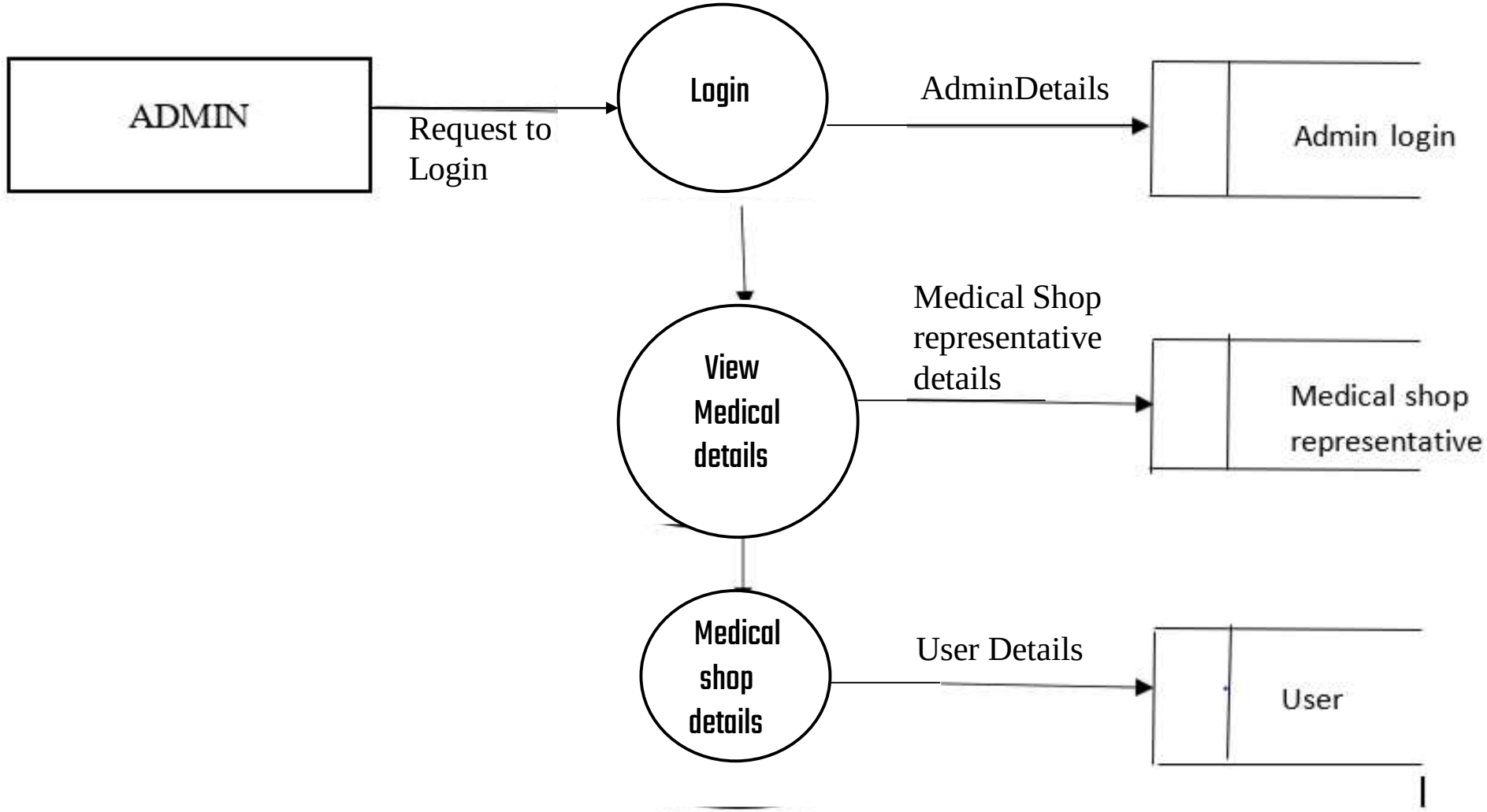
LEVEL – 2

DFD

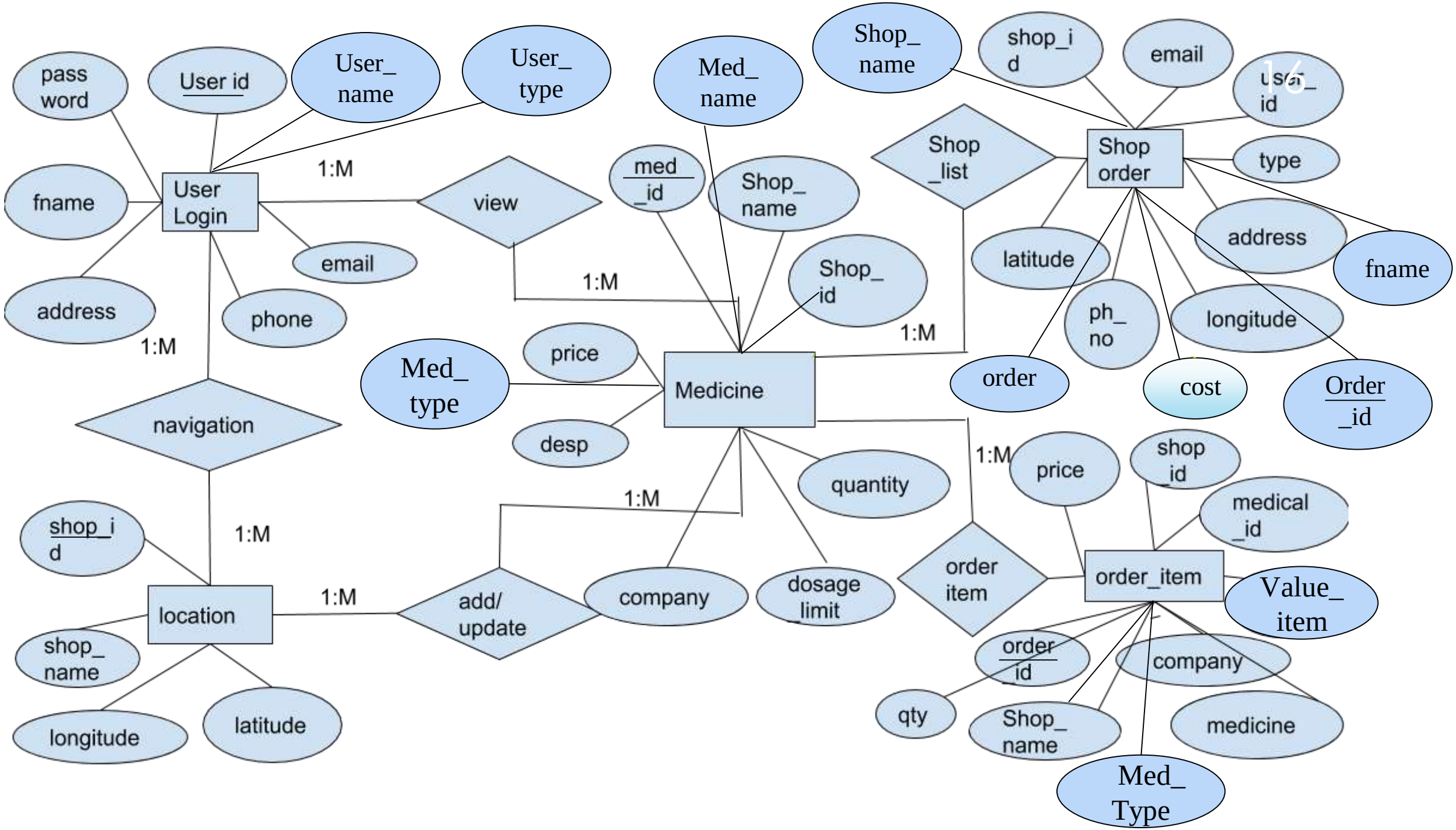

MEDICAL
REPRESENATION
Request to
Registratior
Registra
tion
Medical Shop
representative
details
Medical representative reg
Invalid
Request to Login
Login
Medical
representative
details
Medical rep info
Medical
shop
details
Medical
Shop
details
Medical shop detail
Update
or view
location
Order
review
detail
Medical shop
View
order
Billing
detail
Order table

LEVEL – 3

DFD


ADMIN
Request to Login
Login
AdminDetails
Admin login
Medical Shop representative details
View Medical details
Medical shop representative
Medical shop details
User Details
User

5. ER DIAGRAM


pass word
User id
User_ name
User_ type
fname
User Login
1:M
view
email
address
phone
1:M
navigation
med _id
Med_ name
Shop_ name
Shop_ id
1:M
Med_ type
price
Medicine
desp
quantity
1:M
shop_i d
1:M
location
1:M
add/ update
company
dosage _limit
shop_ name
longitude
latitude
Shop_ name
shop_i d
email
user_ id
Shop _list
Shop order
type
latitude
address
fname
ph_ no
longitude
order
cost
Order _id
1:M
price
shop _id
medical _id
order item
order_item
Value_ item
order _id
company
qty
Shop_ name
medicine
Med_ Type

7. DATABASE DESIGN

User Login:

Description : This table is to Store the Login details of the User.

Attribute	Data Type & value	Constraints	Description
User_id	Varchar(20)	Primary Key	Id of the User
User name	Varchar(20)	NOT NULL	Name of the User
Password	Varchar(20)	NOT NULL	Password of the User
Fname	Varchar(40)	NOT NULL	First name of the User
Address	Varchar(50)	NOT NULL	Address of the User
Phno	Varchar(10)	NOT NULL	Phone number of the User V
Email	Varchar(20)	NOT NULL	Email of the User
User_type	Varchar(20)	NOT NULL	Type of the User

Location:

Description : This table is to Store the Location details of the User.

Attribute	Data Type & value	Constraints	Description
Shop_id	Varchar(20)	Primary Key	Id of the Shop
Shop_name	Varchar(20)	Not null	Name of the Shop
Latitude	Double	Not null	Latitude of the Shop
Longitude	Double	Not null	Longitude of the Shop

Medicines:

Description : This table is used to store the Medicine details

Attribute	Data Type & value	Constraints	Description
Med_id	Varchar(20)	Primary key	Id of medicine
Shop_name	Varchar(50)	NOT NULL	Name of shop
Shop_id	Varchar(20)	Foreign key	Id of shop
Med_name	Varchar(50)	NOT NULL	Name of medicine
Company	Varchar(20)	NOT NULL	Name of Company deta

Attribute	Data Type & value	Constraints	Description
Med_type	Varchar(20)	NOT NULL	Type of the medicine
Qty	Varchar(10)	NOT NULL	Quantity of medicine
Price	Integer(5)	NOT NULL	Price of medicine
Desp	Varchar(50)	NOT NULL	Description of medicine
Dosage_limit	Varchar(10)	NOT NULL	Dosage limit of medicine

Order item:

Description : This table is used to store the order details

Attribute	Data Type & value	Constraints	Description
Order_Id	Integer(10)	Primary key	Id of order
Shop_name	Varchar(50)	NOT NULL	Name of shop
Med_id	Varchar(20)	Foreign key	Id of medicine
Value_items	Varchar(20)	NOT NULL	Value of the items
Med_name	Varchar(50)	NOT NULL	Name of medicine

Attribute	Data Type & value	Constraints	Description
Med_type	Varchar(20)	NOT NULL	Type of the medicine
Qty	Varchar(10)	NOT NULL	Quantity of medicine
Price	Integer(5)	NOT NULL	Price of medicine
Shop_id	Varchar(20)	Foreign key	Id of shop
Company	Varchar(20)	NOT NULL	Name of Company deta

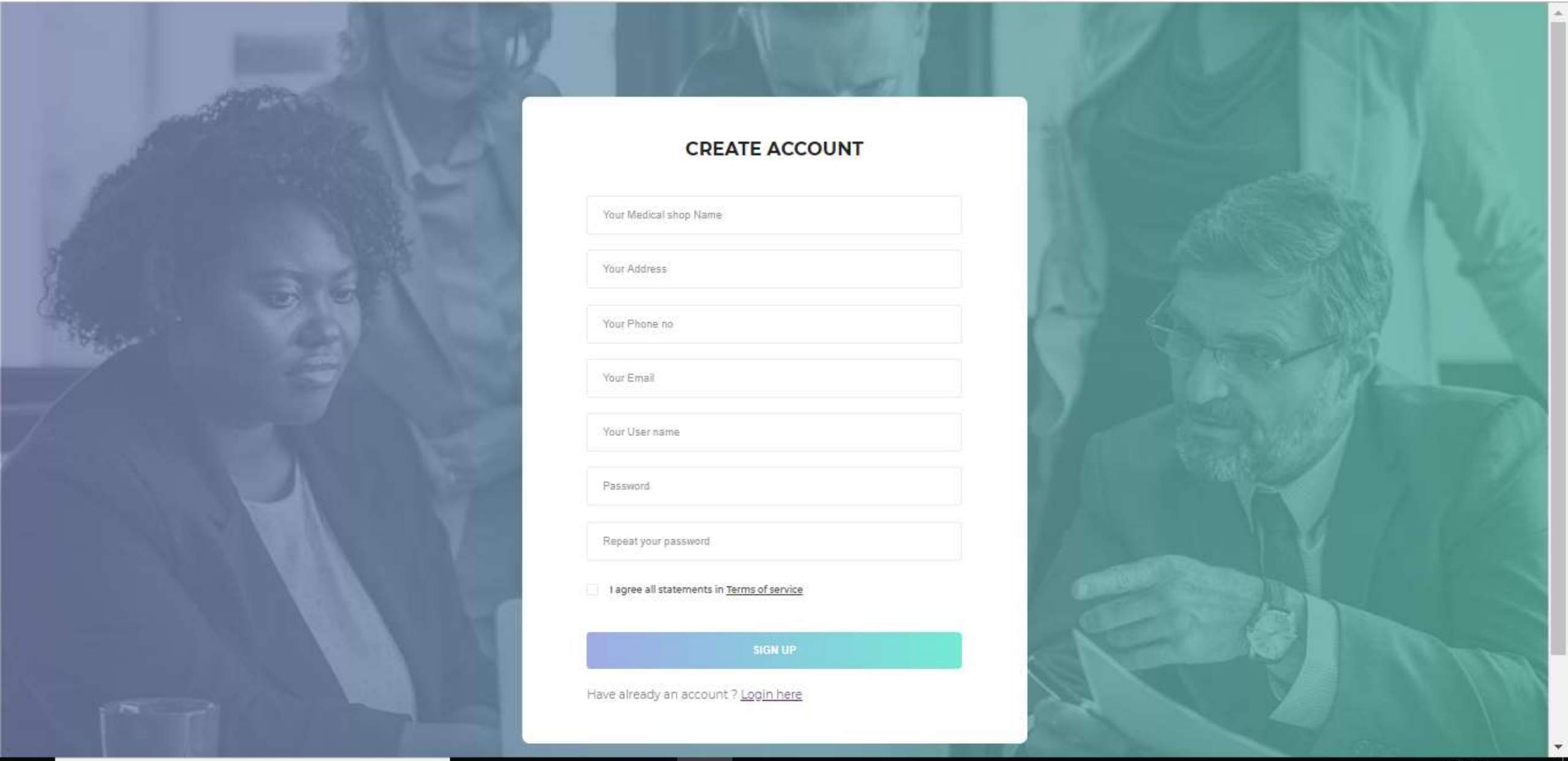
Shop Order :

Description : This table is used to store the order details

Attribute	Data Type & value	Constraints	Description
Order_id	Integer(20)	Primary key	Order id of shop
User_id	Varchar(50)	Foreign key	User id of shop
Fname	Varchar(20)	NOT NULL	First name of user
Address	Varchar(20)	NOT NULL	Address of user
Phno	Varchar(10)	NOT NULL	Phone number of user

Attribute	Data Type & value	Constraints	Description
Email	Varchar(20)	NOT NULL	Email of the user
Type	Varchar(10)	NOT NULL	Quantity of user
Latitude	Integer(5)	NOT NULL	Quantity of user
Longitude	Varchar(10)	NOT NULL	Quantity of user

8. UI DESIGN


Register
localhost/medical/reg.php
CREATE ACCOUNT
Your Medical shop Name
Your Address
Your Phone no
Your Email
Your User name
Password
Repeat your password
I agree all statements in Terms of service
SIGN UP
Have already an account ? Login here
Type here to search
08:33 PM
17-03-2019

Login

http://localhost/medical/

VR THERE TO CARE FOR U

LOG IN

Username

Password

Remember me

Login

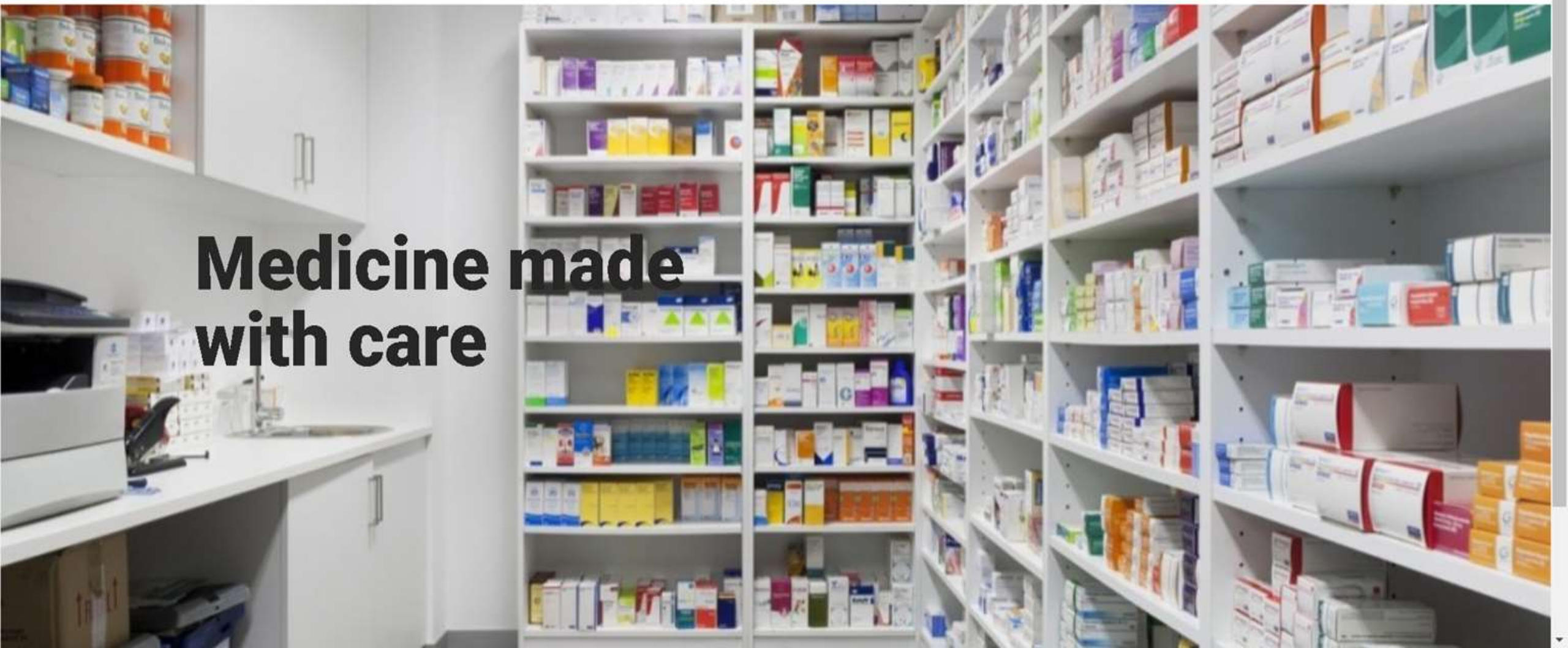
New User Signup

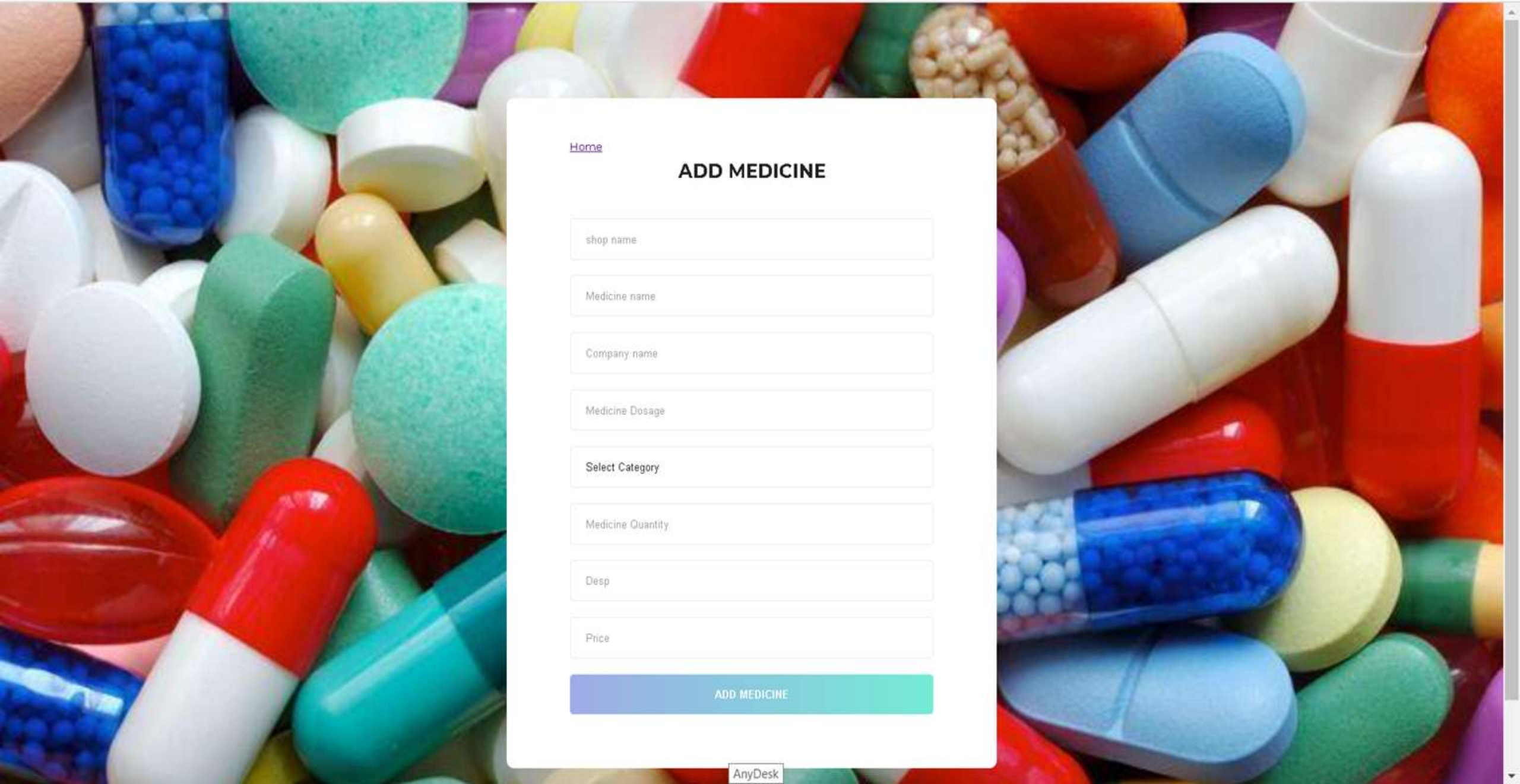
Forgot Password?

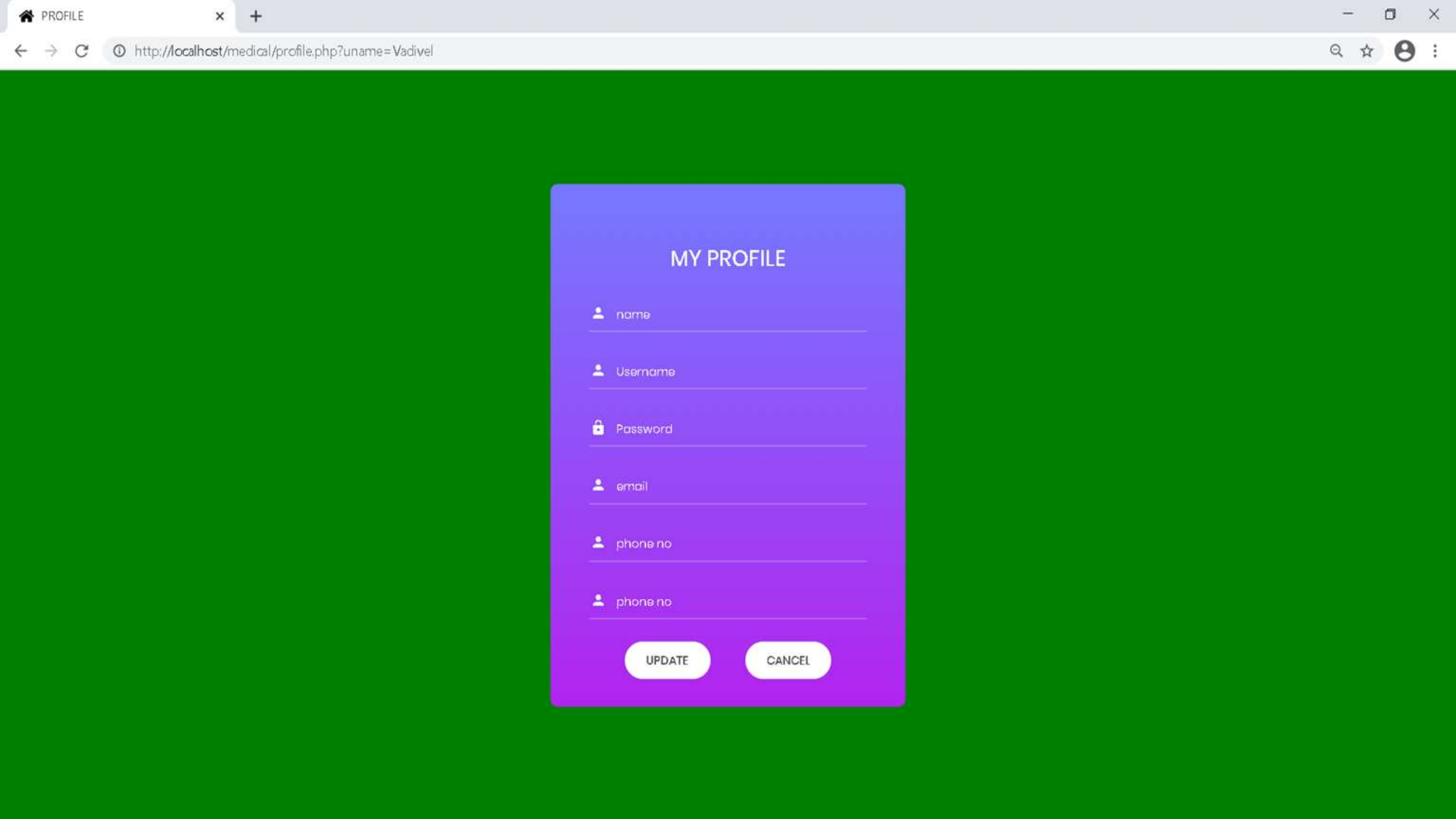
Home

http://localhost/medical/home.php?uname=Prabhaa

Home | Add Medicine | View Medicine | Transaction History | Profile | Feedback | Logout




Add medicine
http://localhost/medical/addmedicine.php?uname=Vadivel
Home
ADD MEDICINE
shop name
Medicine name
Company name
Medicine Dosage
Select Category
Medicine Quantity
Desp
Price
ADD MEDICINE
AnyDesk


PROFILE
http://localhost/medical/profile.php?uname=Vadivel
MY PROFILE
name
Username
Password
email
phone no
phone no
UPDATE
CANCEL

Login

http://localhost/medical/admin/

Sign Up

Username

Username...

Password

I agree to the Terms of User

Sign In

Home

localhost/medical/admin/home.php

HEALTH+

HOME | MEDICAL SHOP LIST | MEDICINE LIST | USER LIST | LOGOUT

Medical Services that you can trust

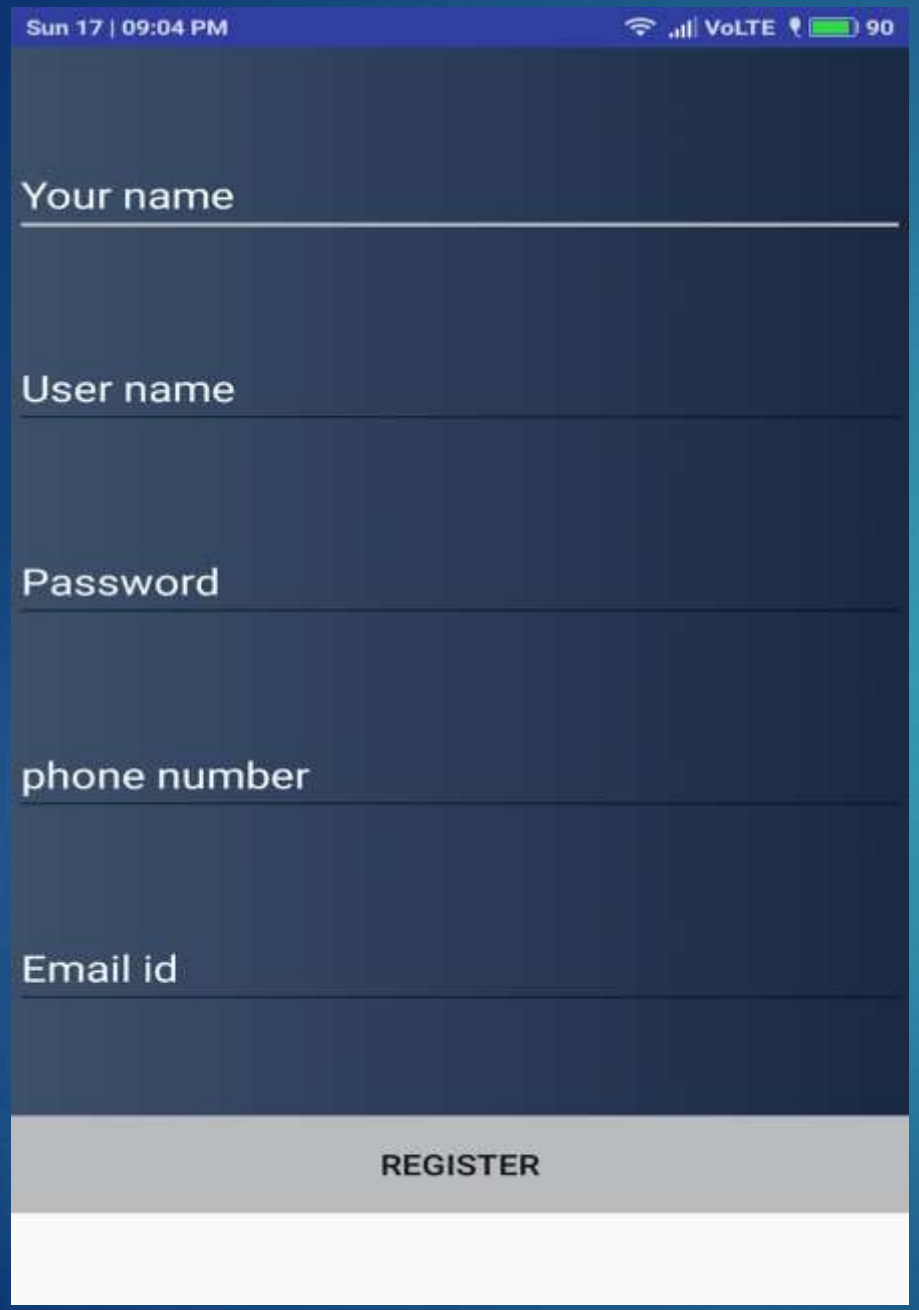
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec malesuada lorem maximus mauris scelerisque, at rutrum nulla dictum. Ut ac ligula sapien.

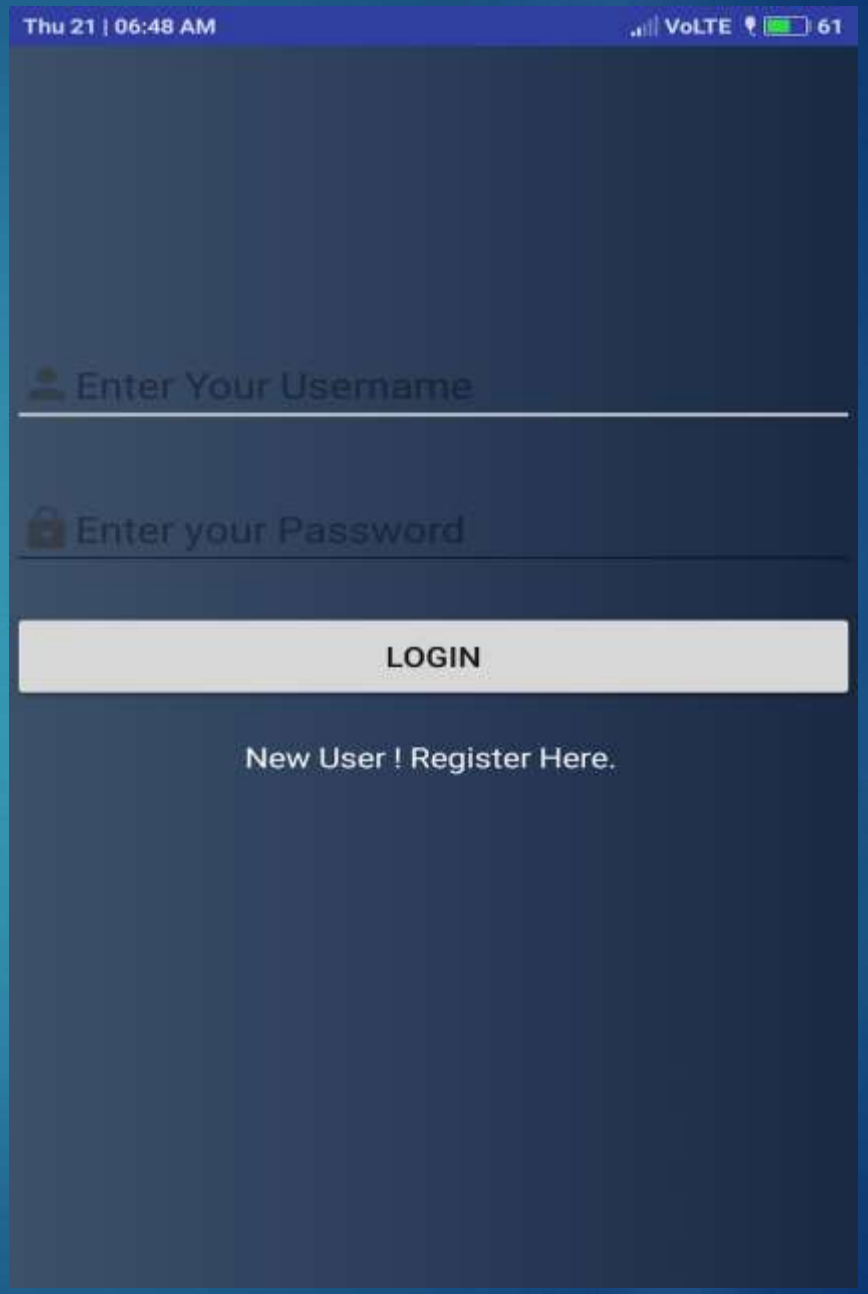
READ MORE

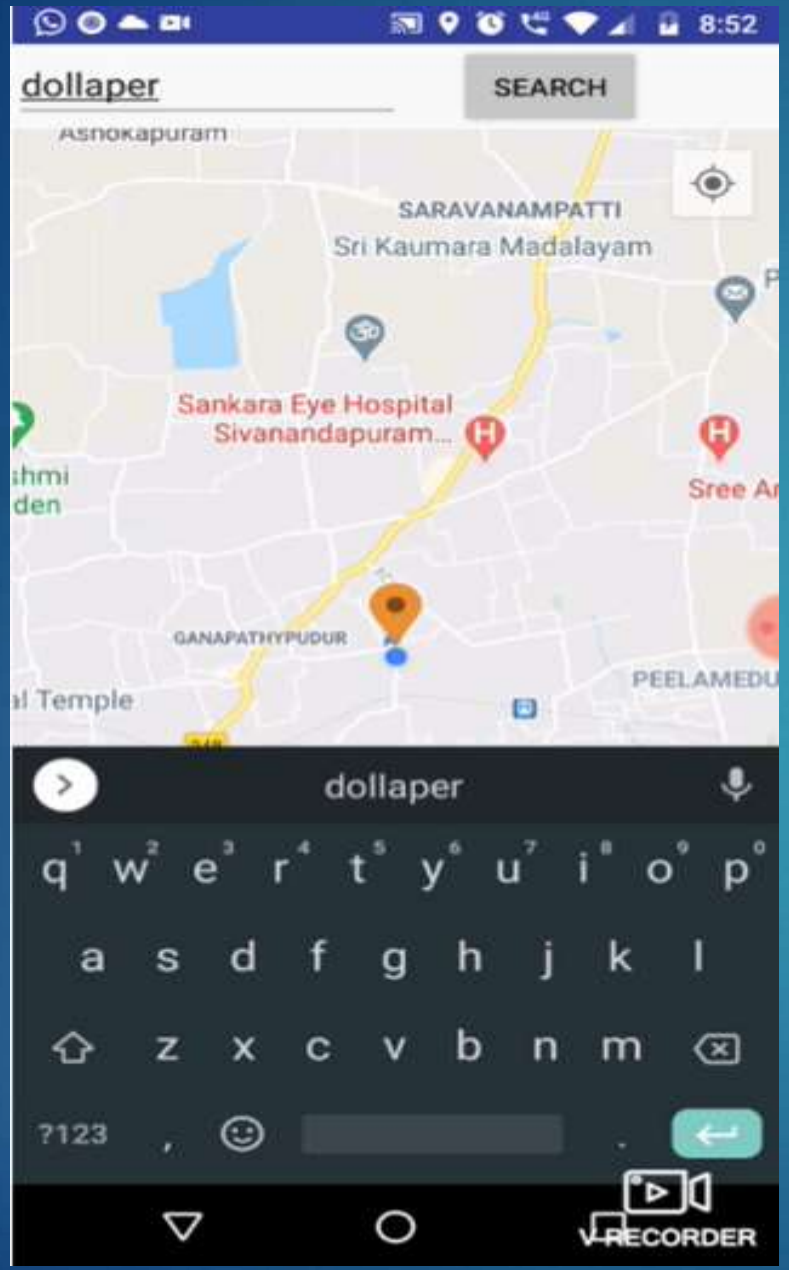
Type here to search

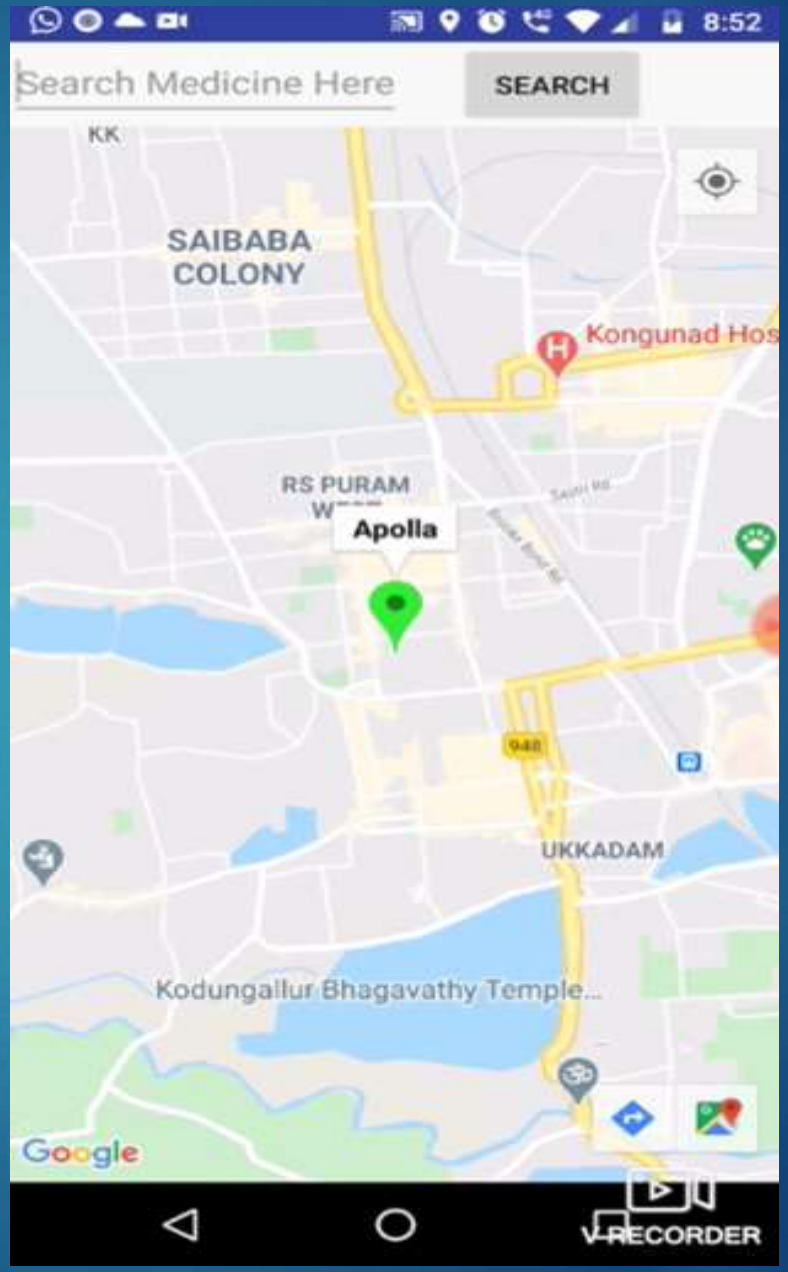
08:47 PM
17-03-2019

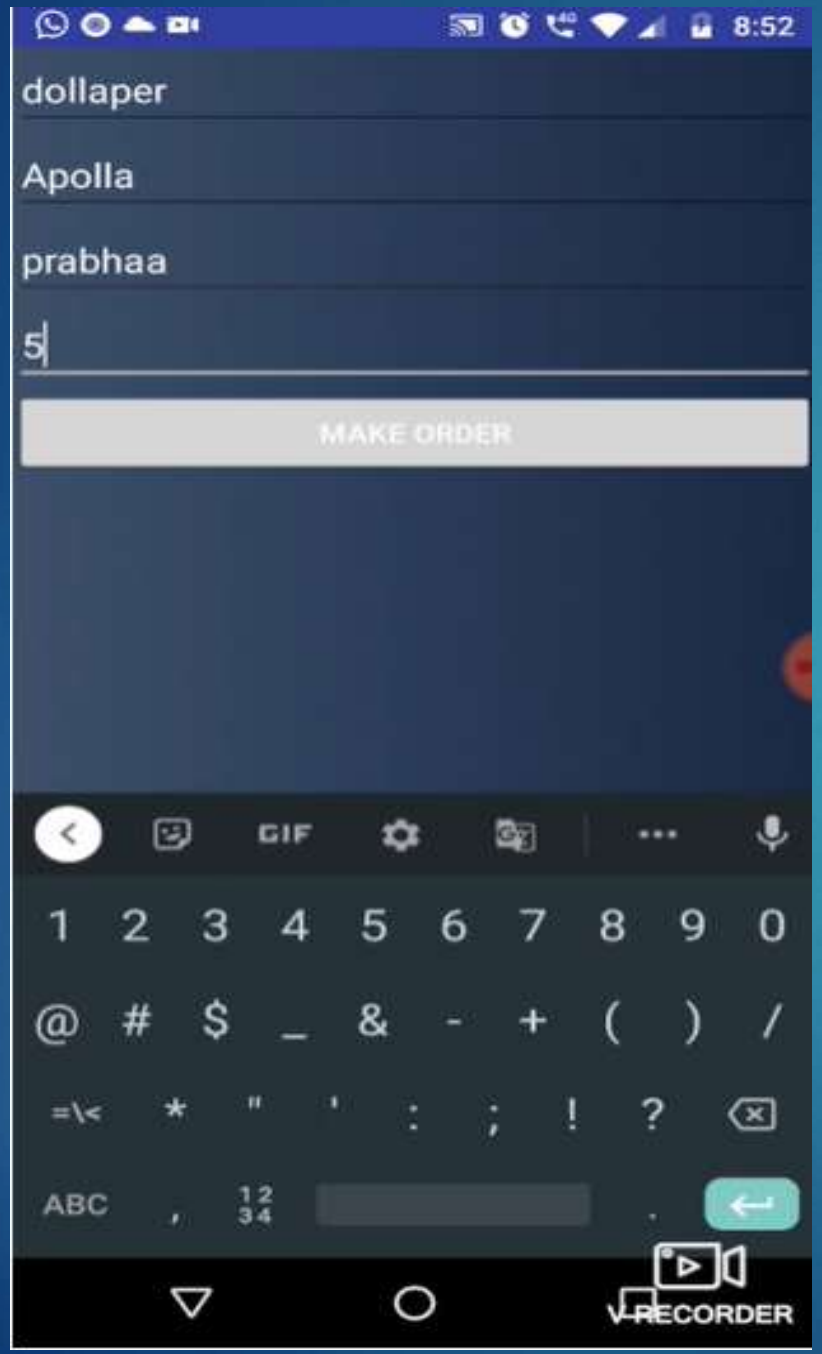

5:19
MedsAlert

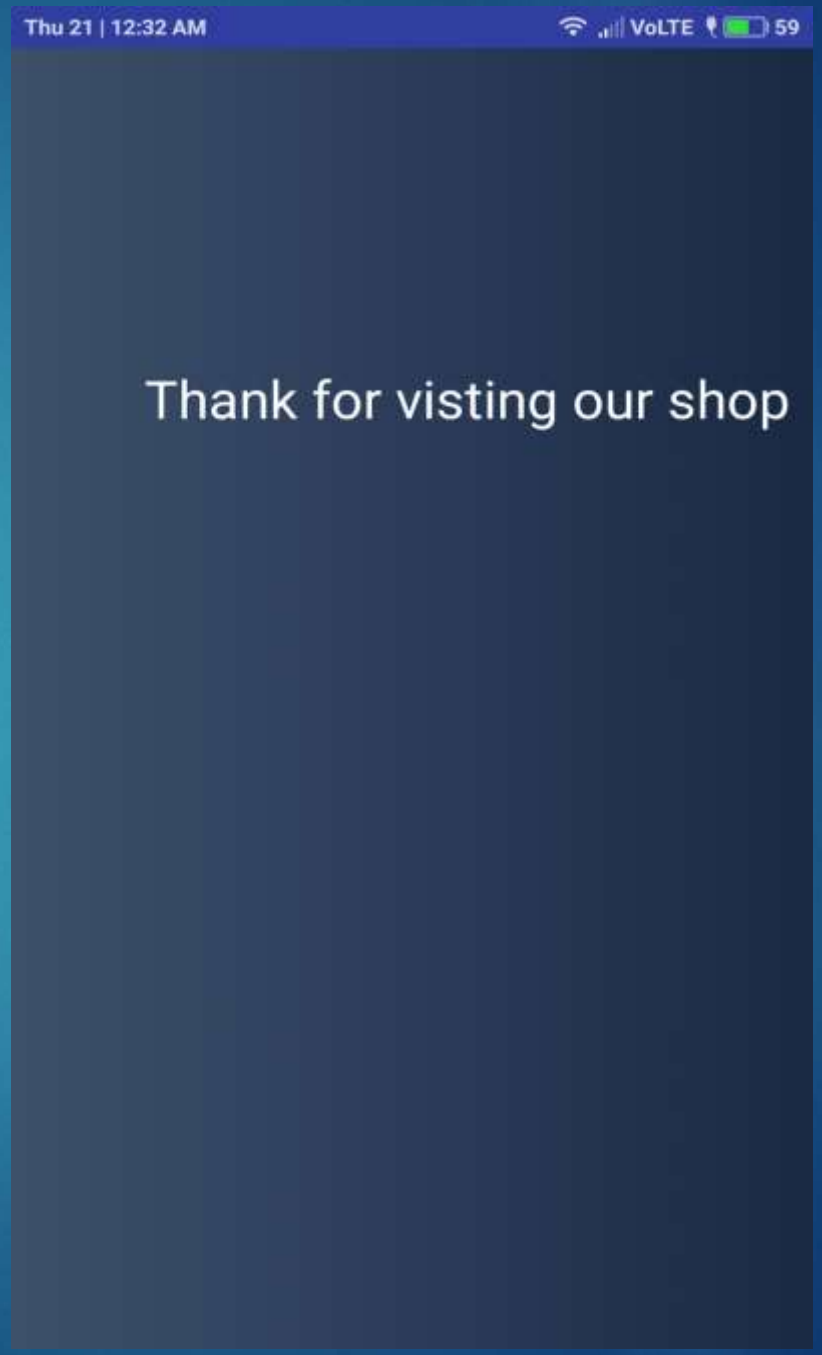

Sun 17 | 09:04 PM
VoLTE
90
Your name
User name
Password
phone number
Email id
REGISTER


Thu 21 | 06:48 AM
VoLTE
61
Enter Your Username
Enter your Password
LOGIN
New User ! Register Here.


8:52
dollaper
SEARCH
Ashokapuram
SARAVANAMPATTI
Sri Kaumara Madalayam
Sankara Eye Hospital
Sivanandapuram...
GANAPATHYPUDUR
PEELAMEDU
dollaper
V-RECORDER


8:52
Search Medicine Here
SEARCH
KK
SAIBABA
COLONY
Kongunad Hos
RS PURAM
Apolla
UKKADAM
Kodungallur Bhagavathy Temple...
Google
V-RECORDER


8:52
dollaper
Apolla
prabhaa
5
MAKE ORDER
GIF
1 2 3 4 5 6 7 8 9 0
@ # $ _ & - + ( ) /
=\< * " ' : ; ! ?
ABC
V-RECORDER


Thu 21 | 12:32 AM
VoLTE
59
Thank for visting our shop

9.CONCLUSION

- Meds-alert is developed to improve the accuracy, enhance safety and efficiency in the pharmaceutical store. It is a computer based app which helps the Pharmacist to improve inventory management, cost, medical safety etc. Developed to ensure the security of information and reliability of Pharmacy records when accessing and providing services to the customers. The information gathered during the data collection was properly analysed and the results provided the basis for the new medical shops. The app is functional and the outputs produced by this system were encouraging. The application will hence reduce the loss of information unlike the existing system and also information will be processed Effective implementation of this app will take care of the basic requirements of the app because it is capable of providing easy and effective storage of information related to activities happening in the stipulated area. The objectives of the app will be achieved in the future.

THANK YOU…