PHASE-6-CAPSTONE PROJECT
MEDICARE (DOMAIN-HEALTH CARE)

Developer Name : Garima Kumar
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Project Name : Medicare (Domain: Health Care)
Phase 6- Project : Full Stack Java Developer Capstone Project

Date of Submission : 15th July 2023

GiHub Repository link:

https://github.com/garimakumar/Capstone-Project-MEDICARE-Final-Project.git

Project Objective & Background:

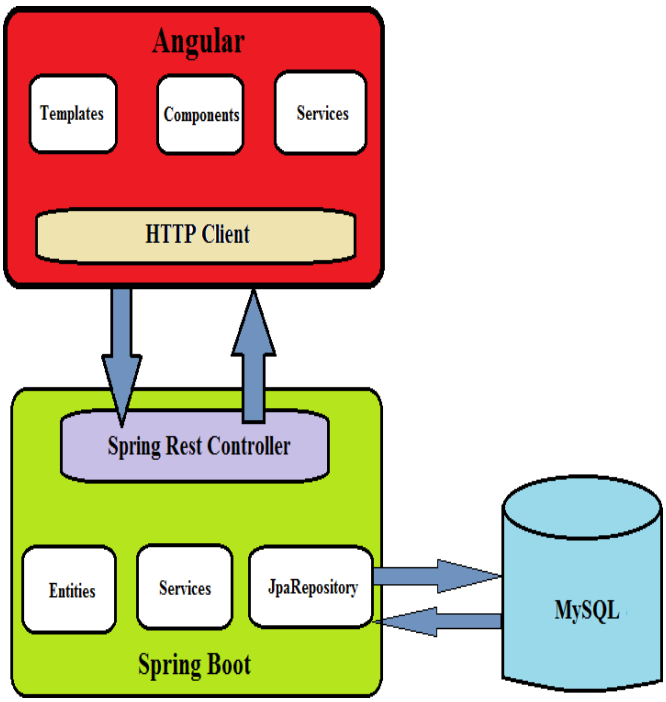
To develop a dynamic and responsive web application for online ordering of medicines through Medicare Application. Medicare is a company that supplies medicines and a couple of other healthcare essentials at an affordable price. It was established in 2012 in Delhi, India.

Product Features:

1. Medicare application is made specifically to the required business needs. It is completely flexible and scalable to the business demands and growth.
2. The whole application is a Single Page Application that is more efficient in terms of processing and provides a seamless user experience.
3. The application web pages are responsive and secure.
4. The application has one Administrator. The Admin Portal features are:
    - The admin can login with username and password in admin portal.
    - The admin can add or remove medicine details.
    - Edit medicine details like name, price etc., to keep the product information updated with current prices.
    - Enable or disable the medicines.
5. The application has a User portal. The User Portal features are:
    - Sign up and login with username and password.
    - The User can maintain the record of activities.
    - Search for products based on the search keyword.

- Apply filters and sort result based on different categories.
- Add the product to cart and customize the purchase at the end.
- Experience a seamless payment experience.
- Receive an order summary once the payment is successful.

Core Concepts Used and Project Architecture:



- Angular framework for frontend UI's.
- Spring boot framework for backend .
- MySQL Database for storing all the data.
- HTML, Bootstrap 4.
- Typescript.
- Spring Security and JWT Authentication.
- Spring Data JPA, Spring Web.

Sprint Planning and Task Achieved:

Number of sprint planned = 4.

Sprint 1:

1. Planned to develop backend code for project. Generated Spring boot project from http://start.spring.io.
2. Planned to develop the rest api's to create Admin and User. Used spring security and Jwt authentication to achieve this task.
3. Planned to develop api's for admin portal to add, update, delete, enable or disable products.
4. Successfully developed and tested the admin portal rest api's using Postman software.
5. Planned to develop frontend code for project. Generated Angular project using angular cli.
6. Planned to develop login UI for admin and user portal. Successfullydeveloped the UI's for admin and user.
7. Planned to develop admin dashboard that enables admin to perform the required functionalities. Successfully developed the admin dashboard.

Sprint 2:

1. Planned to develop home page of the application. Successfully developed the home UI of the application.
2. Planned to develop Sign up UI for users. Developed successfully.
3. Planned to develop UI for search product based on keyword, show productbased on category. Successfully developed the UI's for user portal feature.
4. Planned to develop user home UI. Developed successfully.

Sprint 3:

1. Planned to develop add to cart feature UI in user portal. Developed successfully.

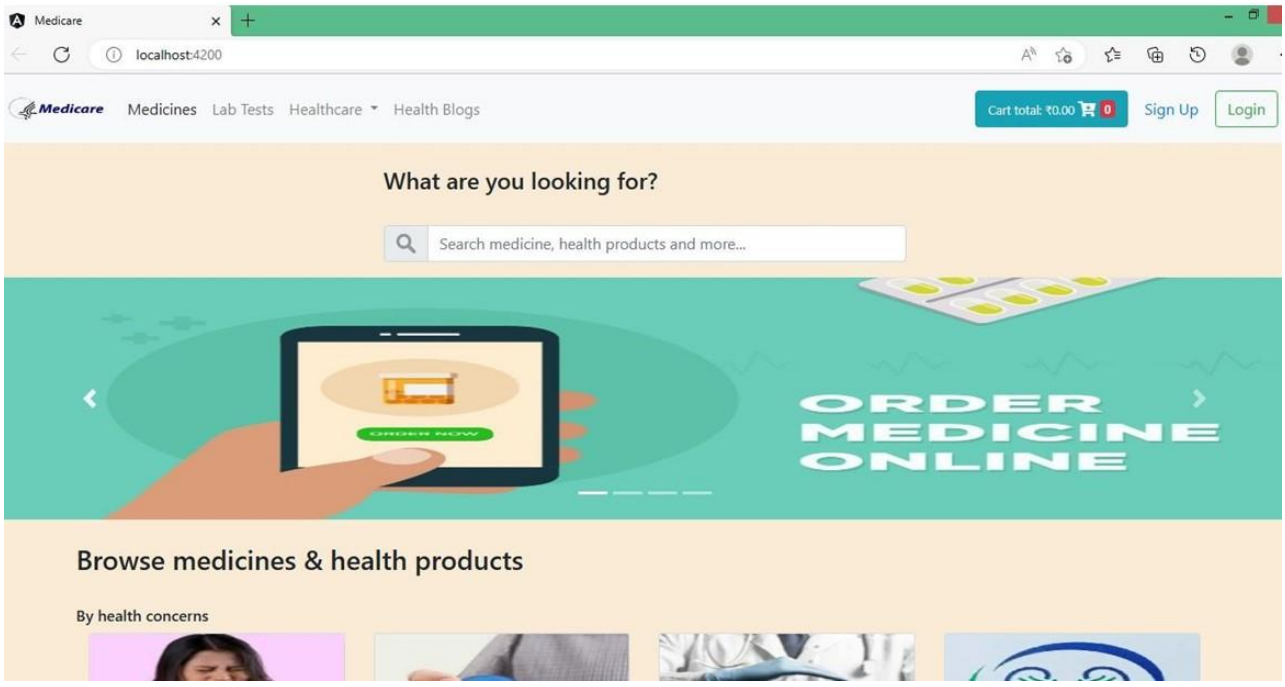
2. Planned to develop rest api's to create an order and to view orders by user. Successfully developed and tested the user order api's using postman software.
3. Planned to develop create a new order UI in user portal. Developed successfully.
4. Planned to develop UI's for order summary, show all orders in user and admin portal. Developed successfully.

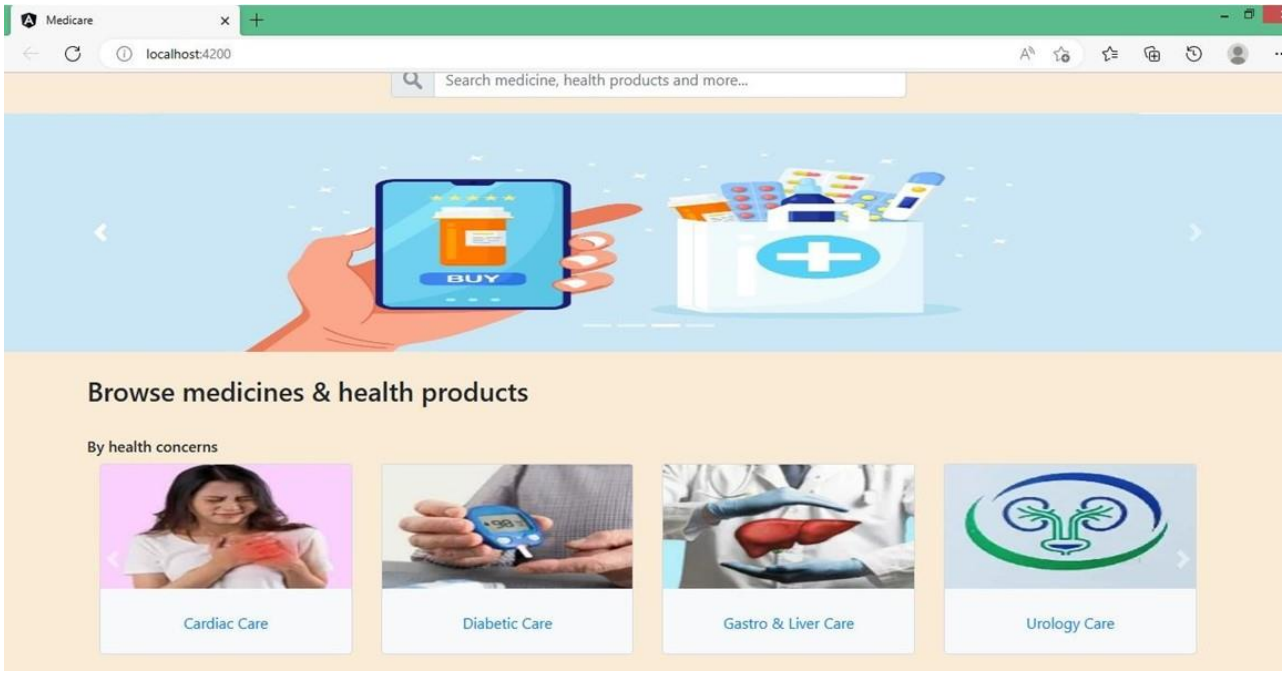
Sprint 4:

1. Planned to test the complete web application by giving the required inputs in respective fields.
2. Successfully tested all the admin portal features and user portal features.
3. The Web application is responsive, secure and all features are working as per the given requirements.

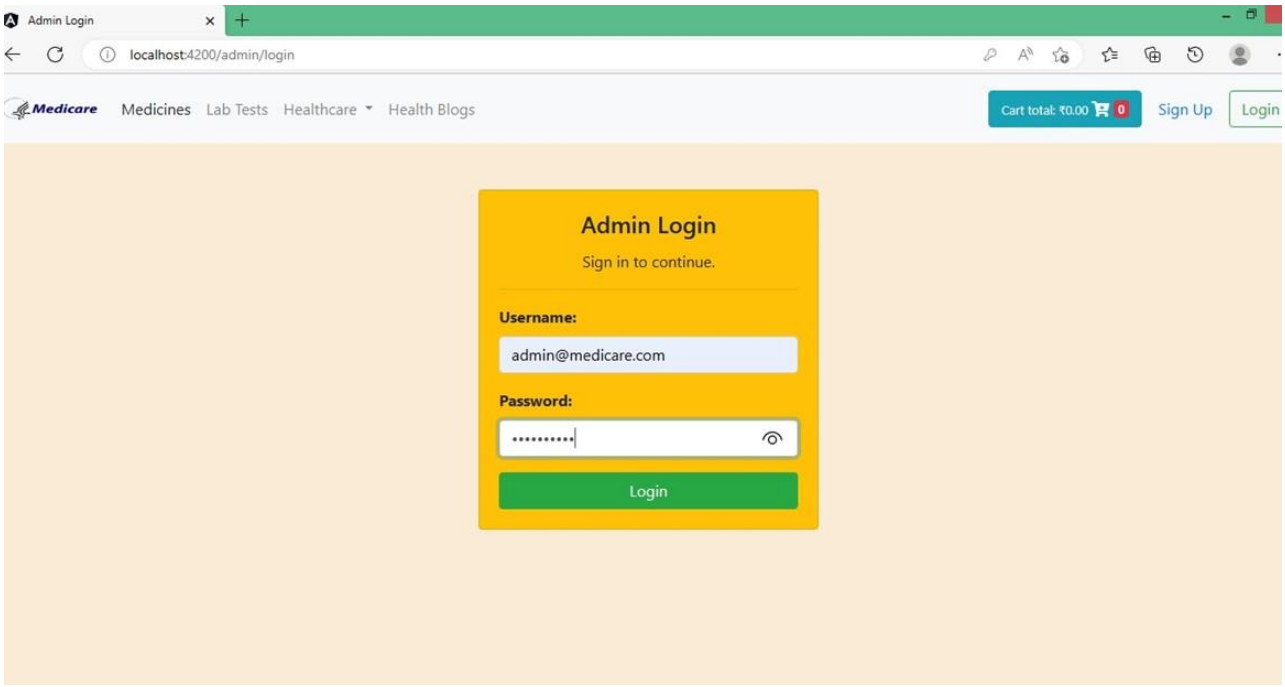
Screenshots of the Outputs:

1. Medicare Home Page

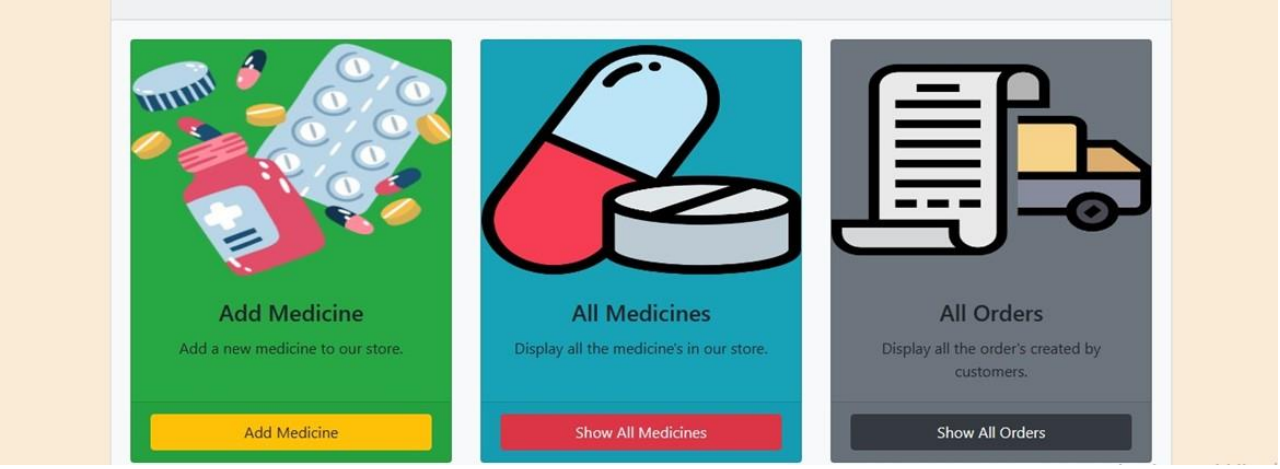




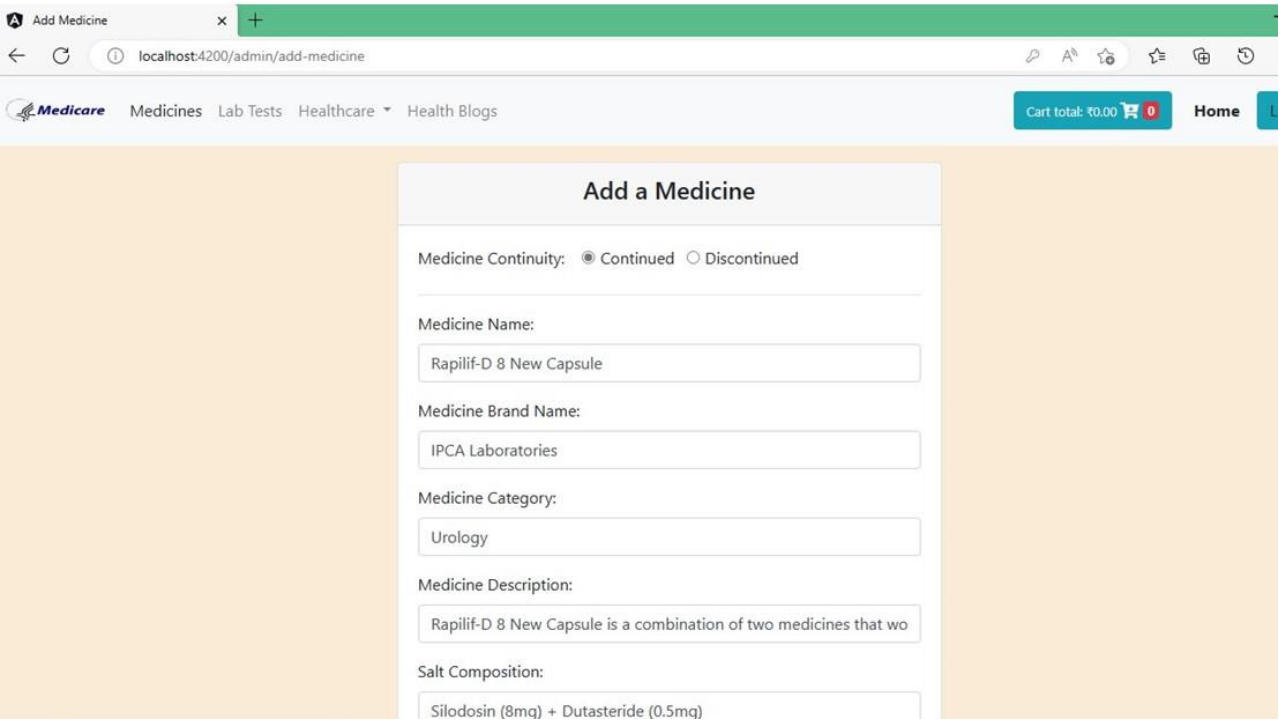
2. Admin Portal Login:

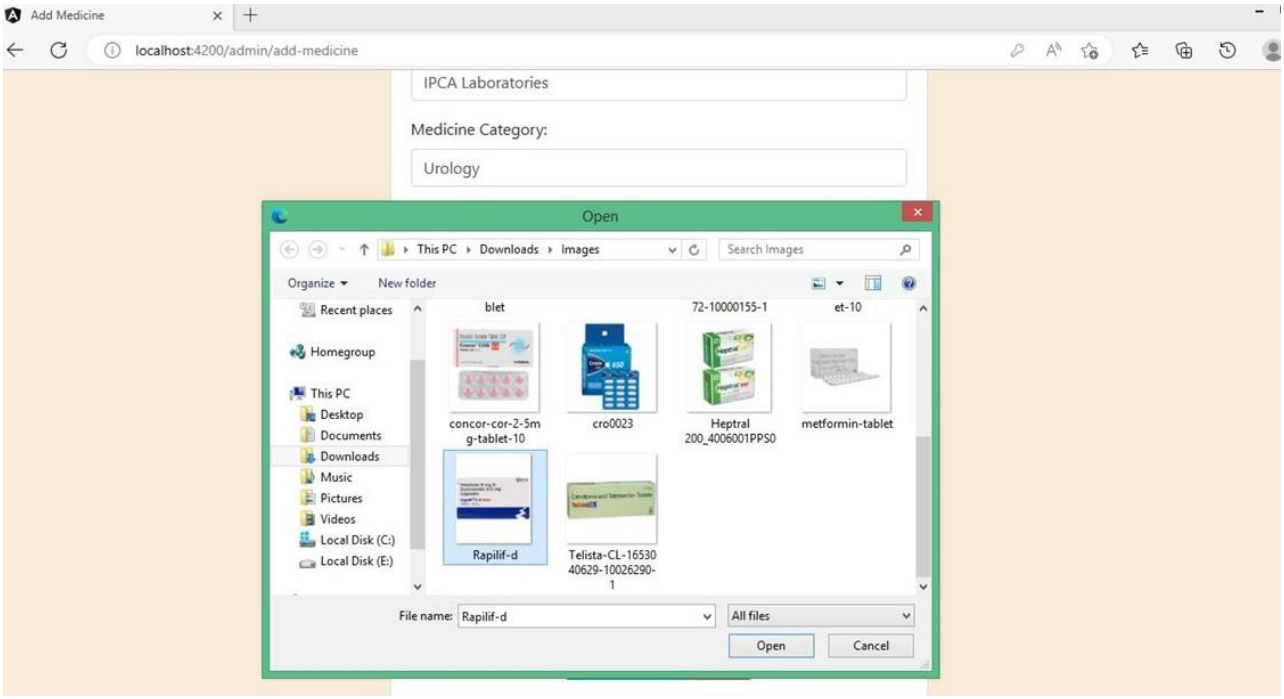


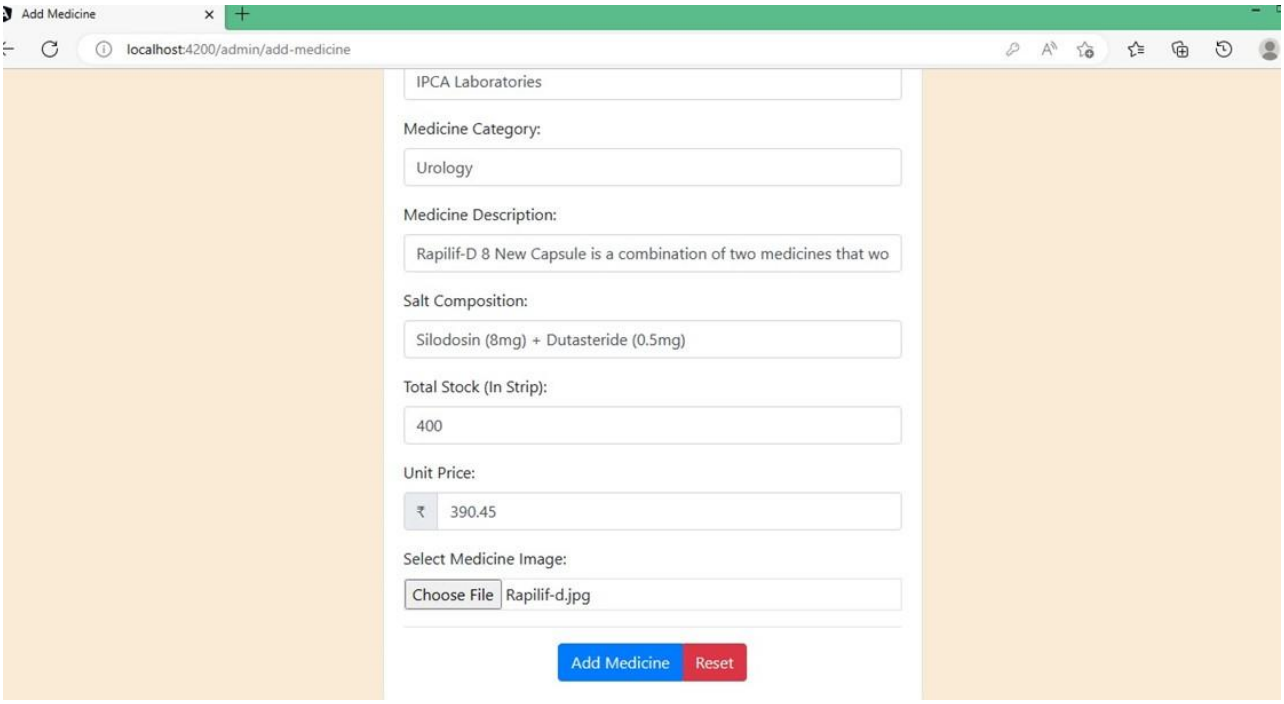
3. Admin Dashboard:

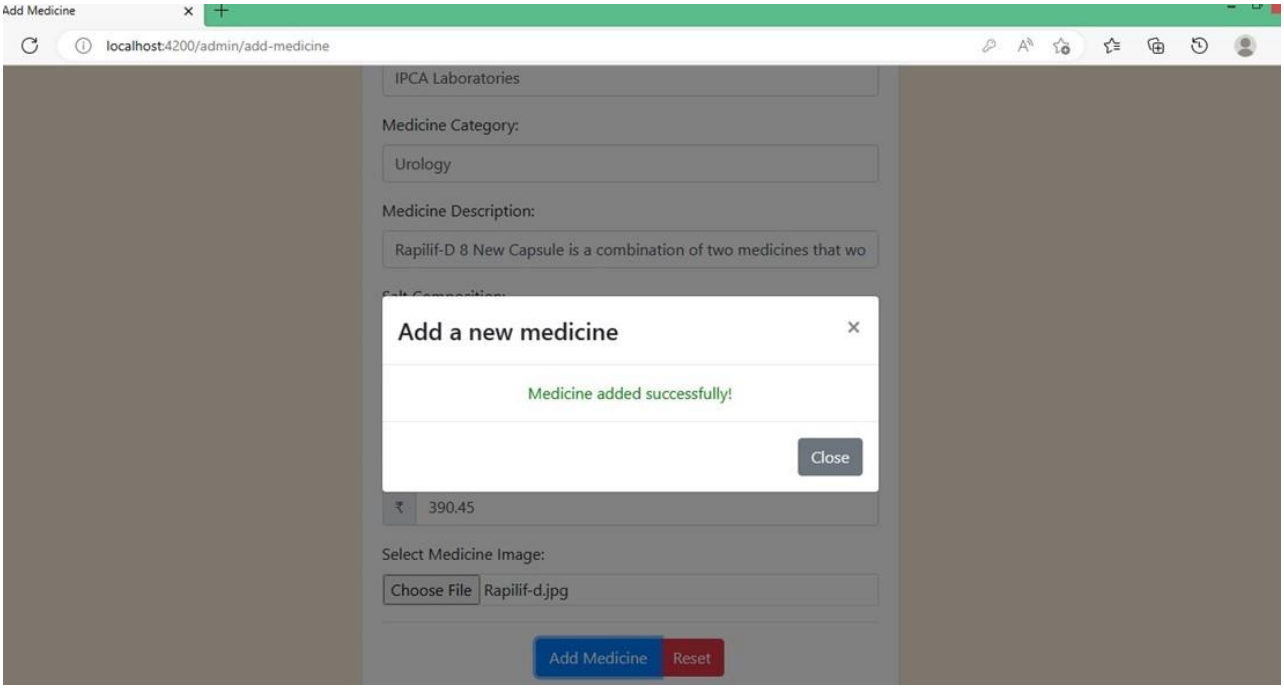


4. On Clicking Add Medicine:

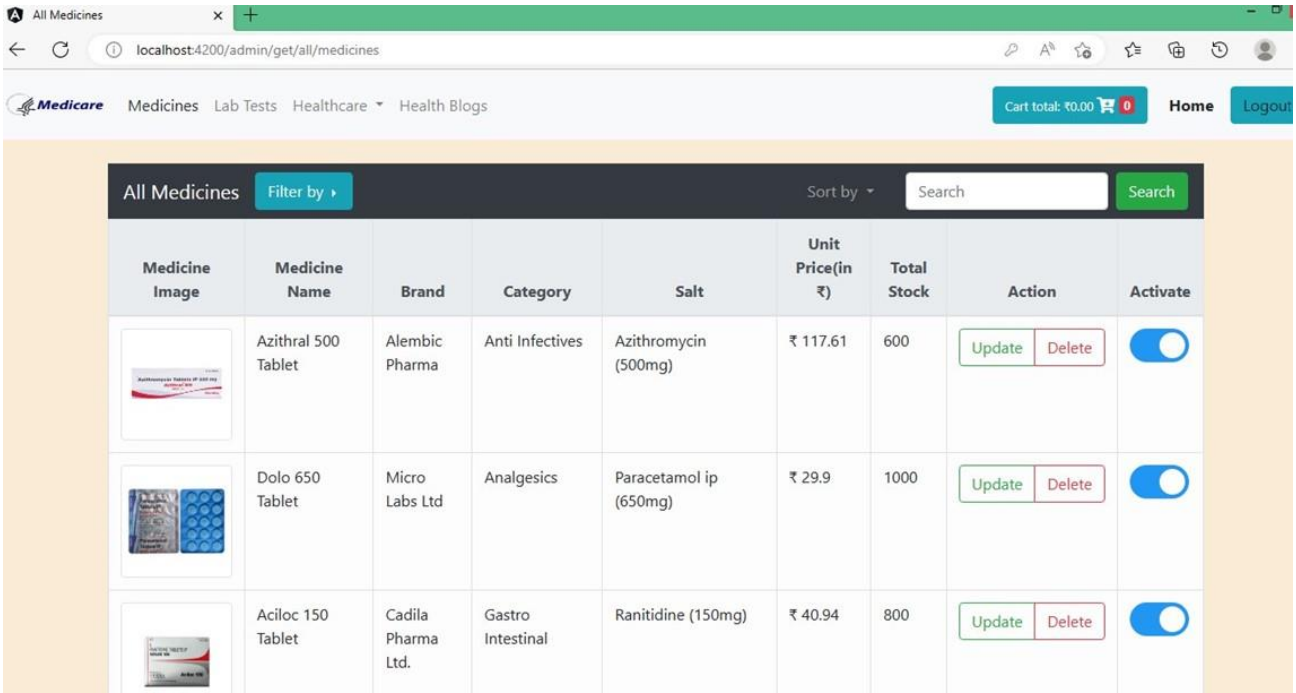


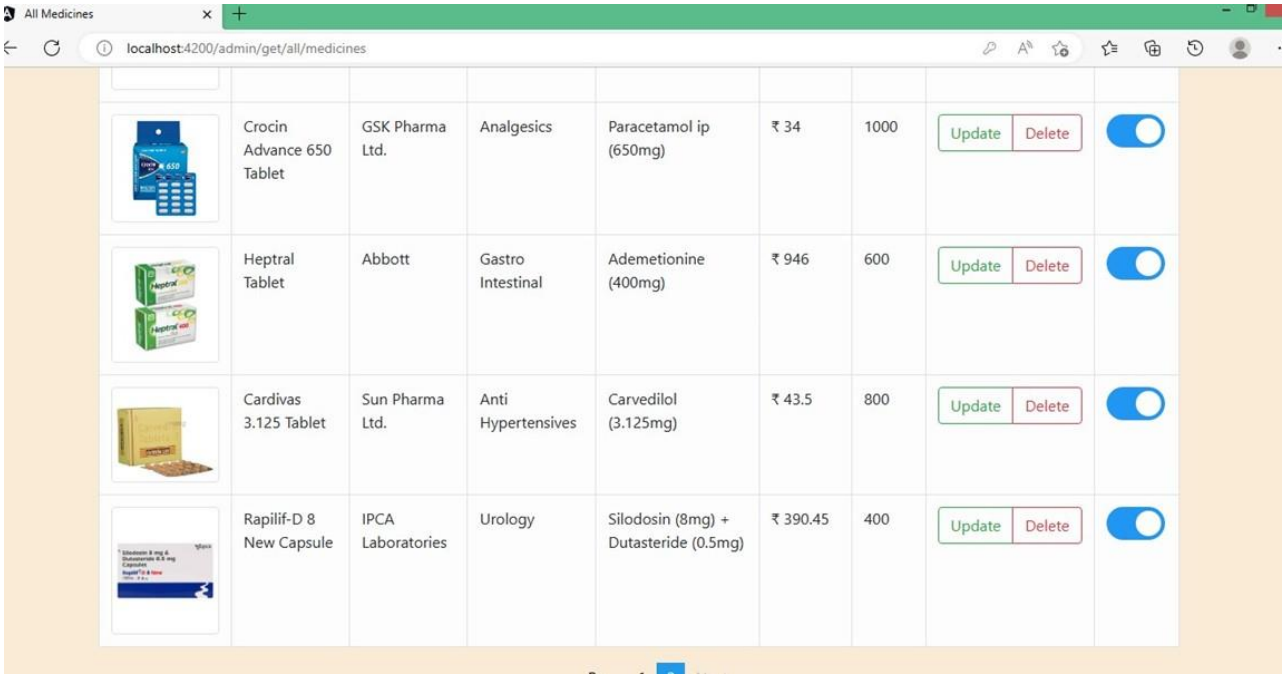

Add Medicine
localhost:4200/admin/add-medicine
IPCA Laboratories
Medicine Category:
Urology
Open
This PC ▸ Downloads ▸ Images
Search Images
Organize
New folder
Recent places
Homegroup
This PC
Desktop
Documents
Downloads
Music
Pictures
Videos
Local Disk (C:)
Local Disk (E:)
blet
72-10000155-1
et-10
concor-cor-2-5mg-tablet-10
cro0023
Heptral 200_4006001PPS0
metformin-tablet
Rapilif-d
Telista-CL-16530 40629-10026290-1
File name: Rapilif-d
All files
Open
Cancel


Add Medicine
localhost:4200/admin/add-medicine
IPCA Laboratories
Medicine Category:
Urology
Medicine Description:
Rapilif-D 8 New Capsule is a combination of two medicines that wo
Salt Composition:
Silodosin (8mg) + Dutasteride (0.5mg)
Total Stock (In Strip):
400
Unit Price:
₹ 390.45
Select Medicine Image:
Choose File Rapilif-d.jpg
Add Medicine
Reset

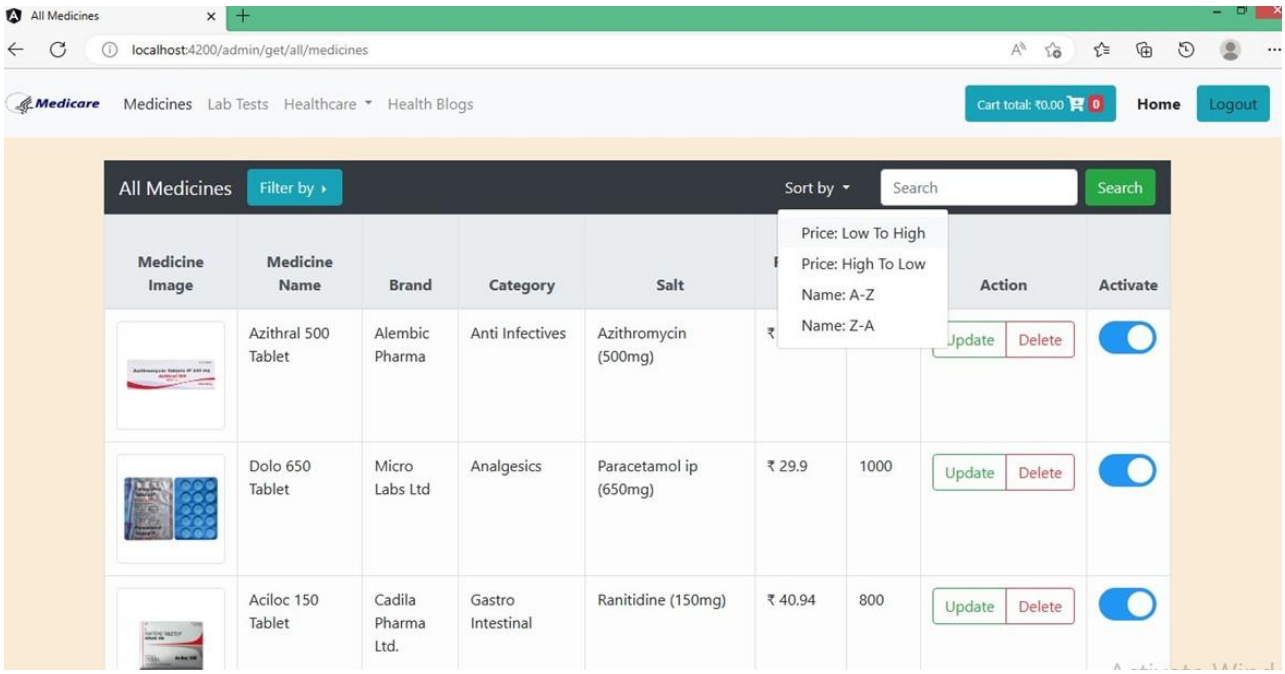


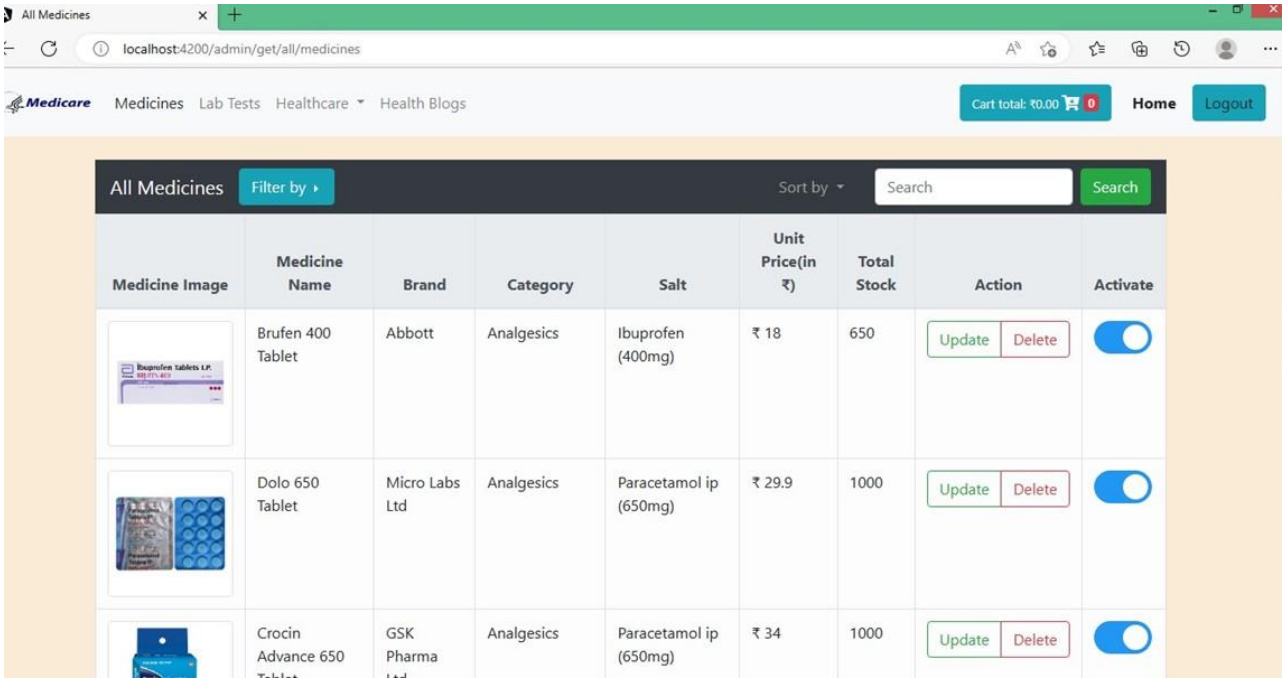
5. On clicking show all medicines:



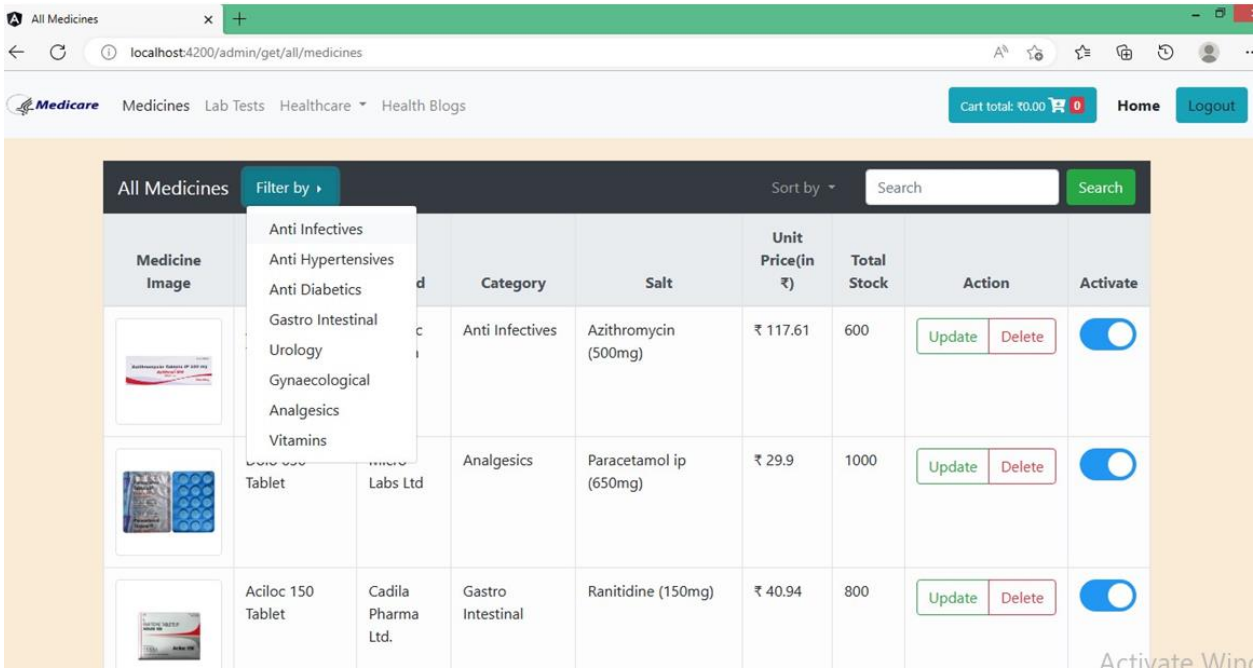


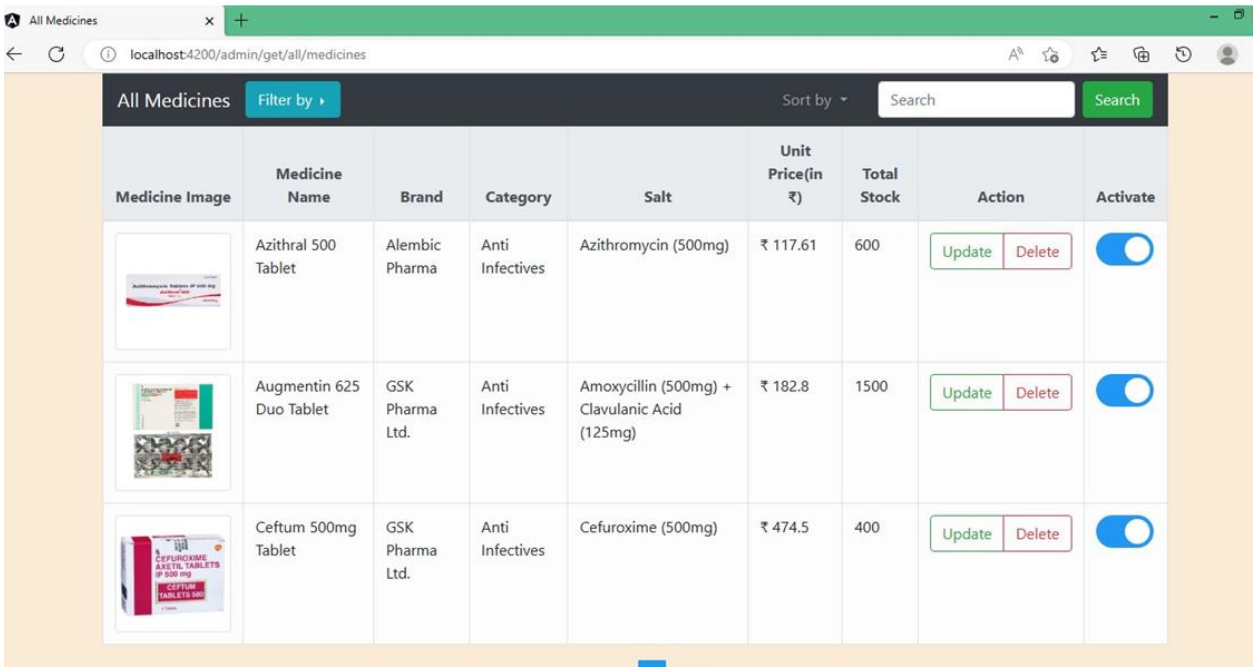
6. On clicking sort by price: Low to High



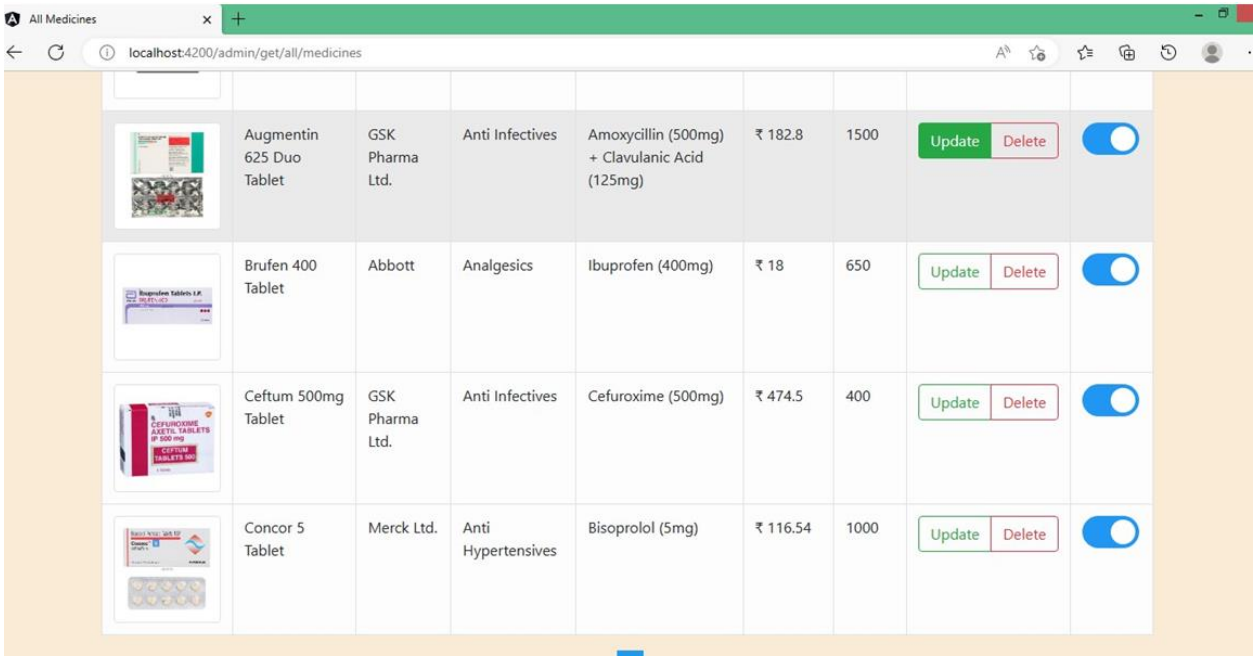


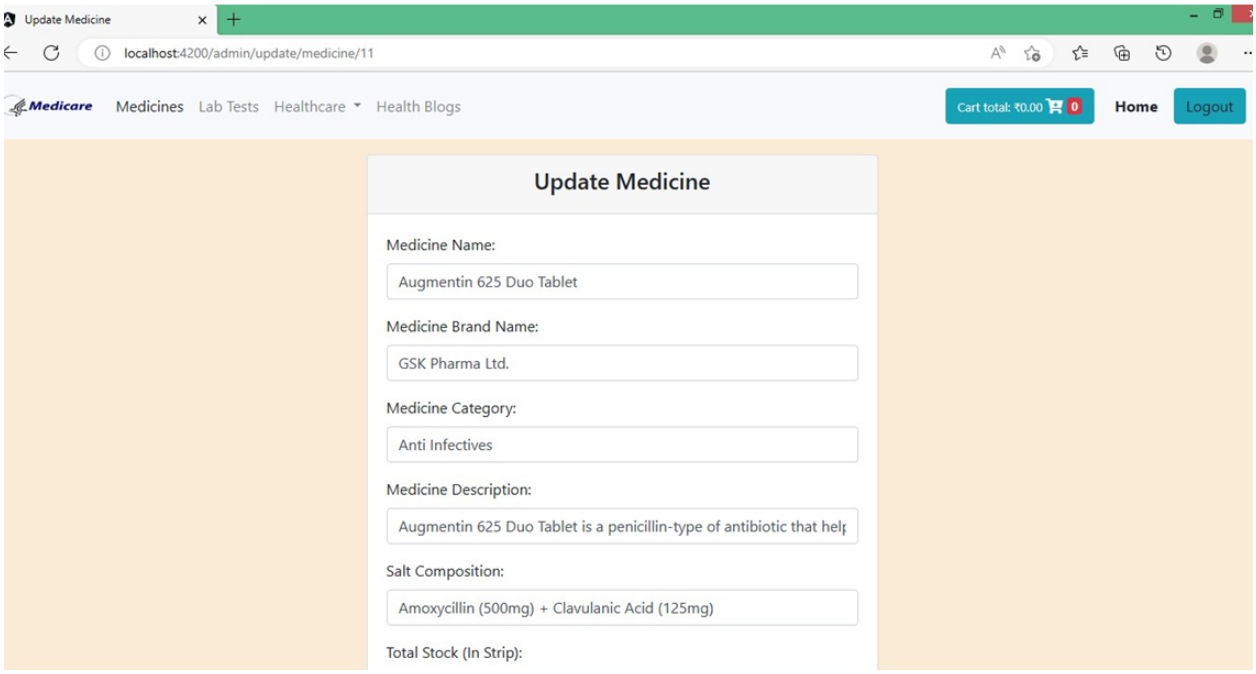
7. On clicking Filter By Anti Infectives:

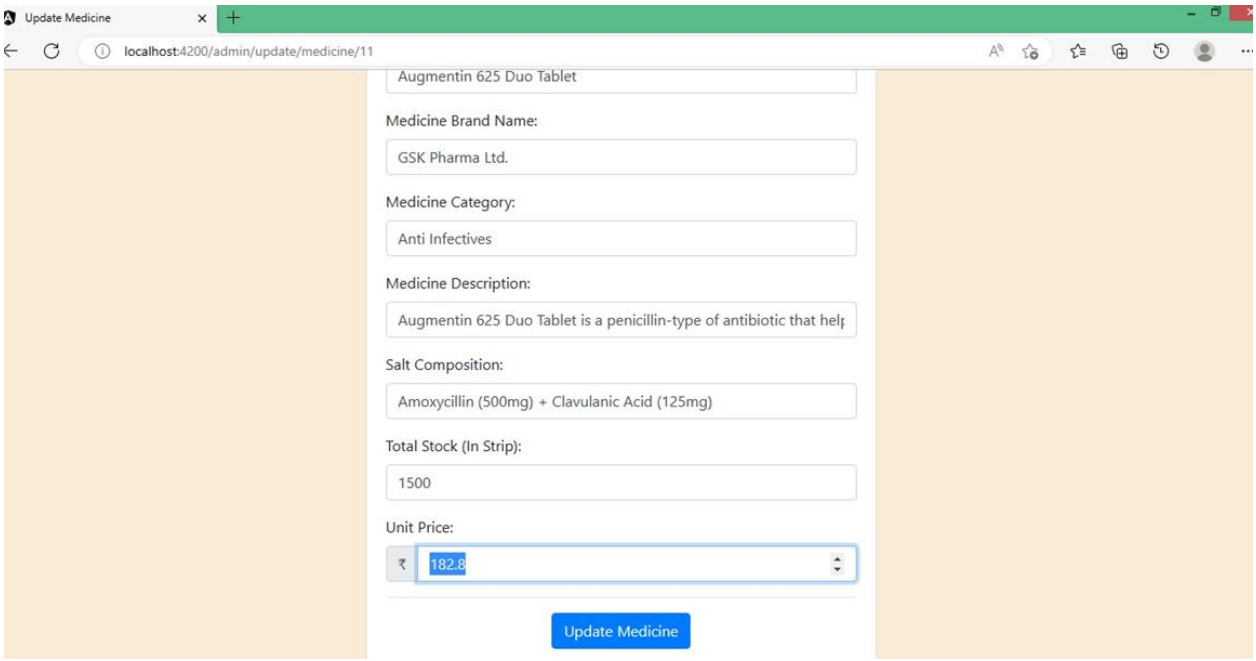


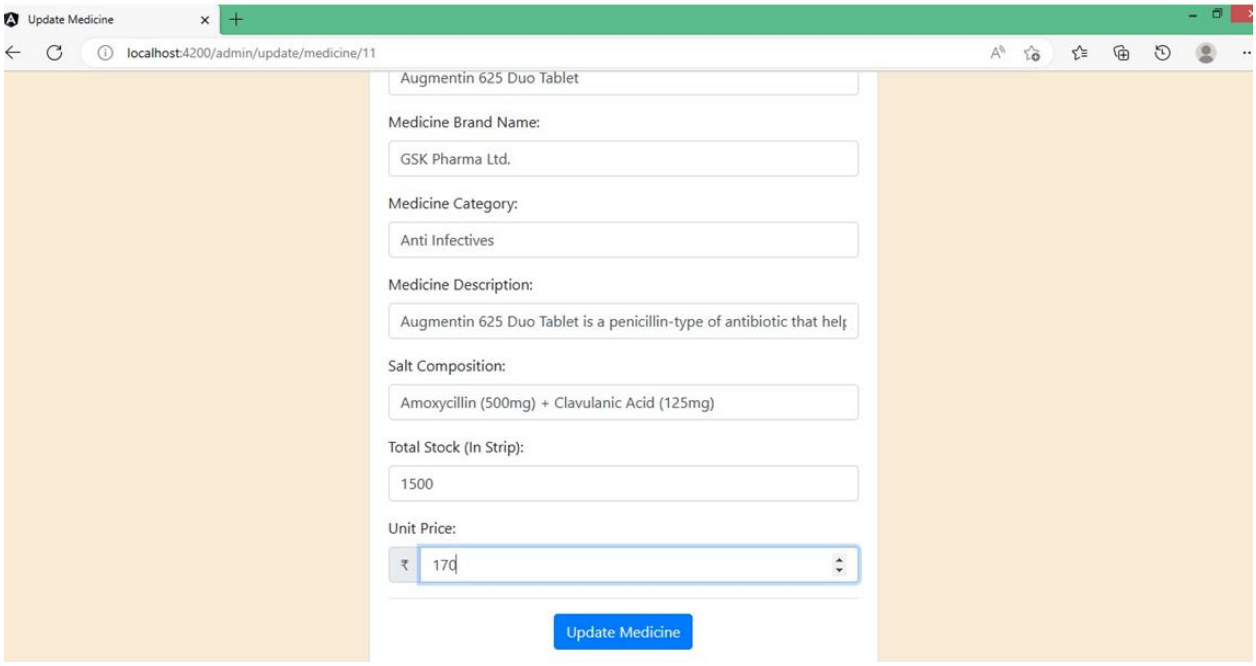


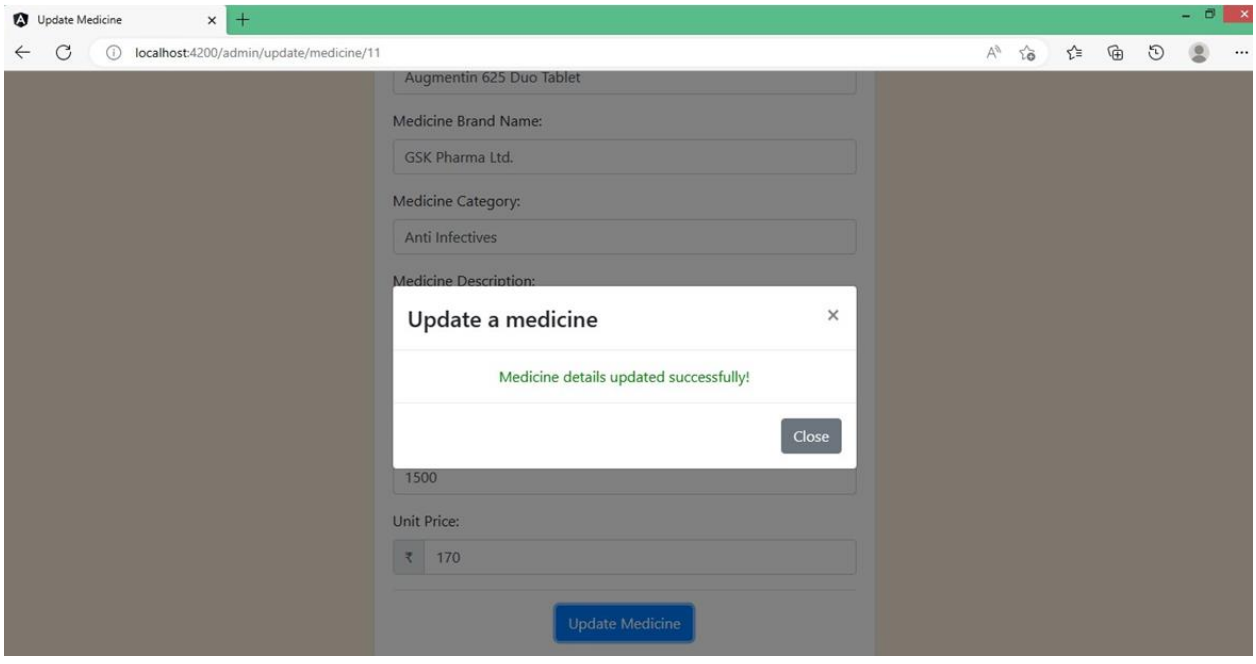
8. On clicking Update on selected medicines and updating price:

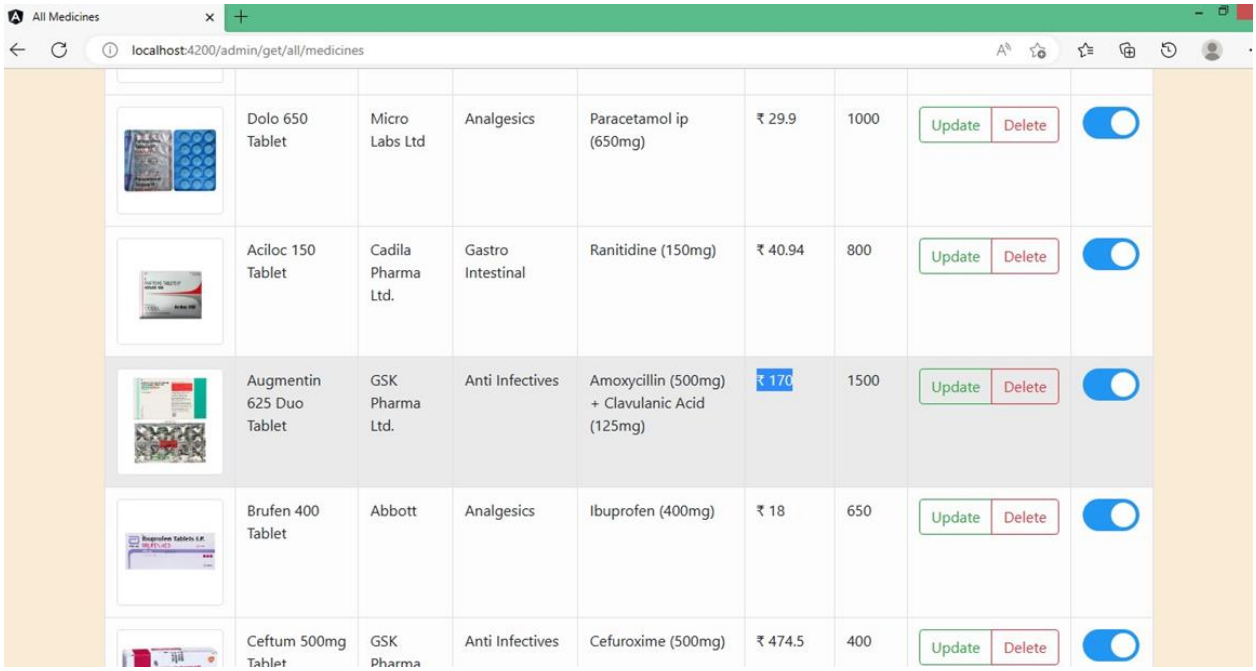



Update Medicine
localhost:4200/admin/update/medicine/11
Medicare
Medicines
Lab Tests
Healthcare
Health Blogs
Cart total: ₹0.00
0
Home
Logout
Update Medicine
Medicine Name:
Augmentin 625 Duo Tablet
Medicine Brand Name:
GSK Pharma Ltd.
Medicine Category:
Anti Infectives
Medicine Description:
Augmentin 625 Duo Tablet is a penicillin-type of antibiotic that helr
Salt Composition:
Amoxycillin (500mg) + Clavulanic Acid (125mg)
Total Stock (In Strip):

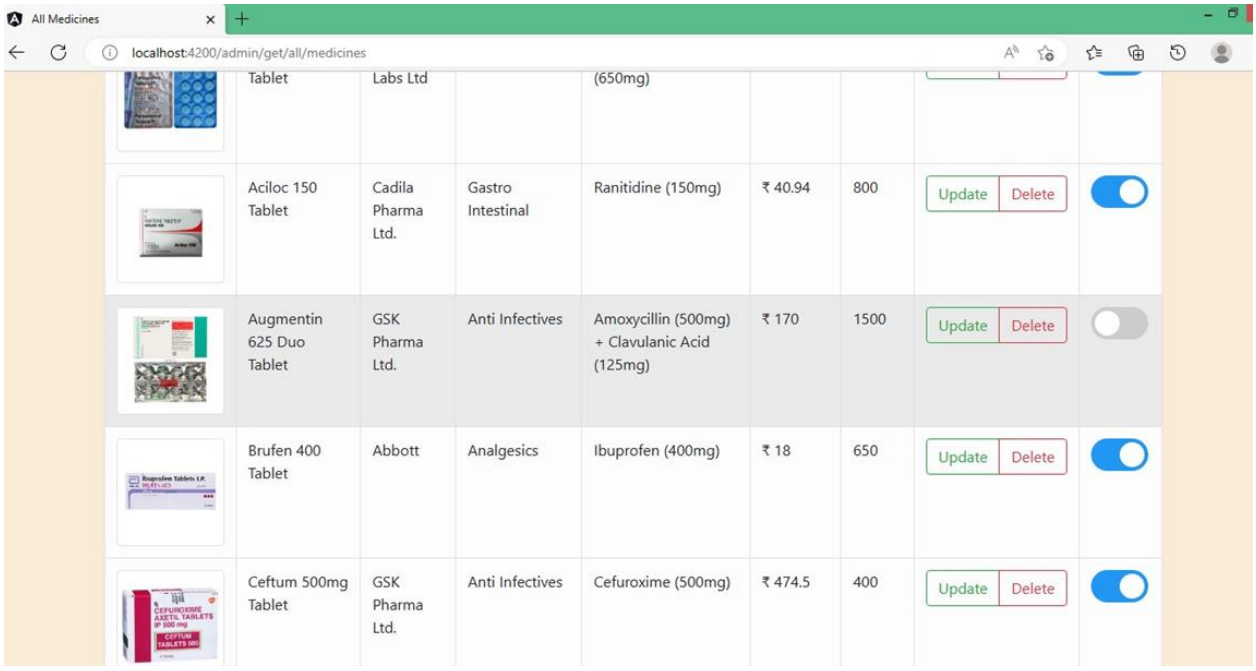

Update Medicine
localhost:4200/admin/update/medicine/11
Augmentin 625 Duo Tablet
Medicine Brand Name:
GSK Pharma Ltd.
Medicine Category:
Anti Infectives
Medicine Description:
Augmentin 625 Duo Tablet is a penicillin-type of antibiotic that helr
Salt Composition:
Amoxycillin (500mg) + Clavulanic Acid (125mg)
Total Stock (In Strip):
1500
Unit Price:
₹
182.8
Update Medicine

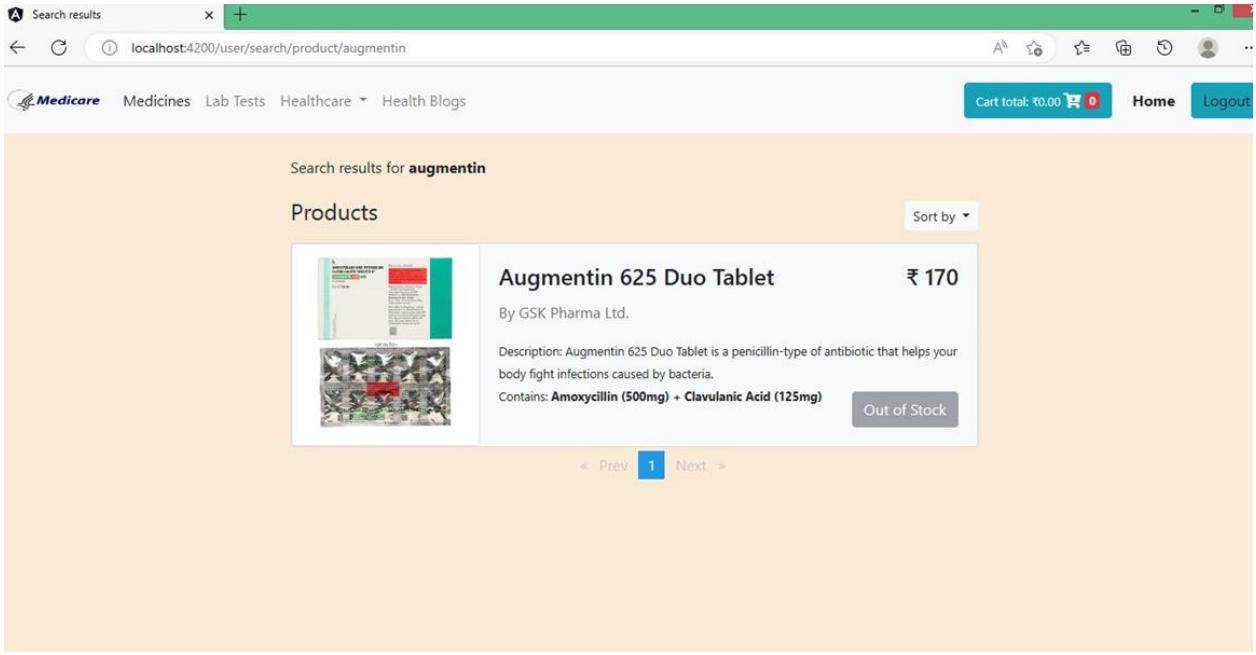

Update Medicine
localhost:4200/admin/update/medicine/11
Augmentin 625 Duo Tablet
Medicine Brand Name:
GSK Pharma Ltd.
Medicine Category:
Anti Infectives
Medicine Description:
Augmentin 625 Duo Tablet is a penicillin-type of antibiotic that hel
Salt Composition:
Amoxycillin (500mg) + Clavulanic Acid (125mg)
Total Stock (In Strip):
1500
Unit Price:
₹ 170
Update Medicine


Update Medicine
localhost:4200/admin/update/medicine/11
Augmentin 625 Duo Tablet
Medicine Brand Name:
GSK Pharma Ltd.
Medicine Category:
Anti Infectives
Medicine Description:
Update a medicine
Medicine details updated successfully!
Close
1500
Unit Price:
₹ 170
Update Medicine

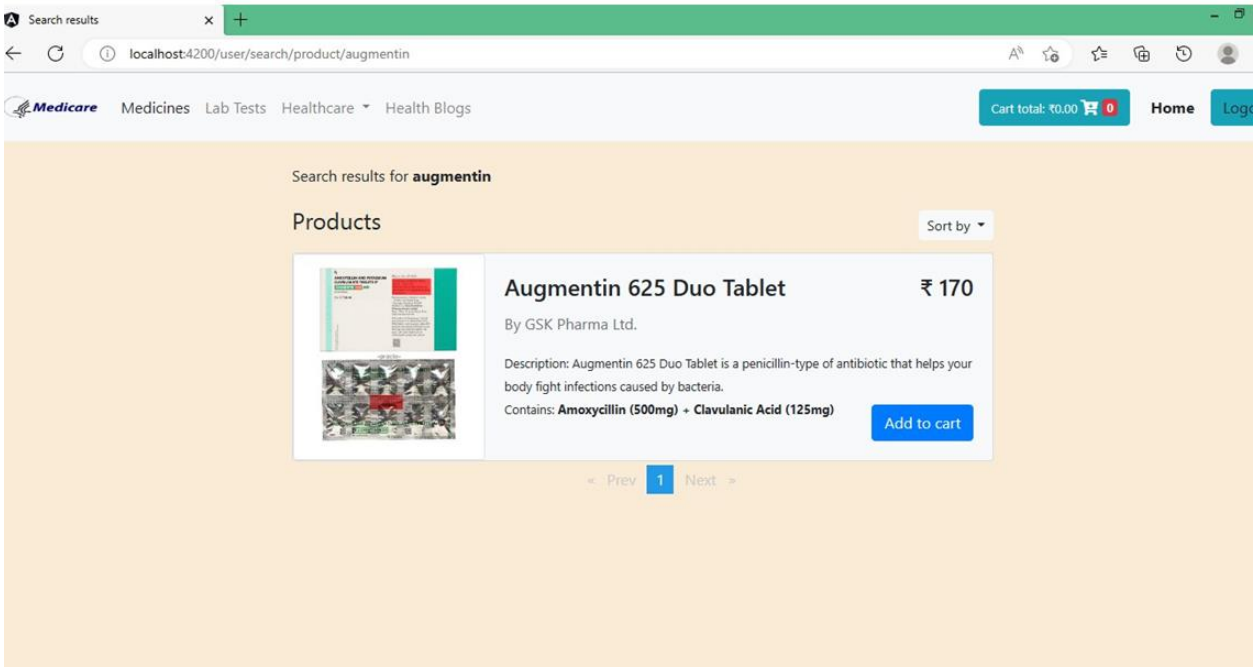


9. On clicking on switch:

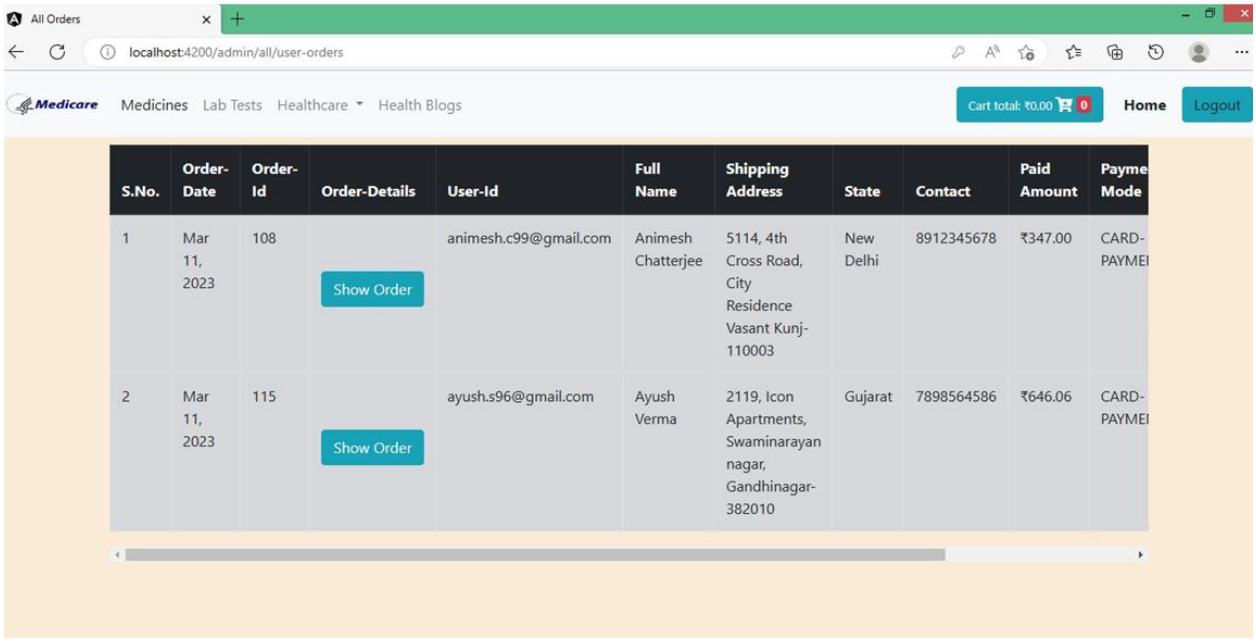


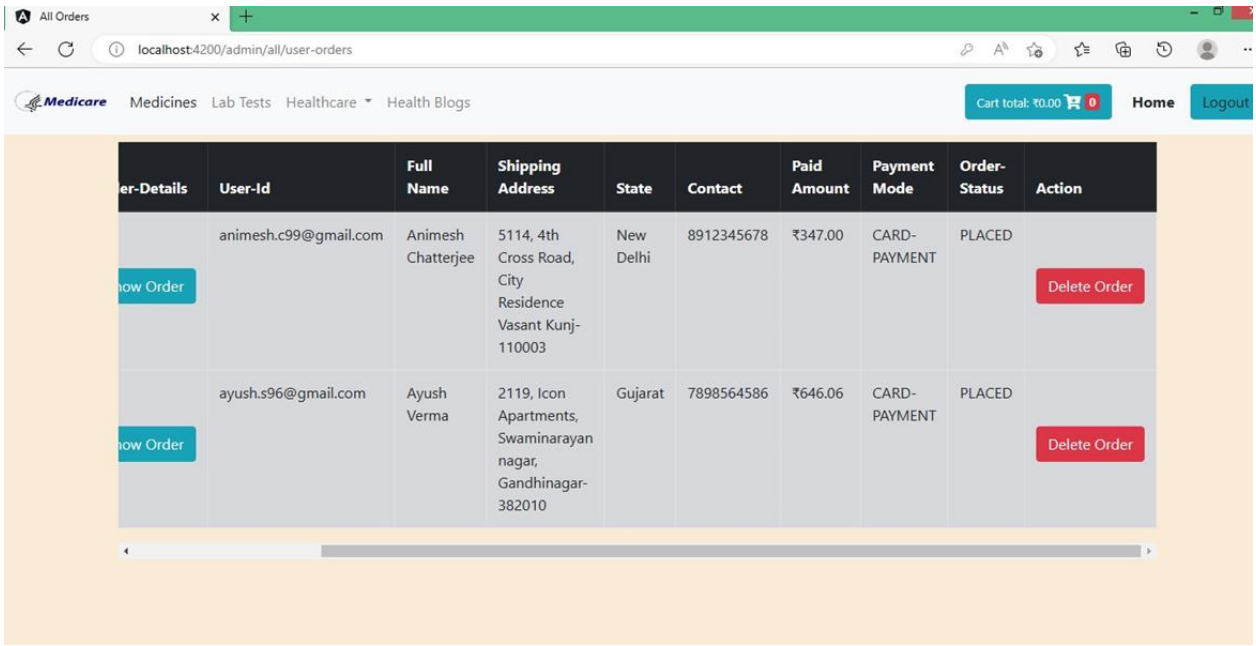


10.By again clicking on switch, medicine will be available:

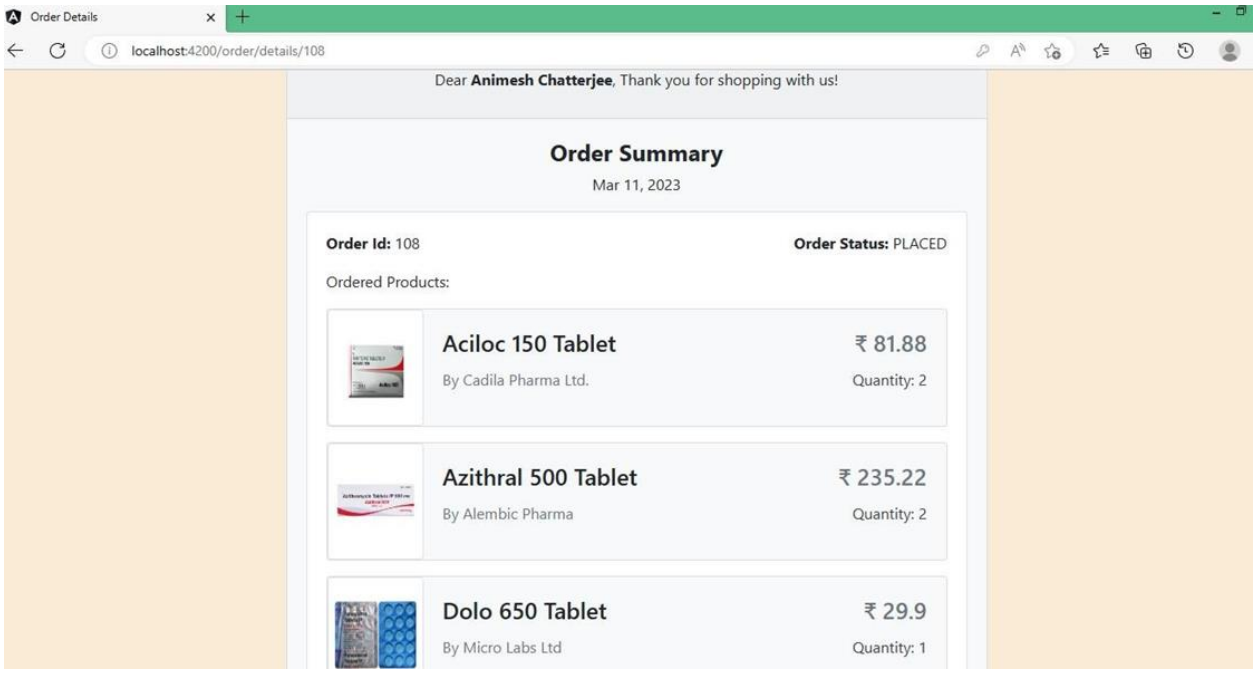


11.On Clicking show all orders:

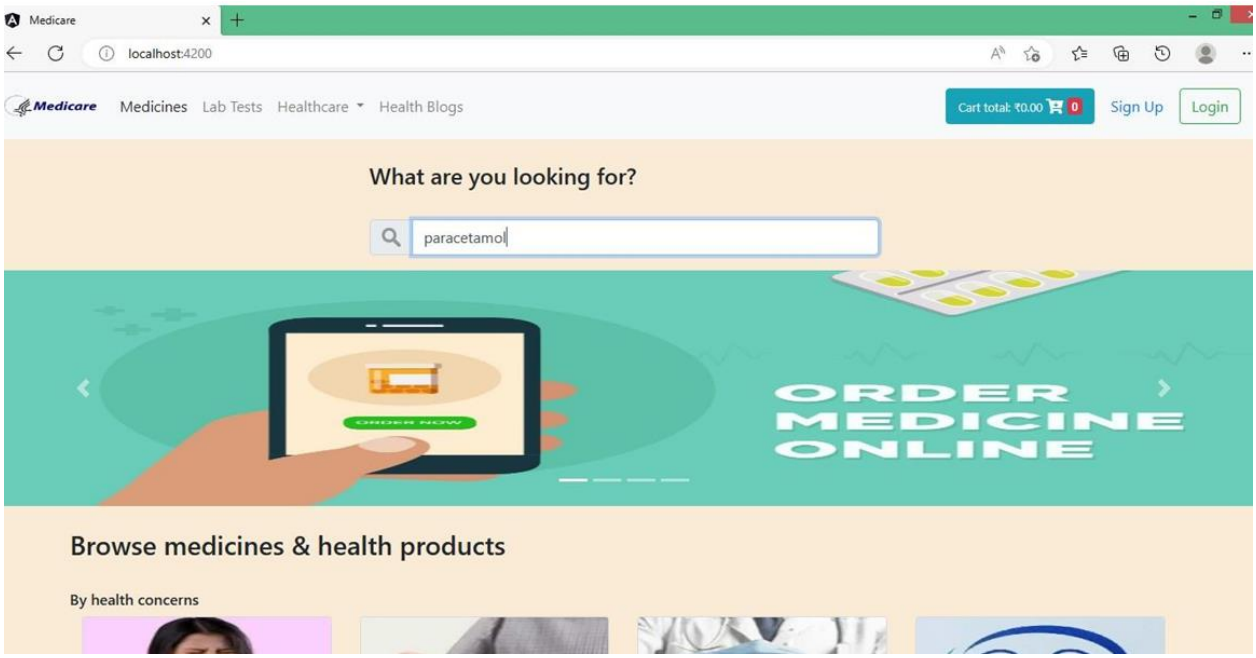


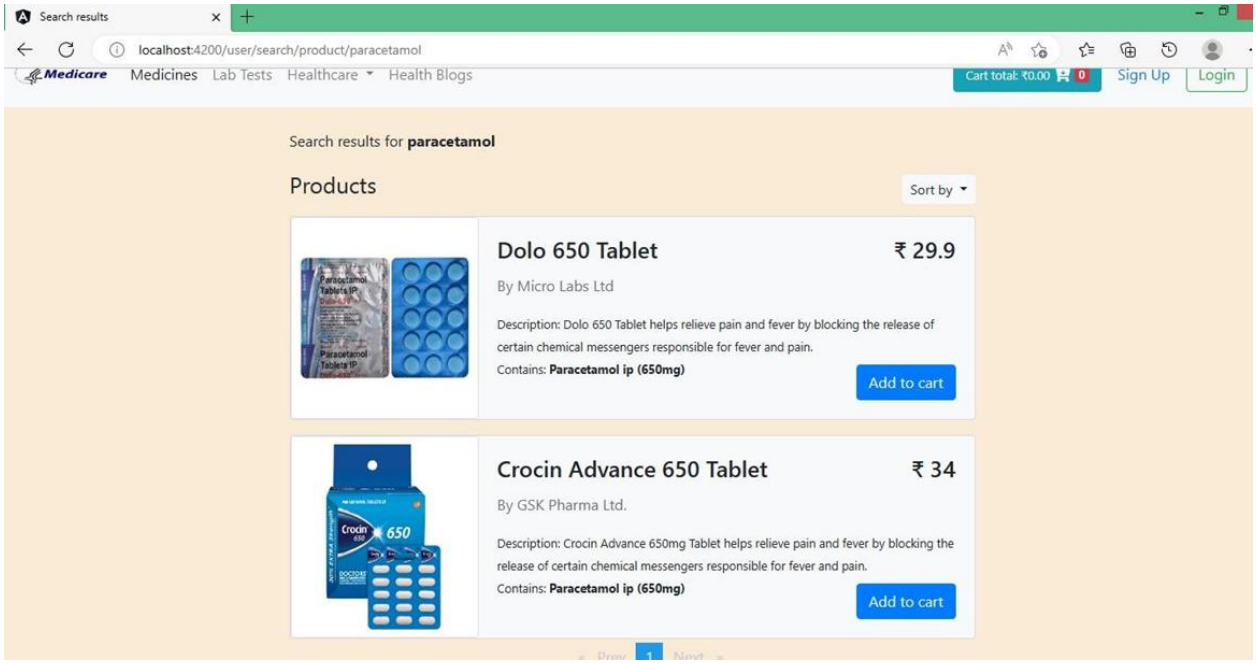


12. On clicking Show Order:

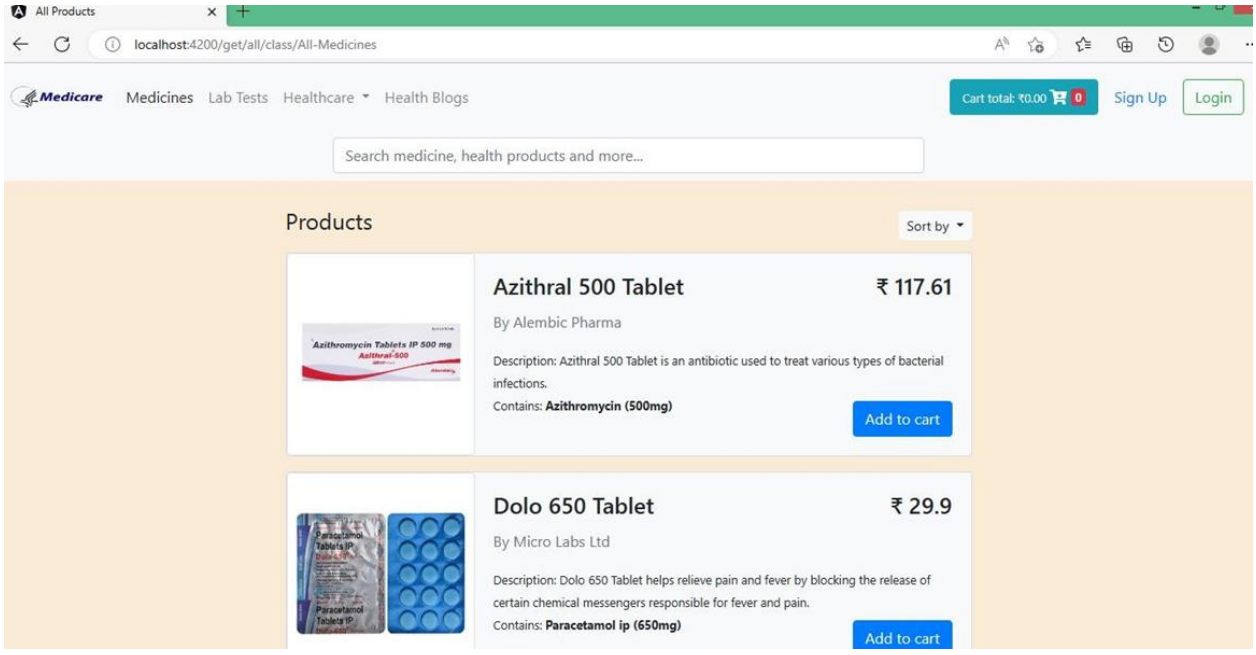


13. Searching medicine by salt name or name from home page:

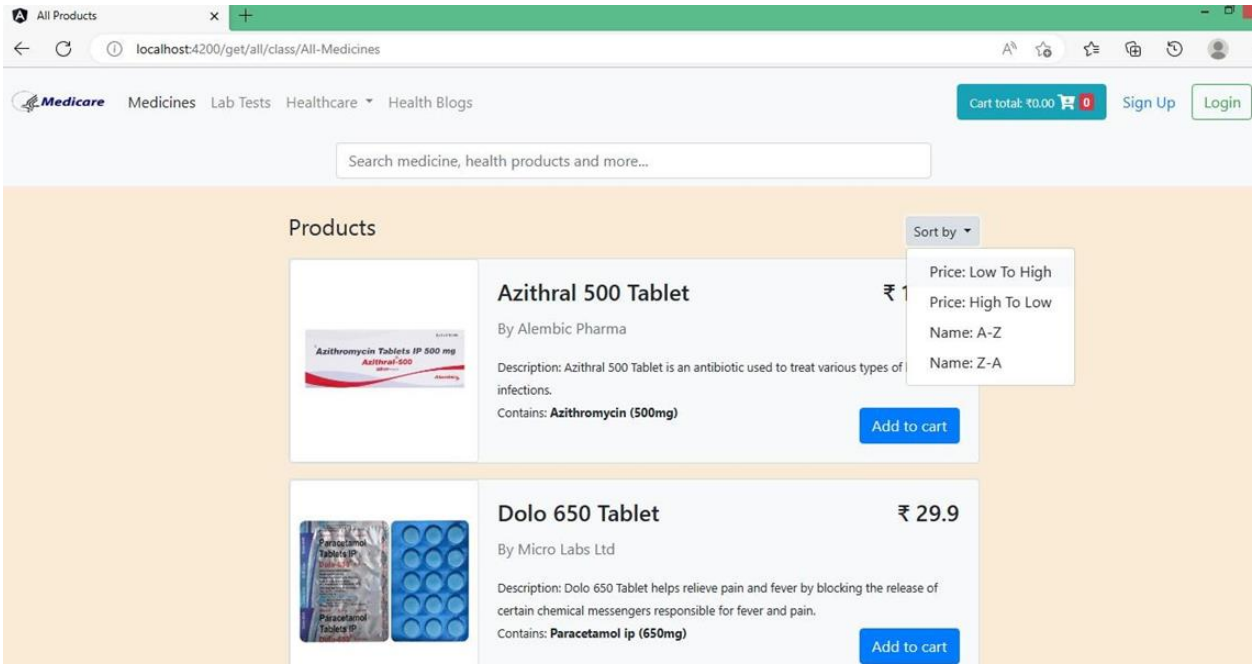


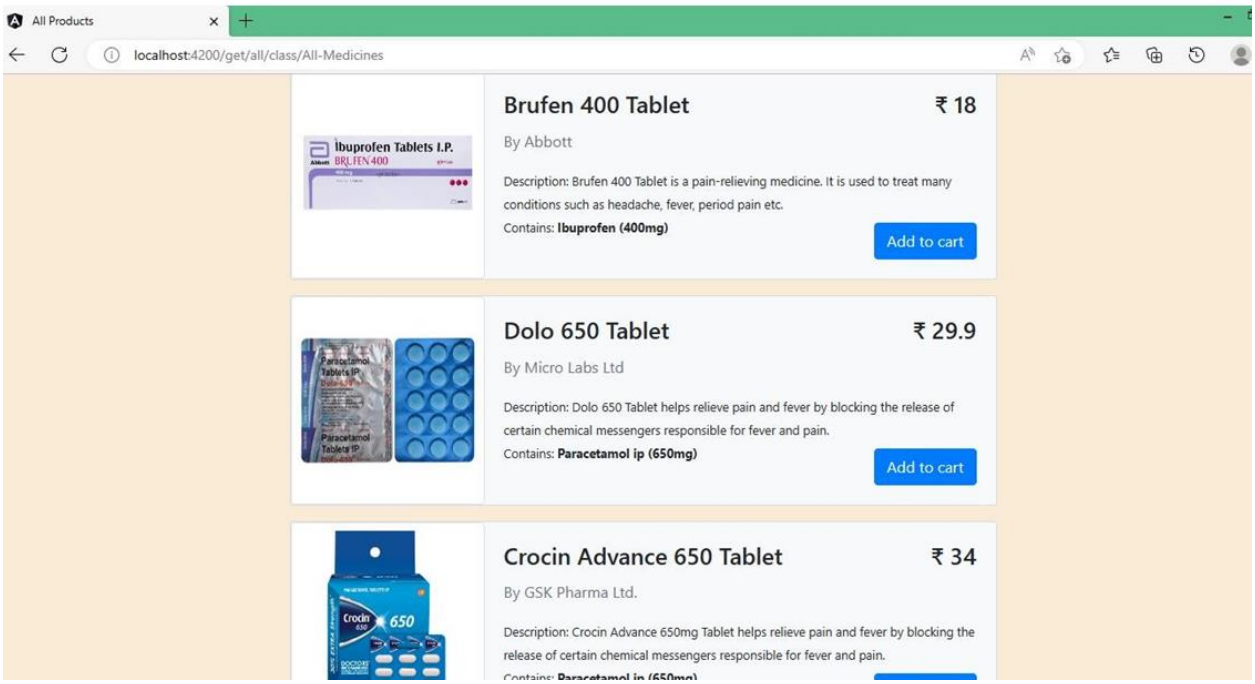


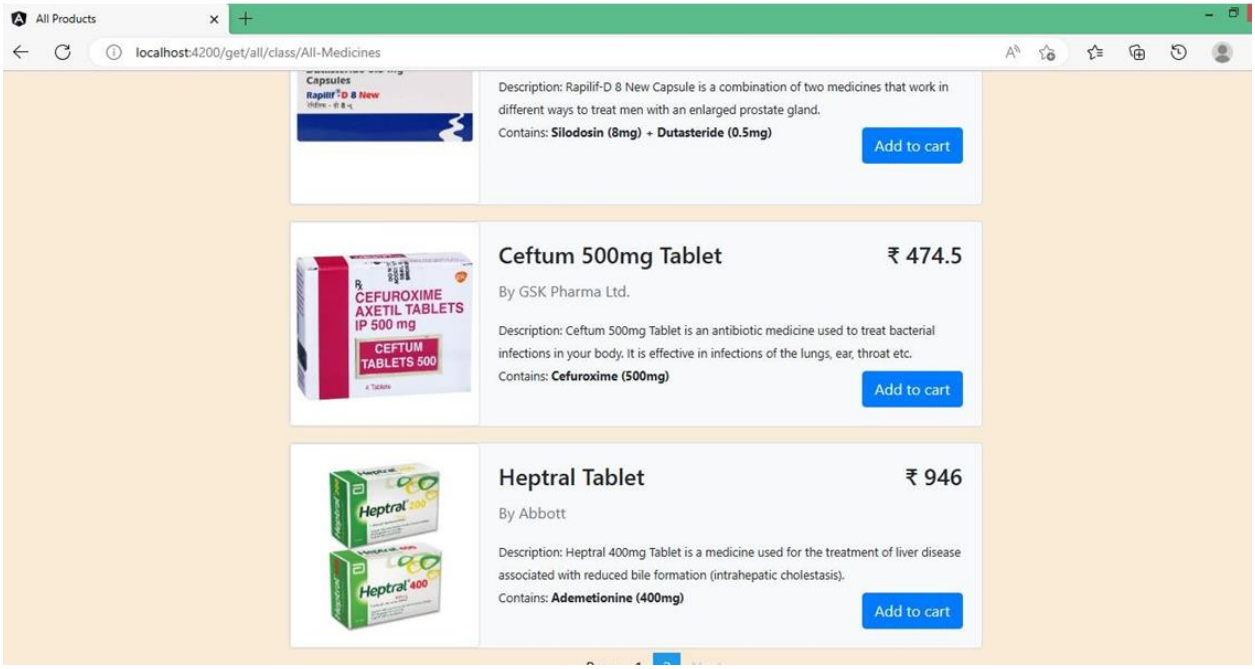
14. On Clicking Medicines will show all medicines:



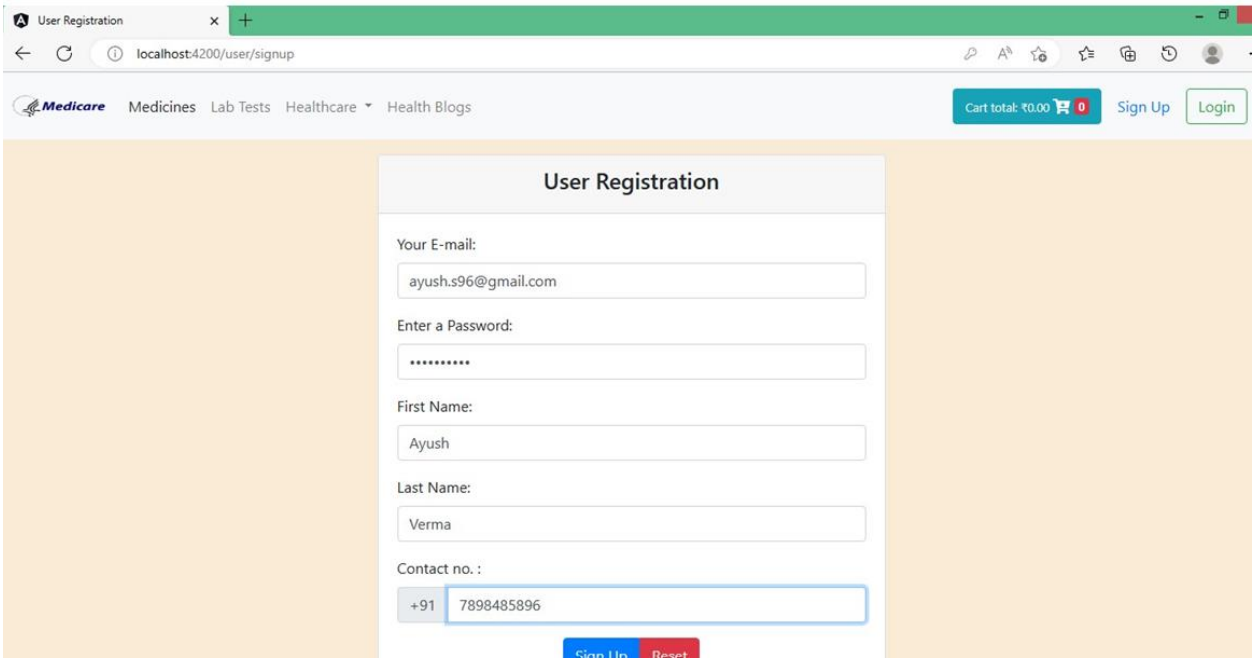
15. On clicking Sort By price low to high:

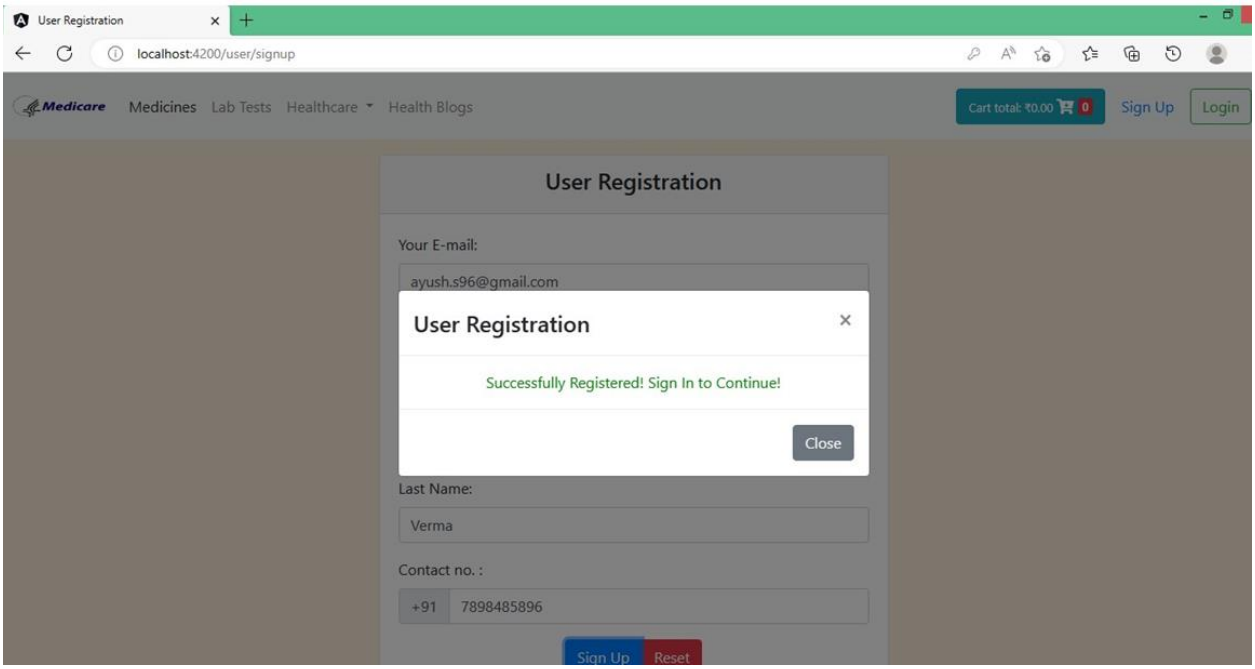




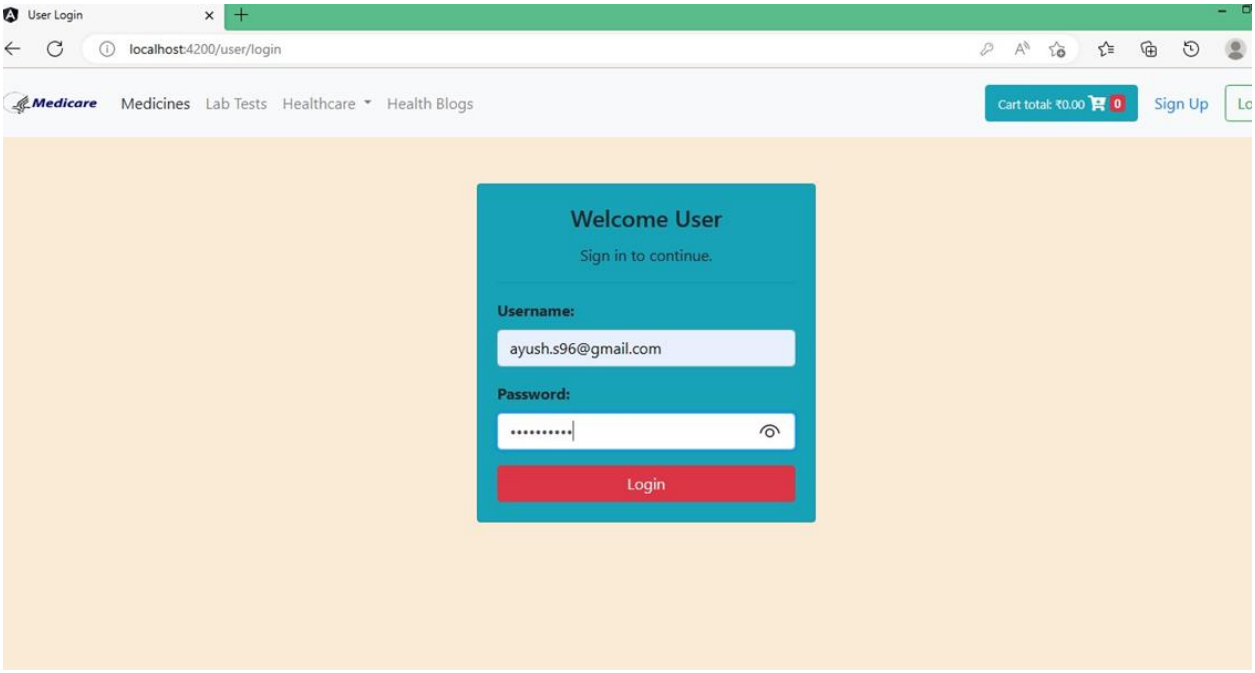


16. On clicking Signup:

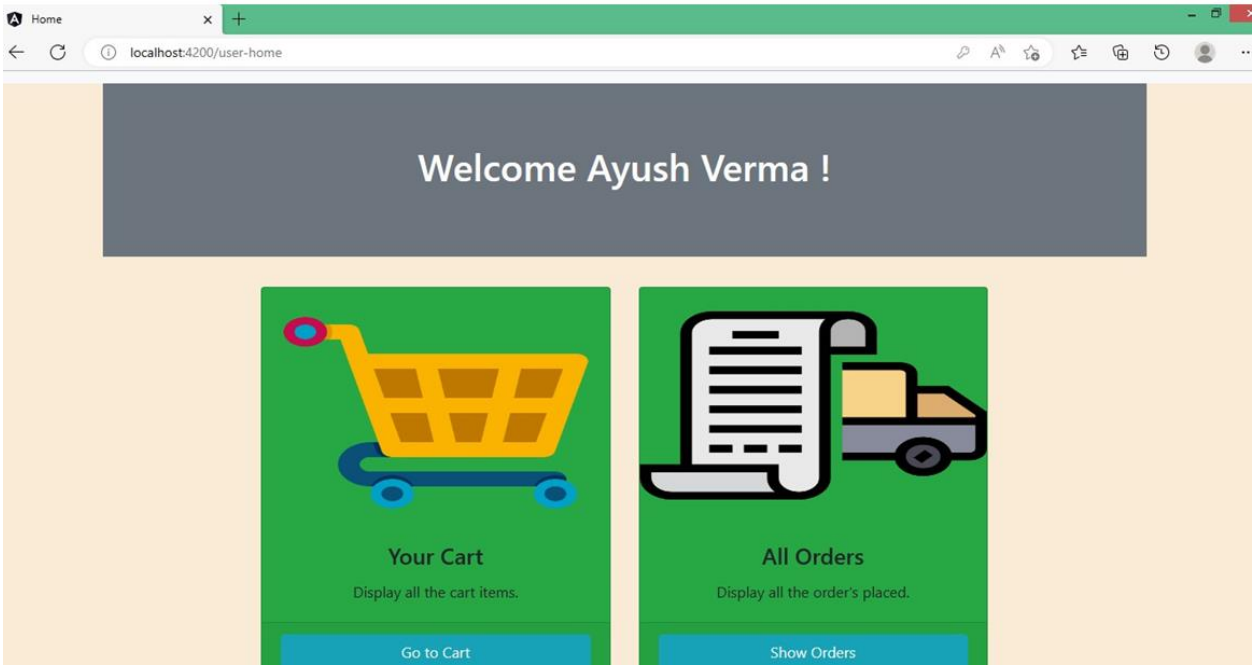




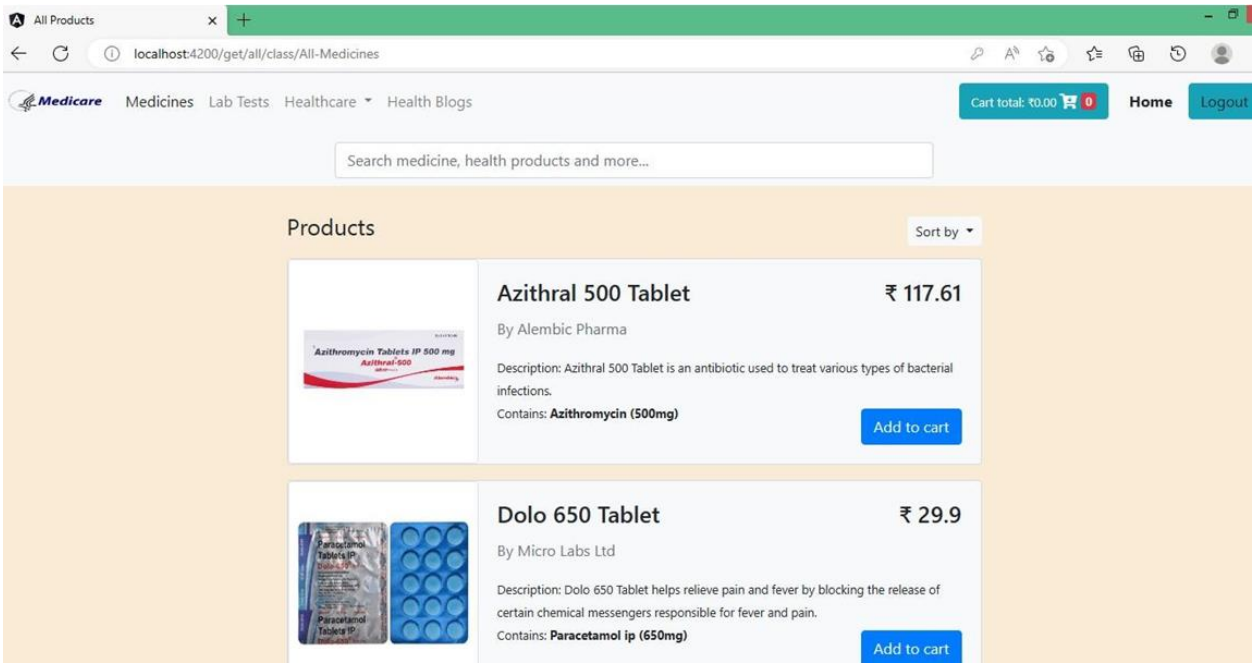
17. On Clicking login:



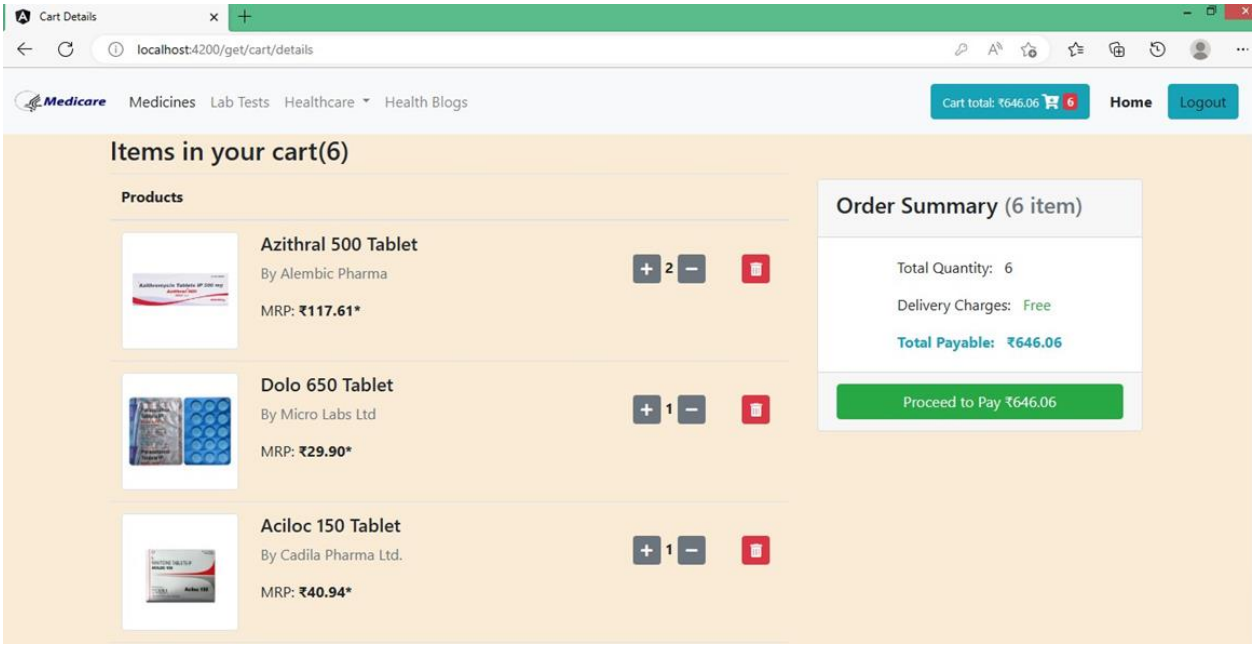
User Home:

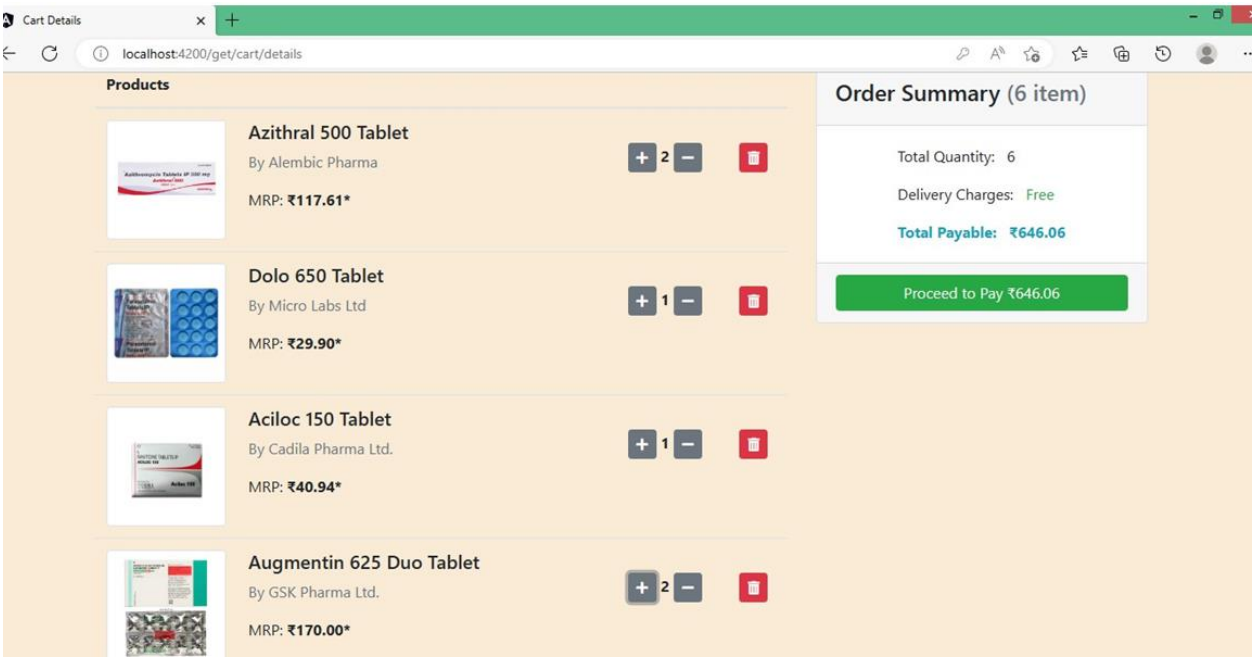


18. On selecting medicines and Clicking on Add To Cart:

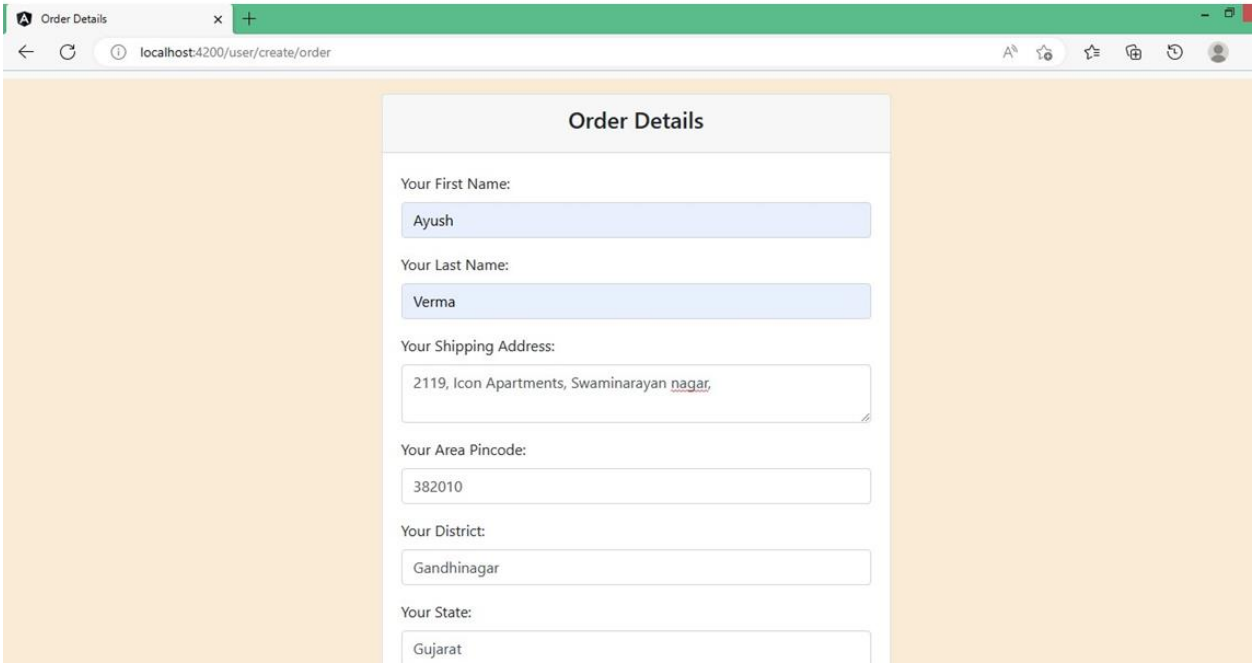


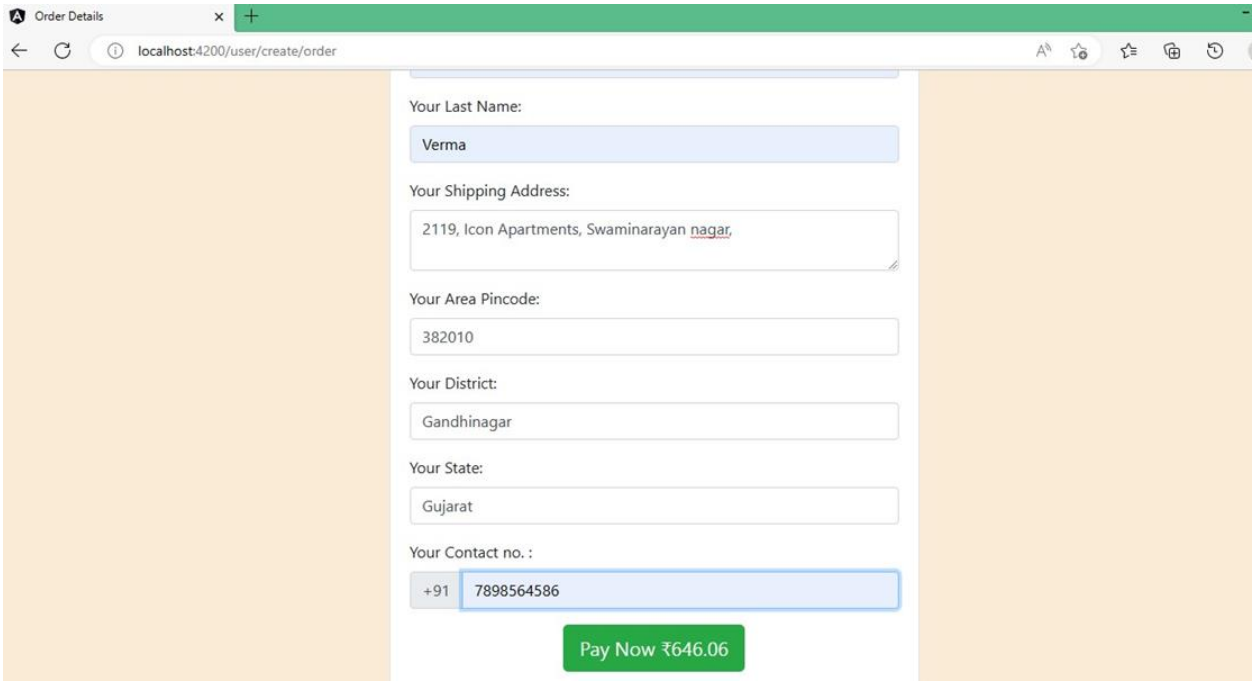
On Clicking cart total:



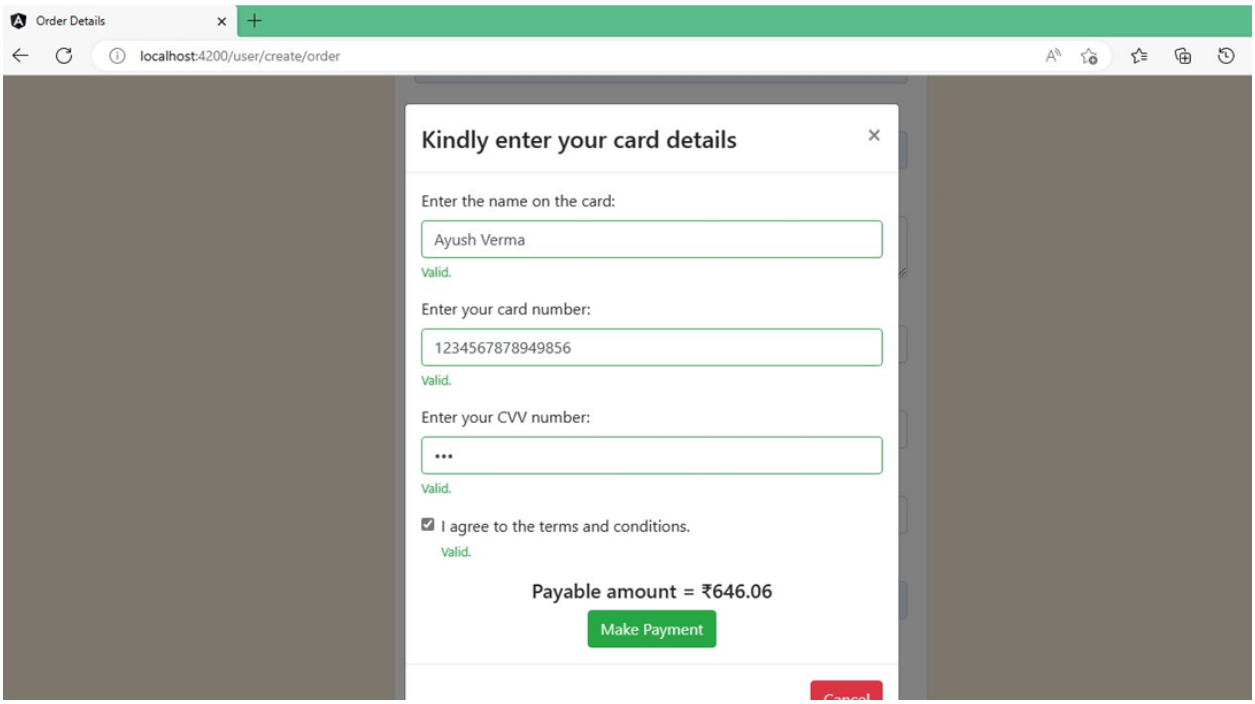


On clicking Proceed to pay and giving order details:

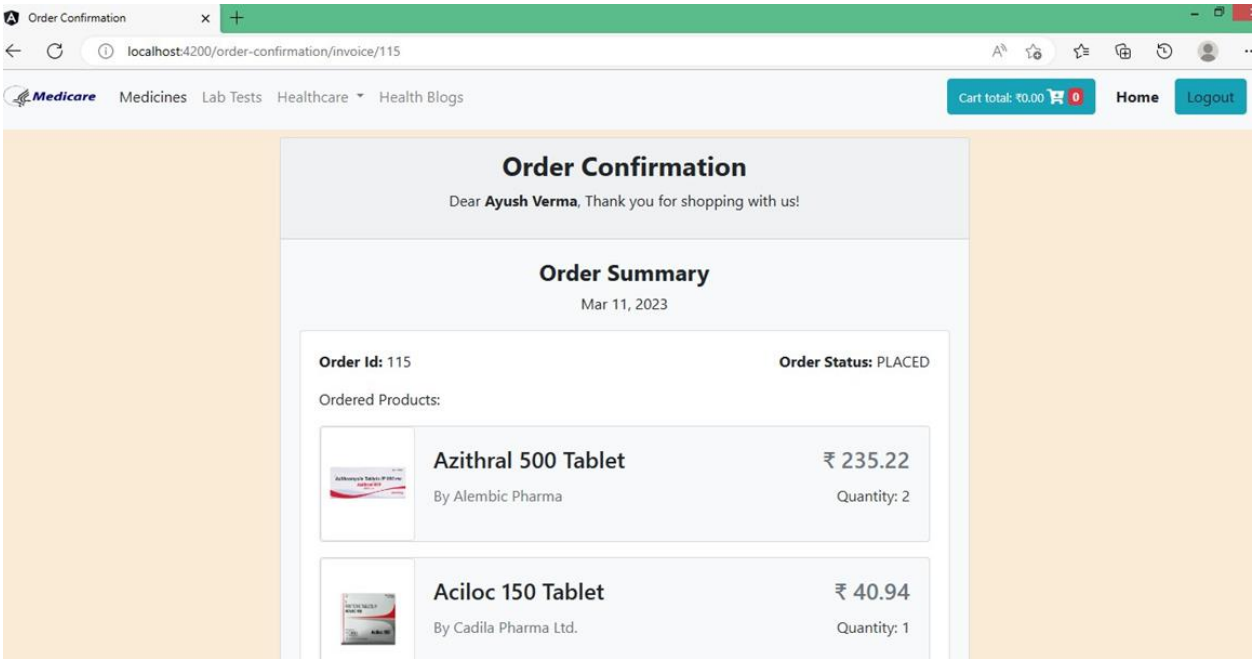


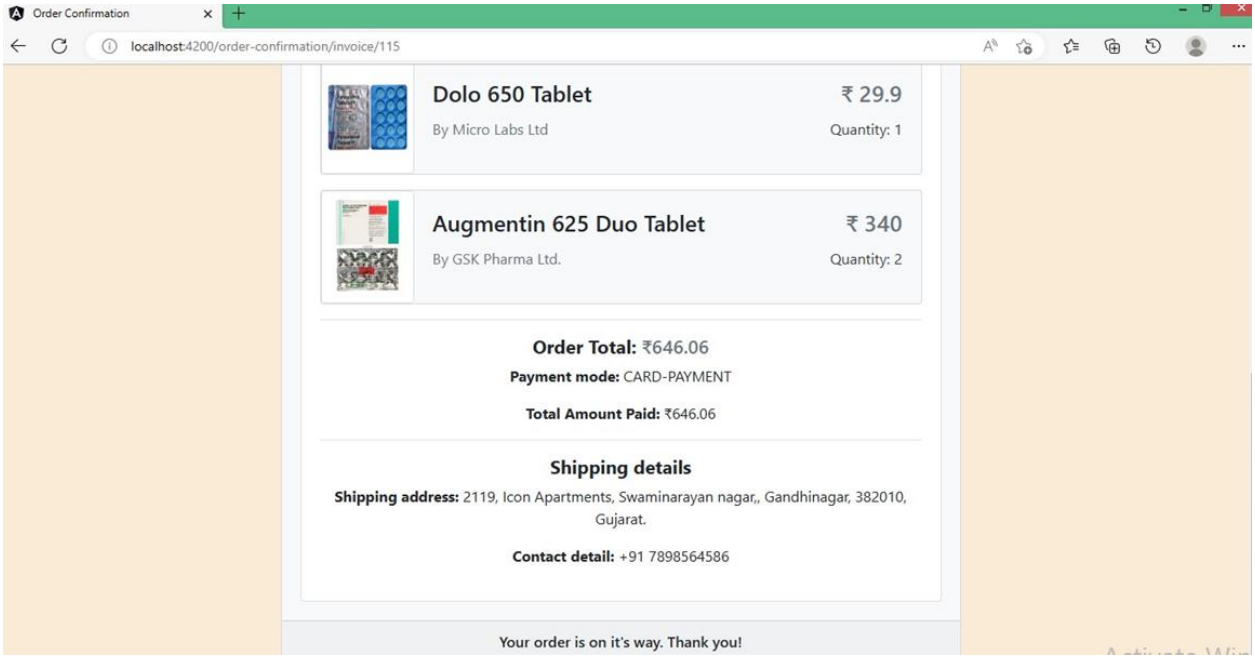


On Clicking pay now:

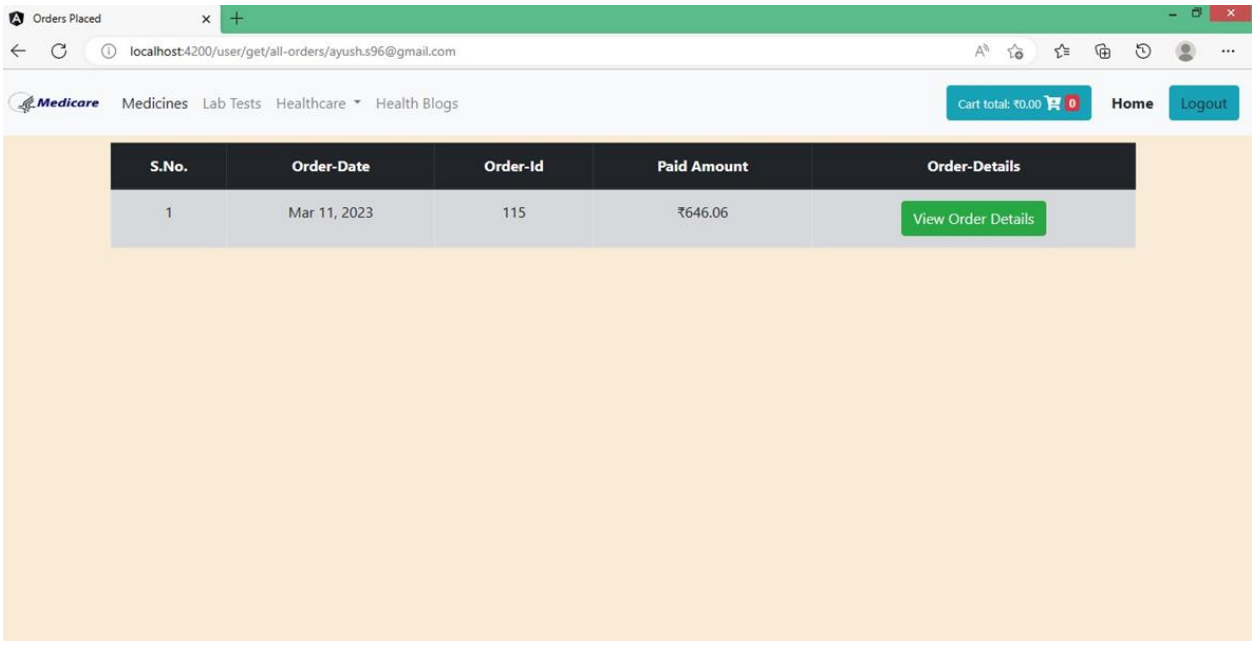


After clicking make payment, Order is confirmed:

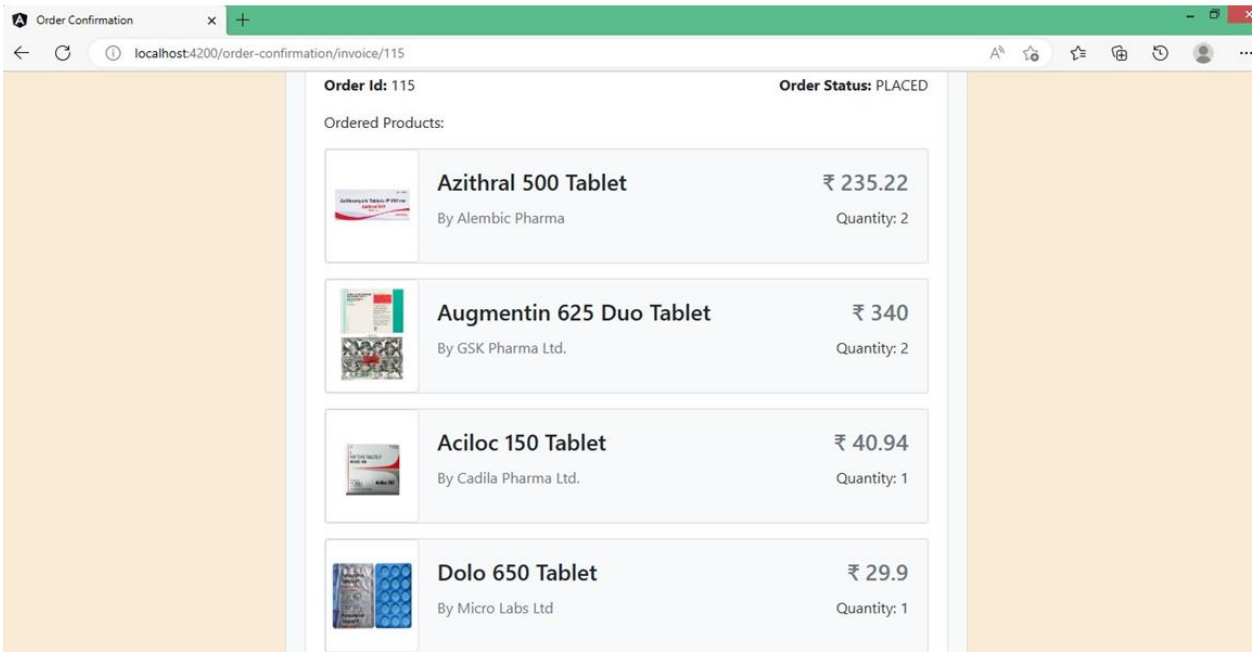




On clicking Show Orders from User Home:



On clicking View Order Details:



GiHub Repository link:

https://github.com/garimakumar/Capstone-Project-MEDICARE-Final-Project.git