DBMS PROJECT REPORT

PHARMACY MANAGEMENT SYSTEM

Done By

Ashwin Menon - 2019103510

Sathwik S - 2019103057

Parusu Sunny - 2019103602

ABSTRACT

The Pharmacy Management system is a project in which there are 3 types of users(Seller, Admin and the Buyer) where the pharmacy can be admin, customers can be buyer and the people who sell medicines to the pharmacies can log on to the seller section.

This makes the pharmacy more accessible from the comfort of home for buyer and similarly for the pharmacy(Admin) to buy the medicines from the seller directly. This also makes it is easy for the pharmacy to note the medicines bought and sold virtually. The seller can also just upload their stock , so that the pharmacy(Admin) can buy the medicine they desire to buy.

We identified 8 **tables** for this project

buyer - The Personal Details of the Buyer is Stored here

seller - The Personal Details of the Seller is Stored here

medicine_inventory – The Medicine Inventory details of the pharmacy at any given state of time is present here

seller_medicines – The Medicine Stock Details from all the sellers are added here.

sale_order – All the Orders from the Buyers which has been approved by the admin is present here

purchase_order - All the Orders from the Admin which has been approved by the Seller is present here

temp_sale_order – The Sale Orders which are yet to be approved or are rejected by Admin are present here.

temp_purchase_order- The Purchase Orders which are yet to be approved or are rejected by Seller are present here.

Technologies Used

Frontend - HTML, CSS, Javascript, Semantic-UI (Framework)

Backend – MySQL, PHP

Software Requirements

XAMPP, Text Editor, Browser, Laptop(with 32 bit OS),Environment for executing code from the above mentioned technologies.

Innovations

As the world progresses towards digitalizing many things around us, we can create value by helping this change. In todays' COVID affected world medicines are in very high demand and our project can help many people bypass the problem by providing a platform where buying/selling medicines can be achieved with just a click of a button.

Project Details

Database name : PMS

Table Names with Attributes

Buyer

	#	Name	Type	Collation	Attributes	Null	Default
☐	1	Buyer_Name	varchar(30)	utf8mb4_general_ci		No	None
☐	2	Buyer_ID 🔑	varchar(5)	utf8mb4_general_ci		No	None
☐	3	Buyer_Email 🔑	varchar(30)	utf8mb4_general_ci		No	None
☐	4	Buyer_Password	varchar(25)	utf8mb4_general_ci		No	None
☐	5	Buyer_Address	varchar(80)	utf8mb4_general_ci		No	None
☐	6	Buyer_Contact	decimal(10,0)			No	None
☐	7	Buyer_JoinDate	timestamp			No	current_timestamp()

Seller

	#	Name	Type	Collation	Attributes	Null	Default
☐	1	Seller_Name	varchar(30)	utf8mb4_general_ci		No	None
☐	2	Seller_ID 🔑	varchar(5)	utf8mb4_general_ci		No	None
☐	3	Seller_Email 🔑	varchar(30)	utf8mb4_general_ci		No	None
☐	4	Seller_Password	varchar(25)	utf8mb4_general_ci		No	None
☐	5	Seller_Address	varchar(80)	utf8mb4_general_ci		No	None
☐	6	Seller_Contact	decimal(10,0)			No	None
☐	7	Seller_JoinDate	timestamp			No	current_timestamp()

Medicine_inventory

#	Name	Type	Collation	Attributes	Null	Default
1	MID 🔑	varchar(7)	utf8mb4_general_ci		No	None
2	MName	varchar(30)	utf8mb4_general_ci		No	None
3	MQuantity	int(11)			No	None
4	PPQ	float			Yes	NULL

temp_sale_order

#	Name	Type	Collation	Attributes	Null	Default
1	SONO 🔑	varchar(7)	utf8mb4_general_ci		No	None
2	BID	varchar(5)	utf8mb4_general_ci		No	None
3	BNAME	varchar(30)	utf8mb4_general_ci		No	None
4	BCONTACT	decimal(10,0)			No	None
5	BADDRESS	varchar(80)	utf8mb4_general_ci		No	None
6	MNAME	varchar(30)	utf8mb4_general_ci		No	None
7	MQUANTITY	int(11)			No	None
8	AMOUNT	float			No	None
9	PAY_MODE	varchar(20)	utf8mb4_general_ci		No	None
10	BUY_DATE	date			No	current_timestamp()
11	STATUS	varchar(20)	utf8mb4_general_ci		No	PENDING

temp_purchase_order

#	Name	Type	Collation	Attributes	Null	Default
1	PO_NO 🔑	varchar(7)	utf8mb4_general_ci		No	None
2	S_ID	varchar(5)	utf8mb4_general_ci		No	None
3	SNAME	varchar(30)	utf8mb4_general_ci		No	None
4	MNAME	varchar(30)	utf8mb4_general_ci		No	None
5	MQUANTITY	int(11)			No	None
6	AMOUNT	float			No	None
7	PAY_MODE	varchar(20)	utf8mb4_general_ci		No	None
8	BUY_DATE	date			No	current_timestamp()
9	STATUS	varchar(10)	utf8mb4_general_ci		Yes	PENDING

Seller_medicines

	#	Name	Type	Collation	Attributes	Null	Default
☐	1	S_ID	varchar(5)	utf8mb4_general_ci		No	*None*
☐	2	SName	varchar(30)	utf8mb4_general_ci		No	*None*
☐	3	MName	varchar(30)	utf8mb4_general_ci		No	*None*
☐	4	MQuantity	int(11)			No	*None*
☐	5	PPQ	float			No	*None*

Sale_order

	#	Name	Type	Collation	Attributes	Null	Default
☐	1	SONO 🔑	varchar(7)	utf8mb4_general_ci		No	*None*
☐	2	BID	varchar(5)	utf8mb4_general_ci		No	*None*
☐	3	BNAME	varchar(30)	utf8mb4_general_ci		No	*None*
☐	4	BCONTACT	decimal(10,0)			No	*None*
☐	5	BADDRESS	varchar(80)	utf8mb4_general_ci		No	*None*
☐	6	MNAME	varchar(30)	utf8mb4_general_ci		No	*None*
☐	7	MQUANTITY	int(11)			No	*None*
☐	8	AMOUNT	float			No	*None*
☐	9	PAY_MODE	varchar(20)	utf8mb4_general_ci		No	*None*
☐	10	BUY_DATE	date			No	current_timestamp()
☐	11	DAYS_NO	int(11)			No	*None*

Purchase_order

	#	Name	Type	Collation	Attributes	Null	Default
☐	1	PO_NO 🔑	varchar(7)	utf8mb4_general_ci		No	*None*
☐	2	S_ID	varchar(5)	utf8mb4_general_ci		No	*None*
☐	3	SNAME	varchar(30)	utf8mb4_general_ci		No	*None*
☐	4	MNAME	varchar(30)	utf8mb4_general_ci		No	*None*
☐	5	MQUANTITY	int(11)			No	*None*
☐	6	AMOUNT	float			No	*None*
☐	7	PAY_MODE	varchar(20)	utf8mb4_general_ci		No	*None*
☐	8	BUY_DATE	date			No	*None*
☐	9	DAYSNO	int(11)			No	*None*

Triggers

Sale order trigger

This trigger is fired when the admin accepts a particular buyer request (as the values are then inserted in *sale_order*).The medicine quantity in *medicine_inventory* is automatically reduced by the number mentioned in *sale_order* and also the given details is deleted from the *temp_sale_order* table.If the medicine quantity in the *medicine_inventory* after reduction is equal to zero , the medicine is deleted from *medicine_inventory*.

Details

Trigger name	update_buyers
Table	sale_order
Time	BEFORE
Event	INSERT

Definition

```
1  BEGIN
2  UPDATE medicine_inventory
3  SET
   medicine_inventory.MQuantity=medicine_inventory.MQuantity-
   NEW.MQUANTITY
4      WHERE medicine_inventory.MName=NEW.MNAME;
5
6  DELETE FROM temp_sale_order
7  WHERE temp_sale_order.MNAME=NEW.MNAME AND
   temp_sale_order.SONO=NEW.SONO;
8
9      DELETE FROM medicine_inventory
10     WHERE medicine_inventory.MQuantity=0;
11
12 END
```

Definer	root@localhost

Purchase order trigger

This trigger is fired when the seller accepts a particular medicine buy request from admin (as the values are then inserted in *purchase_order*).First we check if the medicine bought by admin exists in *medicine_inventory* .If it exists we update the medicine quantity by number mentioned in *purchase_order* else we insert a new record by the new medicine name and ensuring price per quantity is NULL by default.The given details is then deleted from the *temp_purchase_orders* table. If the medicine quantity in *seller_medicines* after reduction is equal to zero , the medicine is deleted from *seller_medicines*.

Details

Trigger name	update_medicines
Table	purchase_order
Time	AFTER
Event	INSERT

Definition

```
 1  BEGIN
 2      IF NEW.MNAME not in (
 3              select medicine_inventory.MName
 4              From medicine_inventory
 5          ) THEN
 6          INSERT INTO medicine_inventory (MID,MNAME,MQUANTITY) VALUES
    (NEW.PO_NO,NEW.MNAME,NEW.MQUANTITY);
 7          ELSE
 8          UPDATE medicine_inventory
 9          SET
    medicine_inventory.MQuantity=medicine_inventory.MQuantity+NEW.MQUANTITY
10          WHERE medicine_inventory.MName=NEW.MNAME;
11          END IF;
```

Definition

```
12
13          UPDATE seller_medicines
14          SET seller_medicines.MQuantity=seller_medicines.MQuantity-
    NEW.MQUANTITY WHERE seller_medicines.S_ID=NEW.S_ID AND
    seller_medicines.MName=NEW.MNAME;
15
16          DELETE FROM seller_medicines WHERE seller_medicines.MQuantity=0;
17          DELETE FROM temp_purchase_order
18          WHERE temp_purchase_order.MNAME=NEW.MNAME AND
    temp_purchase_order.PO_NO=NEW.PO_NO;
19  END
```
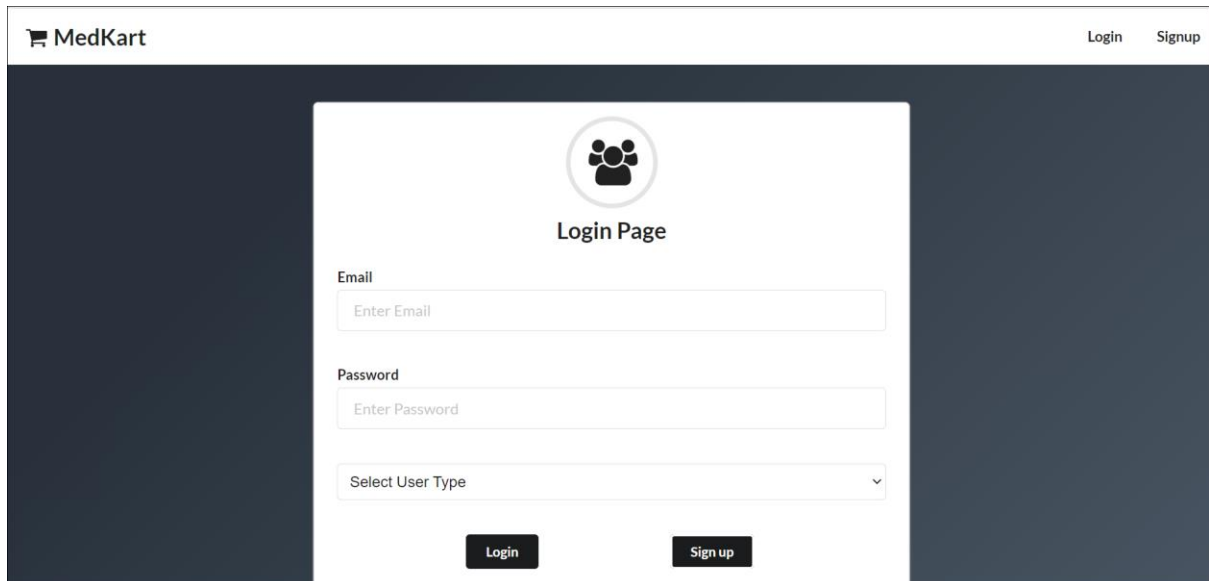
Definer	root@localhost
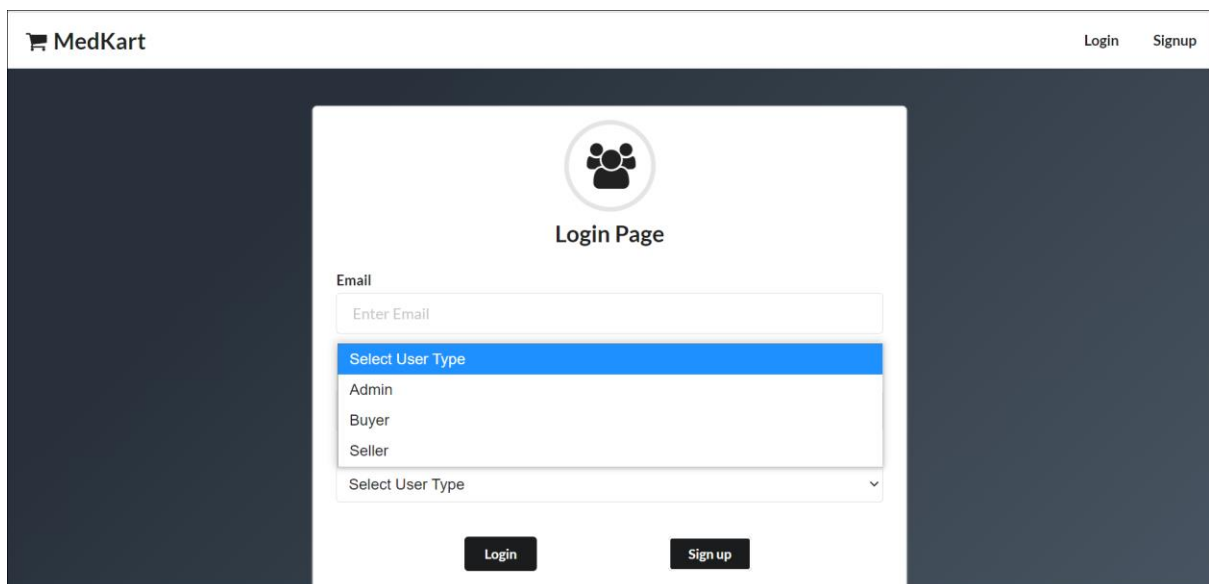
Frontend

Login Page

This is the login page for all 3 users (admin , seller , buyer) where they have to enter their registered email and password and also the type of user from the dropdown. If they have not registered then they should go to signup page by clicking the signup button.

Signup Page

This is the signup page where new users can register themselves as either a seller or a buyer.

The users have to fill in their details in the corresponding forms as shown below

Buyer registration form
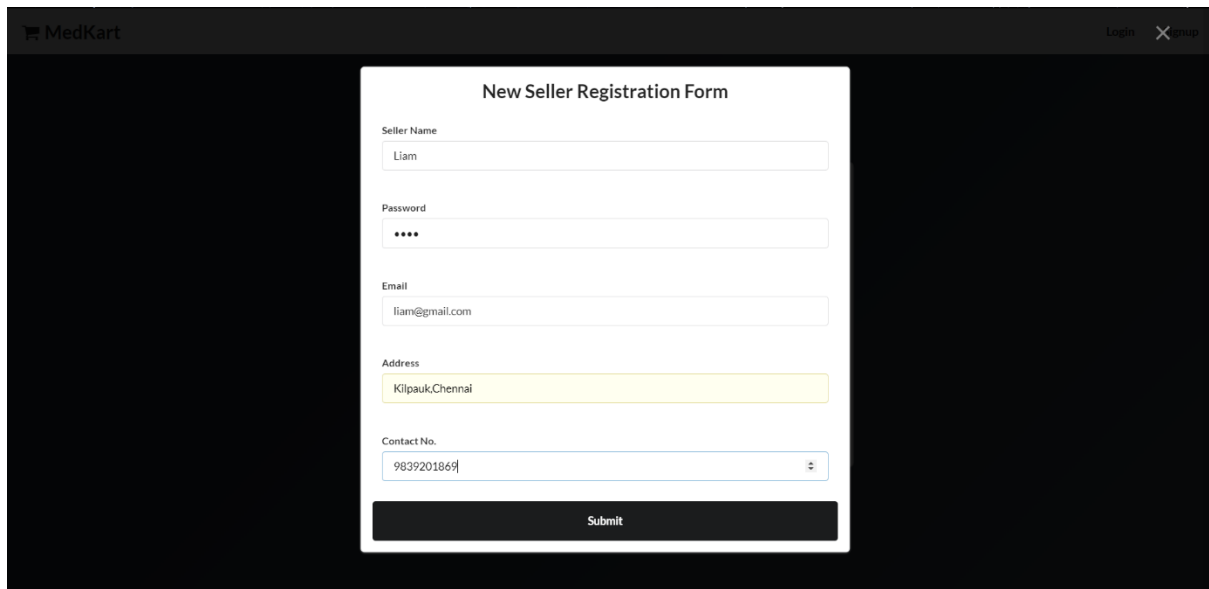
Seller registration form
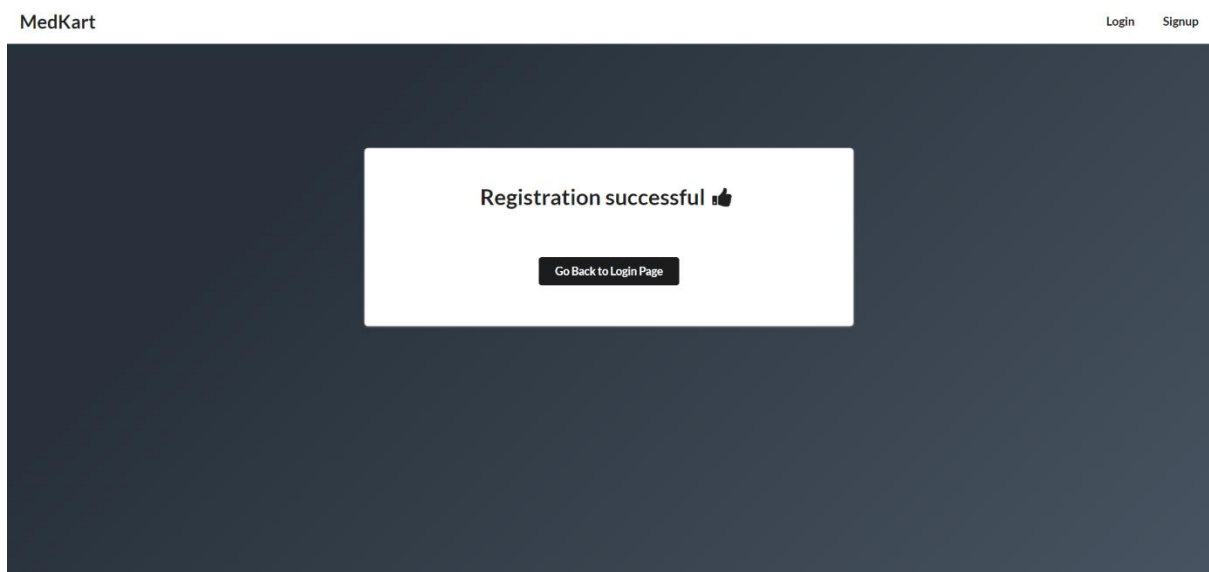
After registration, the below page is printed which prompts the user to go back to the login page and long in to the application.
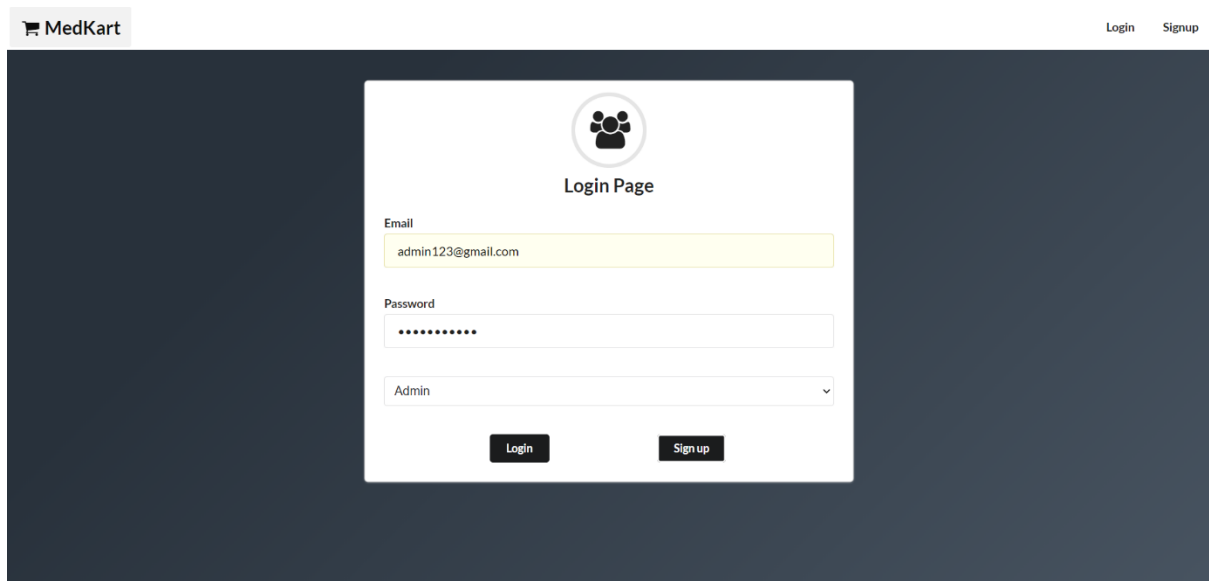
Admin User

We first login using the admin credentials

After logging in the Admin Dashboard is displayed which contains all the different operations the admin can do. By clicking on the icon on each card we can go to the corresponding page
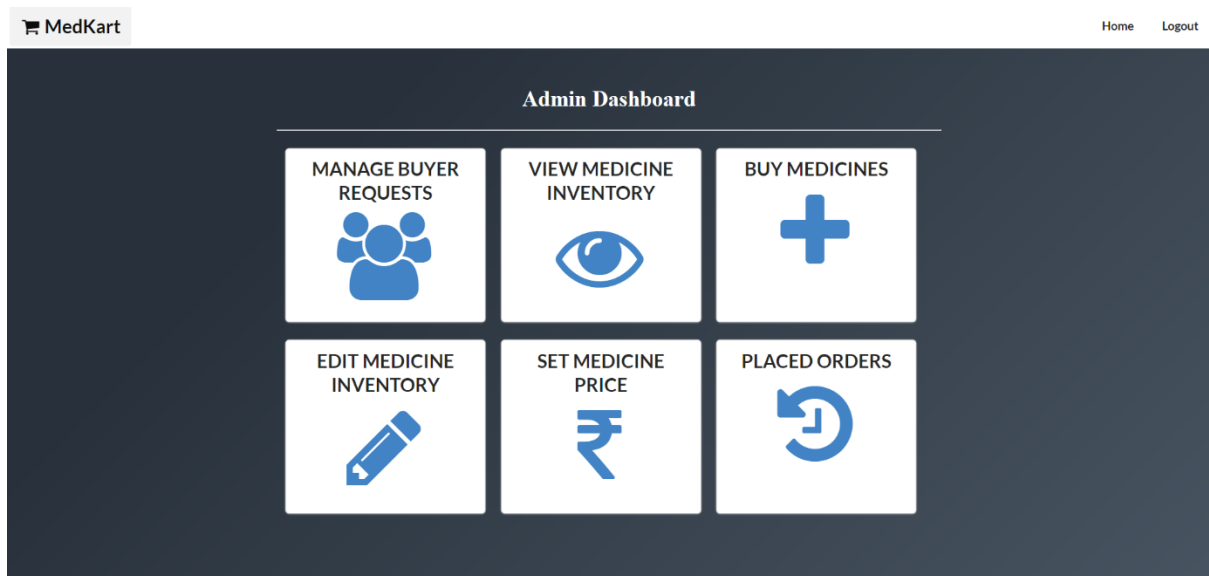
View Medicine inventory page

In this page the details of the medicines available in pharmacy are shown in the form of a table. From this page we can go to 2 pages, one where we can edit medicine stock and the other where we can add new medicine.

Edit Medicines Inventory Page

Here the users can select from all the medicines in their pharmacy using a dropdown, then select new quantity and new price. If admin wants to delete the medicine they can enter 0 for quantity. If you do not want to edit one field then enter the old value.

Add New Medicine Page

The Admin can search the name of the medicine after which the seller and the quantity which each seller contains is displayed or prints "No Medicine stock" if none of the sellers contains the medicine. The user can then proceed to buy by pressing the buy button

Preview Purchase Order Page

Preview of purchase order page is displayed and here admin selects the quantity required.

Final Bill Page

Here the admin selects the mode of payment and places the order.

After placing order the admin has to wait until seller accepts

Placed orders page

Here the status of the orders are displayed. The admin can delete the order if they want to do so.

In seller, **Approve Orders Page**

The Seller can Approve or Reject the orders from the Admin.

After the seller approves, the below page is displayed.

After approving the seller medicines quantity for the given purchase order gets reduced or deleted (if quantity becomes 0)

If the Seller Rejects, the below page is displayed
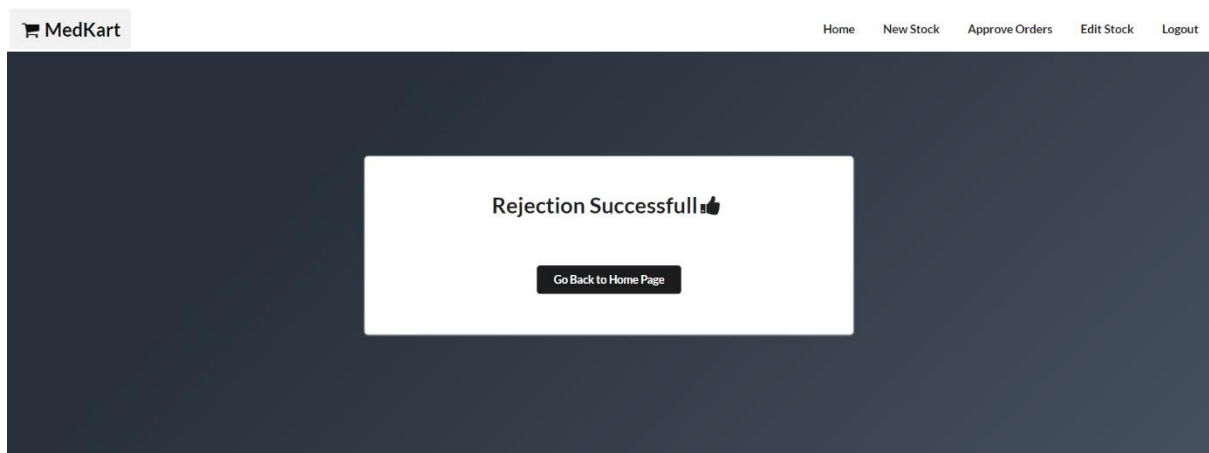
After seller accepts the order the admin receives the order

Admin has to set price for the medicine bought after which it is displayed in the **View Inventory Page**
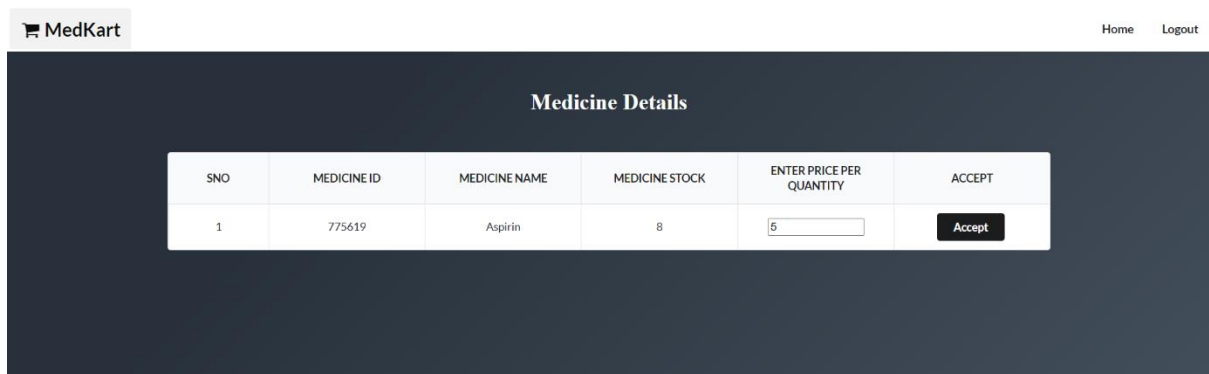
After price is set the **View Inventory Page** looks like this.
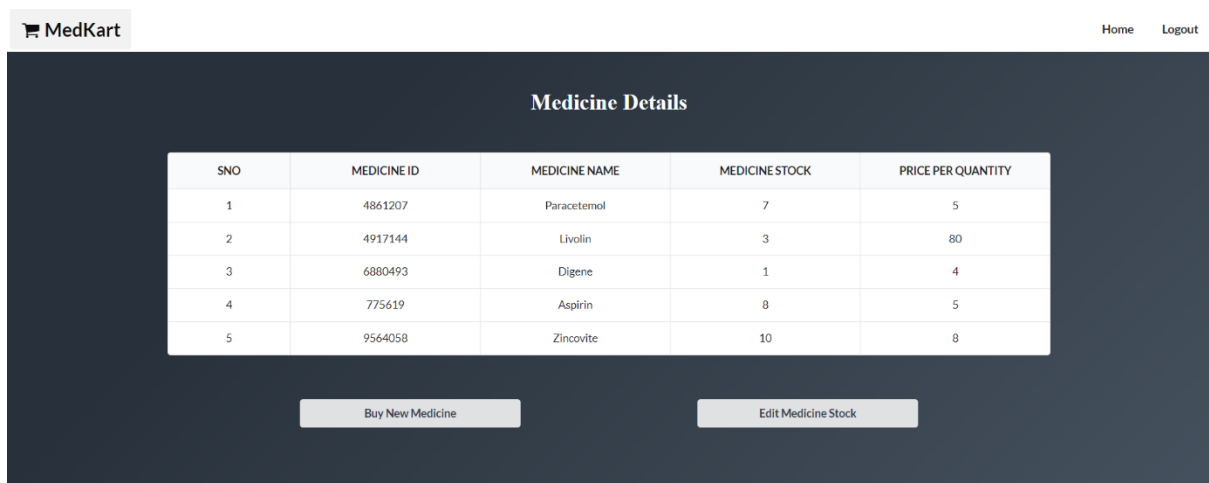
The Logout page is common for all 3 users

Logout Page
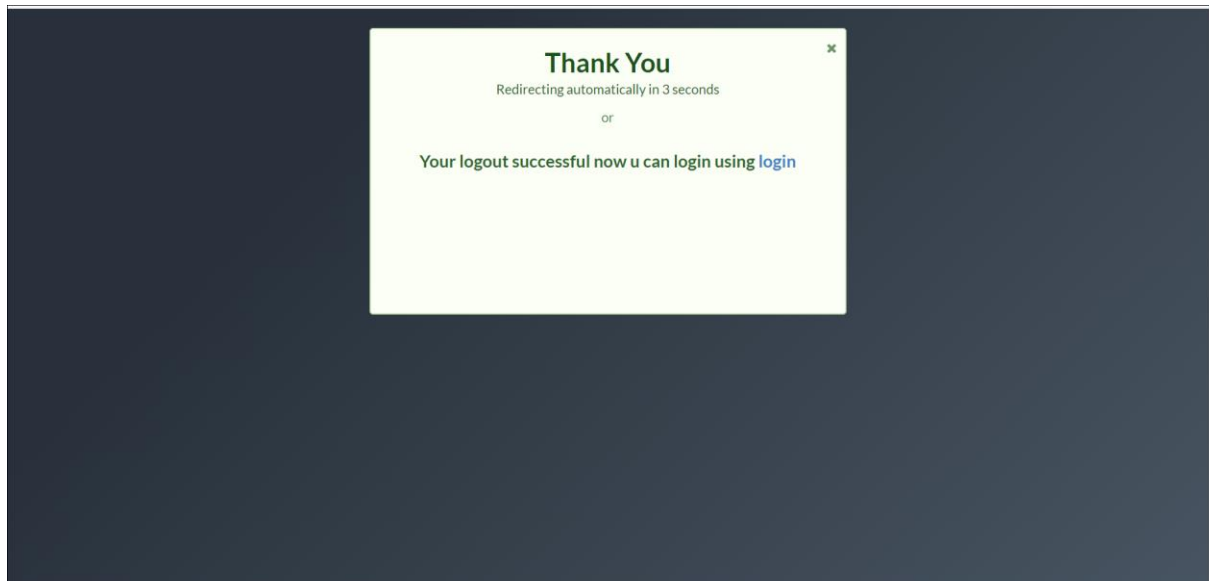
Seller User

The seller can login using the registered email and password after which the seller home page is displayed.
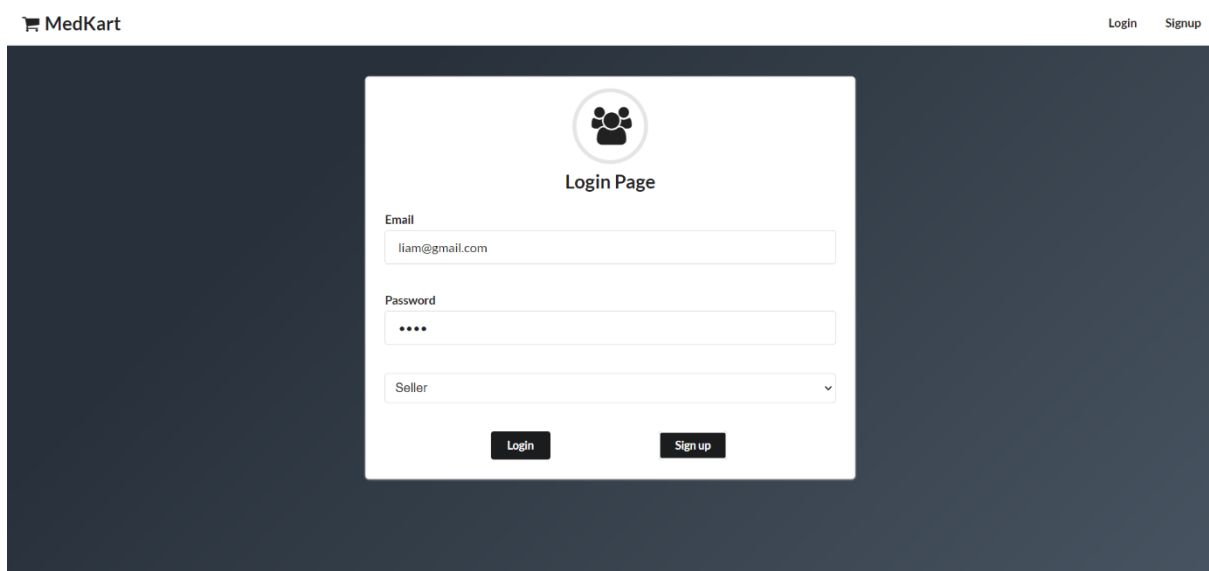
Seller Home Page

Here the Medicines which the seller has added is displayed. After signup its empty the seller can add new medicines by clicking on the button or selecting from navbar
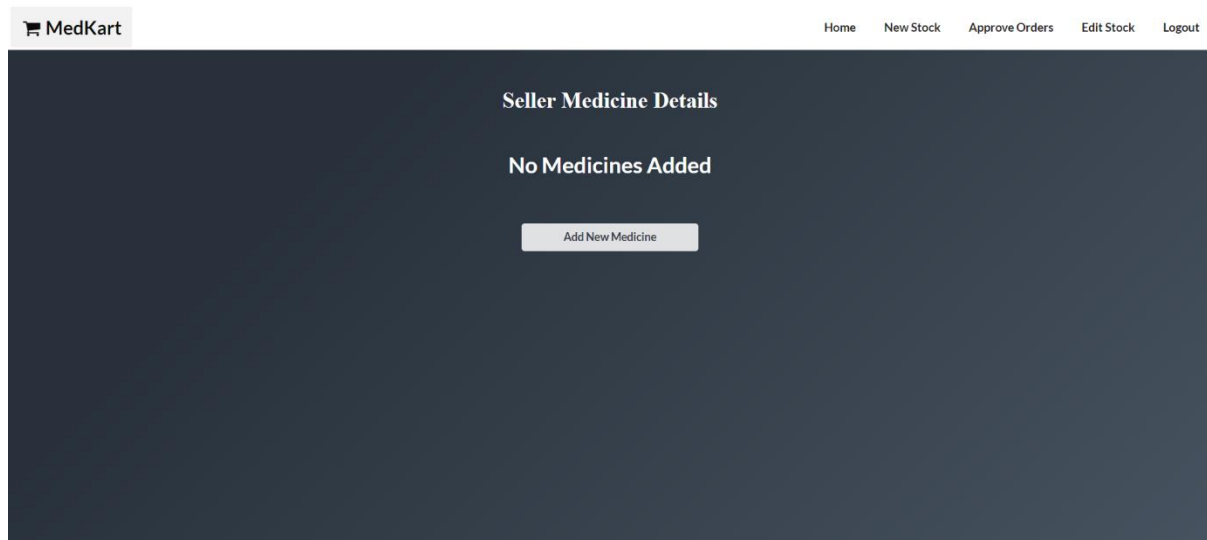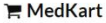
New Stock Page

Here the seller can add medicine, its quantity and price per quantity. After adding the medicine the changes are reflected back in the **Seller Home Page** .
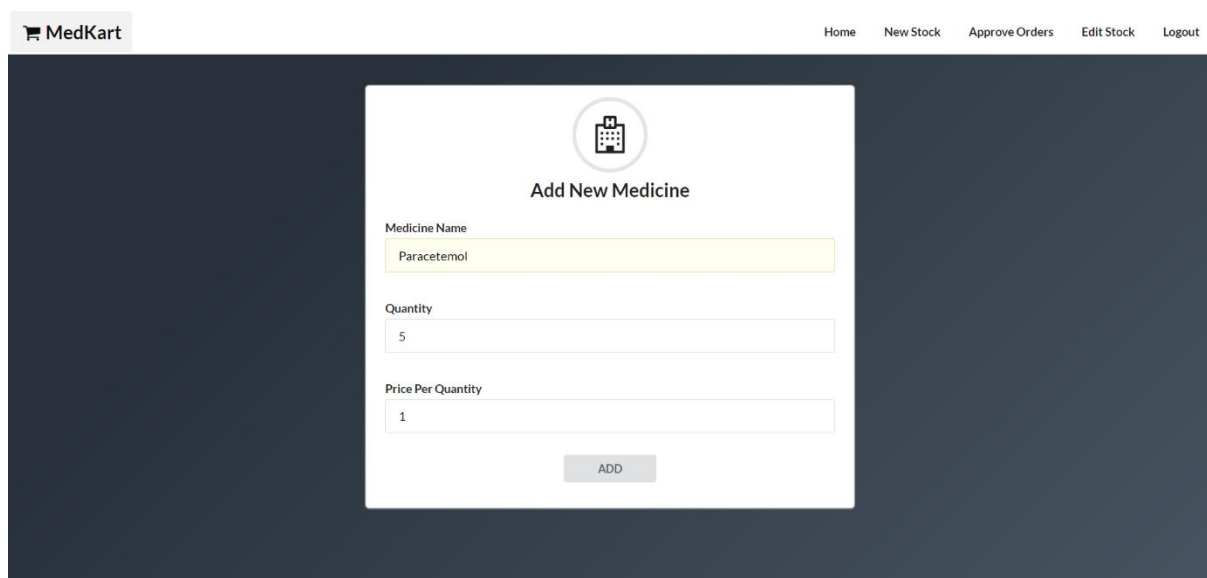
Seller home page (After Adding)

Edit Stock Page

Here the seller can edit the quantity or price per quantity for their medicine details by selecting one medicine from their list which is selected from a dropdown. If seller wants to delete the medicine they can enter 0 for quantity. If you do not want to edit one field then enter the old value. After the below edit the Seller Home page also gets updated.

Seller Home Page

MedKart   Home   New Stock   Approve Orders   Edit Stock   Logout

Seller Medicine Details

SNO	MEDICINE	MEDICINE STOCK	PRICE PER QUANTITY
1	Paracetemol	10	4

Add New Medicine

Approve Order Page

We discussed this in the admin user section. The seller can approve order requests from admin or reject the same. Once they approve their medicine quantity is reduced.

Logout page(Same for all 3 users)

The page automatically redirects to home page after 3 seconds or user can click on login link below to go to home page

Thank You

Redirecting automatically in 3 seconds

or

Your logout successful now u can login using login

Buyer Users

The buyer can login using the registered email and password after which the buyer home page is displayed.

Buyer Home Page

Here the list of medicines which are present in the inventory of the admin is displayed from which the buyer can choose and click the buy button corresponding to the medicine which they would like to buy.

Search Info Page

This Page offers an option to search if a medicine exists in the admin's medicine inventory or not. The quantity and price per quantity for the searched medicine is displayed.

+

Search Medicine

Search Medkart...   🔍

Search

SNO	MEDICINE ID	MEDICINE NAME	MEDICINE STOCK	PRICE PER QUANTITY
1	4861207	Paracetemol	7	5

After clicking on the buy button in **Buyer Home Page**

Preview Order Page

The below page is displayed where the buyer can enter the quantity of the medicine which they want to buy.

Preview Purchase Order Details

Buyer Name : Harsh

Medicine Name : Livolin

Price Per Quantity : Rs 80

Quantity(value less than 3)

2

Next

Bill Page

The Buyer can view the order summary and then select the mode of payment and then place the order

Placed Order Page

Here the status of the orders are displayed. The buyer can delete the order if they want to do so.

If the order is rejected its status can be viewed in **Pending Orders Page.**

After deleting the order the below page is displayed

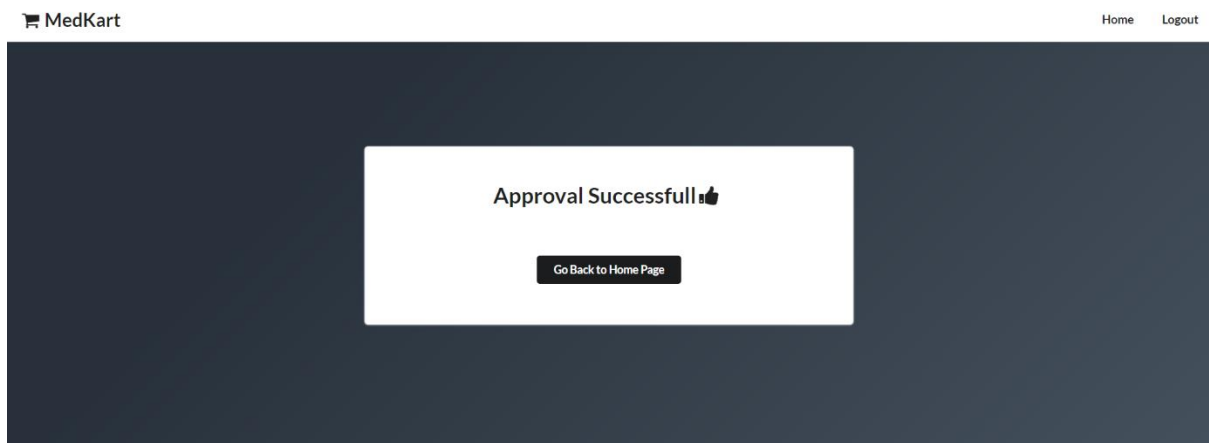In Admin, **Managing Buyer Requests Page**

Similar to how the seller approves the purchase orders from the admin the Admin does the same for the buyer. The Admin can Approve or Reject the orders from the buyers.
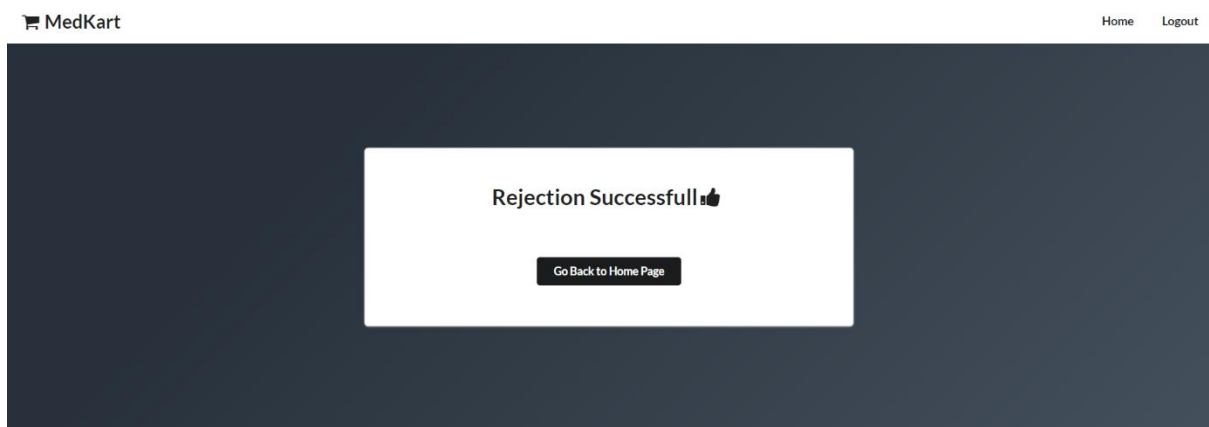
If the Admin accepts the order the below page is displayed

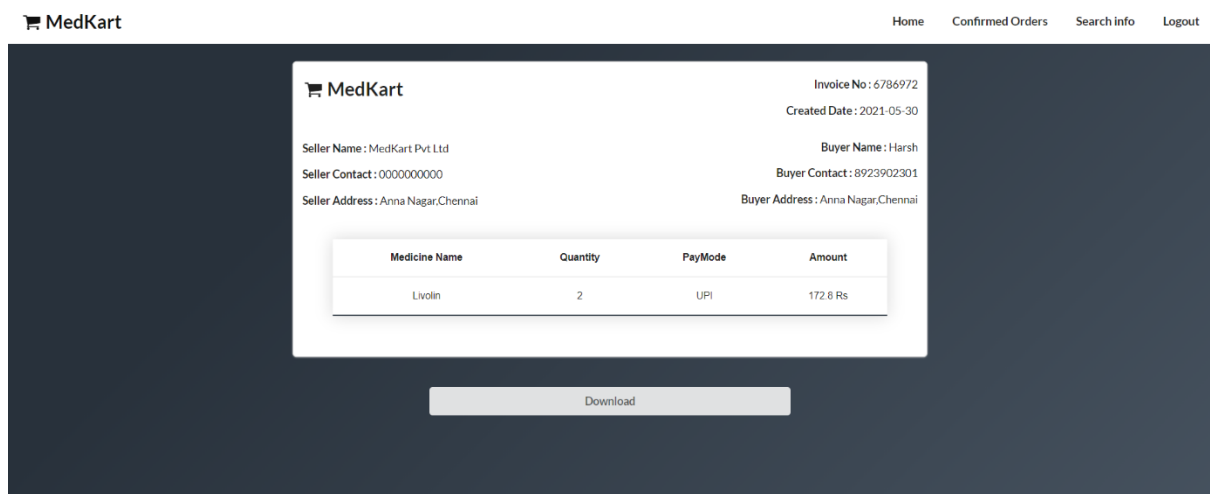

If the Admin rejects the order the below page is displayed

Confirmed Orders Page

After the Admin Approves the order, they can be viewed in this page. The buyer can download the bill for each order.
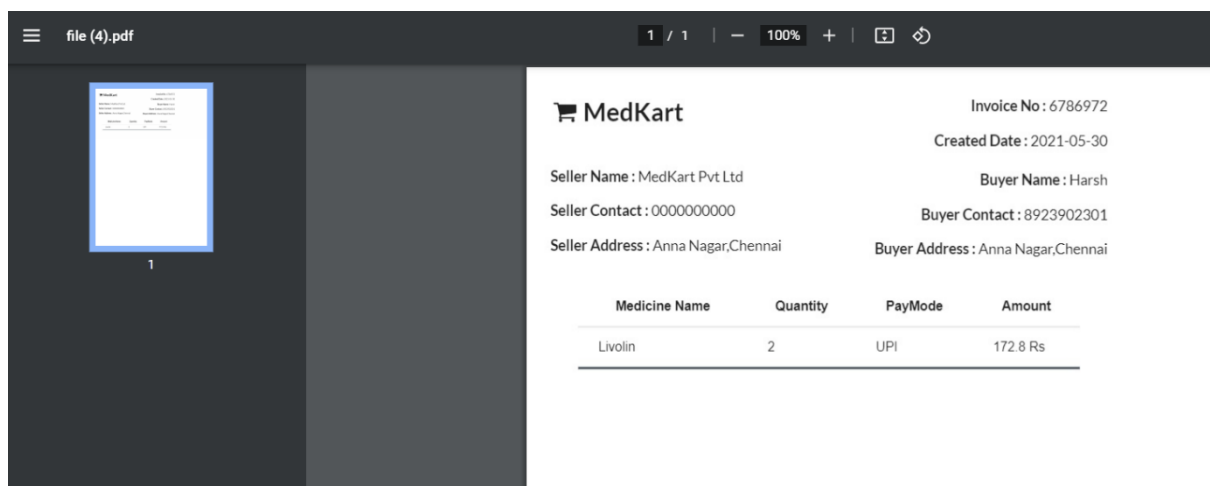
After clicking on download button

After again clicking on download button, the below pdf is downloaded

TEAM CONTRIBUTIONS

Ashwin – Seller Pages and Admin(Half) Pages

Sathwik – Buyer Pages and Admin(Half) Pages

Sunny – Login ,Signup Pages and helped in Frontend of the other pages