

Project Report  
On  
“SHOP FOR HOME”

**BY GROUP 2 MEMBERS:**

**IDHANT SHARMA**

**PORALA Md SHAKEER**

**SMITHA BM**

**VARSHITHA D**



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# **CHAPTER 1**

## **INTRODUCTION**

### **1.1 ONLINE SHOPPING**

Now a days the life style of the people is different. People feel uncomfortable and time consuming for going crowded markets. So, E-Shopping is a boon as it saves lot of time. Online shopping is a process whereby consumers directly buy goods, services etc. from a seller without an intermediary service over the Internet. Shoppers can visit web stores from the comfort of their house and shop as by sitting in front of the computer. Online stores are usually available 24 hours a day and many consumers have internet access both at work and at home. So it is very convenient for them to shop Online. One of the most enticing factors about online shopping, particularly during holiday season is, it alleviates the need to wait in long lines or search from a store for a particular item. Variety of goods are available in online.

Shop for home is a popular store in the market for shopping online. In this project we created a ecommerce website to provide all the services to the users through online.

### **1.2 PROBLEM STATEMENT**

Shop For Home is a popular Store in the market for shopping the home décor stuff. Due to Covid 19 all the offline shopping stopped. So, the store wants to move to the cloud platforms and wants their own web application.

### **1.3 AIM**

To build a website that provides all the services to the users available online.

### **1.4 OBJECTIVES**

User -

- 1.As a user I should be able to login, Logout and Register into the application.
- 2.As a user I should be able to see the products in different categories.
- 3.As a user I should be able to sort the products.
- 4.As a user I should be able to add the products into the shopping cart.
- 5.As a user I should be able to increase or decrease the quantity added in the cart.
- 6.As a user I should be able to add “n” number of products in the cart.

7.As a user I should be able to get the Wishlist option where I can add those products which I want but don't want to order now.

8.As a user I should get different discount coupons.

Admin –

1.As an Admin I should be able to login, Logout and Register into the application.

2.As an Admin I should be able to perform CRUD on Users.

3.As an Admin I should be able to Perform CRUD on the products.

4.As an Admin I should be able to get bulk upload option to upload a csv for products details

5.As an Admin I should be able to get the stocks.

6.As an Admin I should be able to mail if any stock is less than 10.

7.As an Admin I should be able to get the sales report of a specific duration.

8.As an Admin I should be able to set the discount coupons for the specific set of users

## CHAPTER 2

### METHODOLOGY

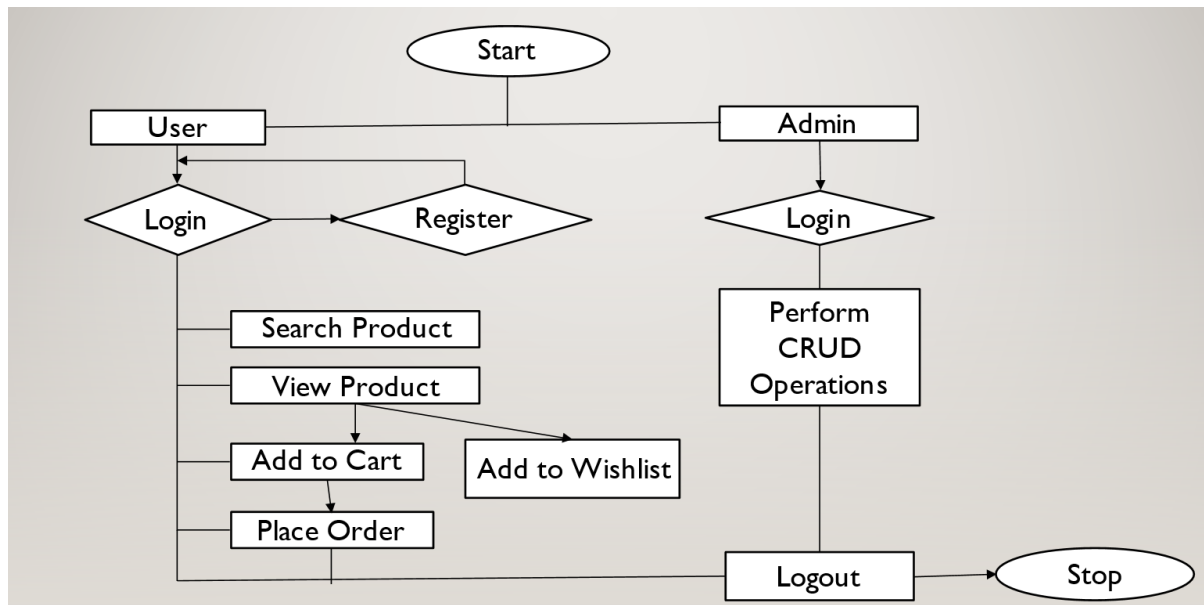


Figure: Flow Chart of Shop For Home Project

Figure shows the methodology of the project ,where there are two functionalities: Admin and User.

User Functionality is that once the user visits the site, if he is a new user ,he must sign up and then sign in with his credentials. After signing in, he will be able to search for products, view the products, add the product to wishlist, add the product to cart and buy the product.

Admin Functionality is that admin can sign in to the website and can manage all the sections like category, products, orders. Admin has the authority of that site.

## CHAPTER 3

### SYSTEM REQUIREMENTS

#### 3.1 SOFTWARE REQUIREMENTS

The functional requirements or the overall description documents include the product perspective and features, operating system and operating environment, graphics requirements, design constraints and user documentation. The appropriation of requirements and implementation constraints gives the general overview of the project in regards to what the areas of strength and deficit are and how to tackle them.

Technologies	Angular, Spring Boot, MySQL, AWS
Languages	Type Script, Java, SQL Queries
IDE	Eclipse , Vs code, MySQL
Operating System	Windows 7/8/10/11 , Linux distros, MacOS X or later.

#### 3.2 HARDWARE REQUIREMENTS:

Minimum hardware requirements are very dependent on the particular software being developed by a given Enthought Python/ VS Code user. Applications that need to store large arrays/objects in memory will require more RAM, whereas applications that need to perform numerous calculations or tasks more quickly will require a faster processor.

Processor	Intel or AMD dual core x86 processor.
Ram	4 GB or above.
Hard disk	500 MB of free disk space or more.

## CHAPTER 4

### IMPLEMENTATION

We implemented a simple e-commerce application. We'll develop an API using Spring Boot and a client application that will consume the API using Angular.

#### 4.1 TECHNOLOGY USED

In below I would like to explain which technologies are used in this project. It's helpful for understand the project layouts & overview of documentation.

##### Back-end

1. Java
2. Spring Boot
3. Spring Security
4. JWT
5. Hibernate
6. MySQL
7. Maven

##### Front-end

1. Angular
2. Bootstrap

#### 4.2 IMPLEMENTATION STEPS

First you need to start back-end server, after that execute client side.

Follow below steps to run this application on your system.

1. First Install Java 11 jdk, Vs code, Spring Tool Suit, MySQL
2. From your local Frontend code path -> open Command prompt

Example: {local path}\shopforhome\frontend

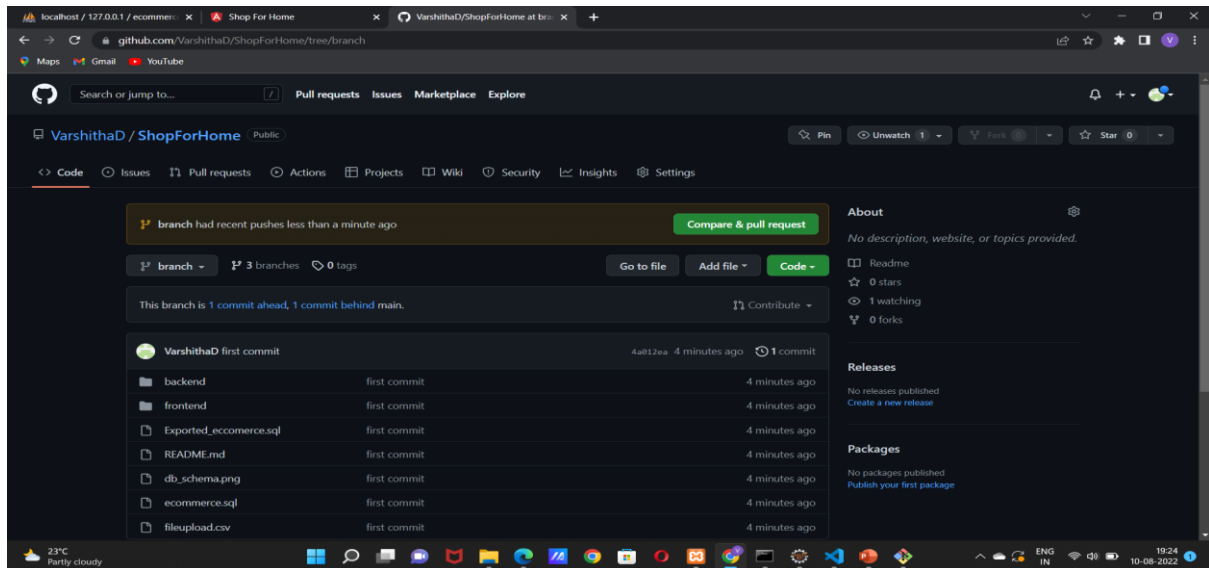
3. Run this command – code .

## CHAPTER 5

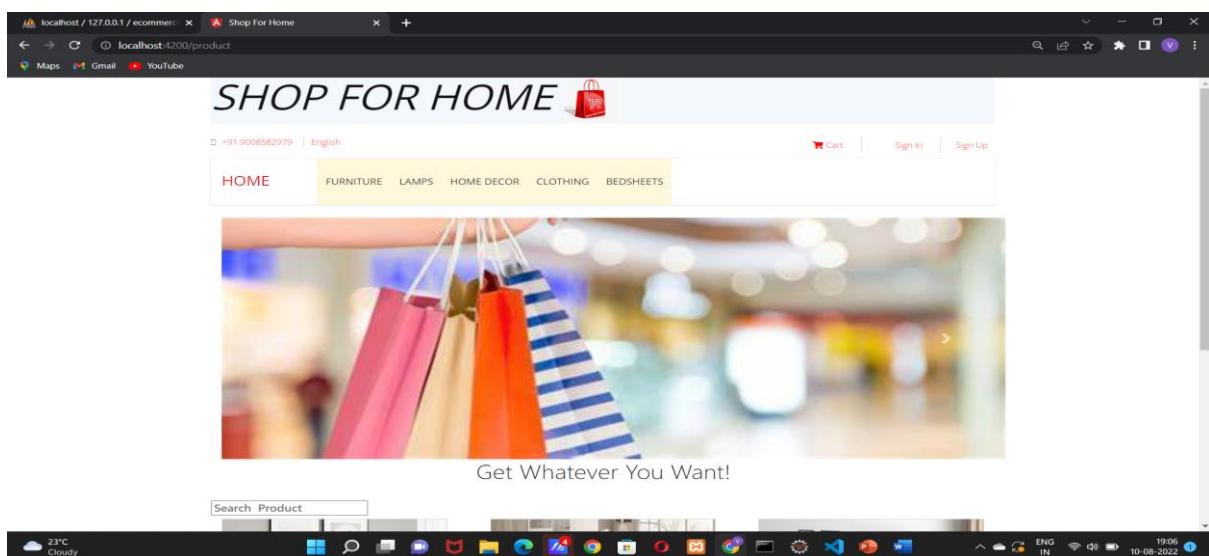
### RESULTS AND DISCUSSION

Added our project to GIT Repository:

Link of our Git Repository: <https://github.com/VarshithaD/CapstoneProject/tree/master>

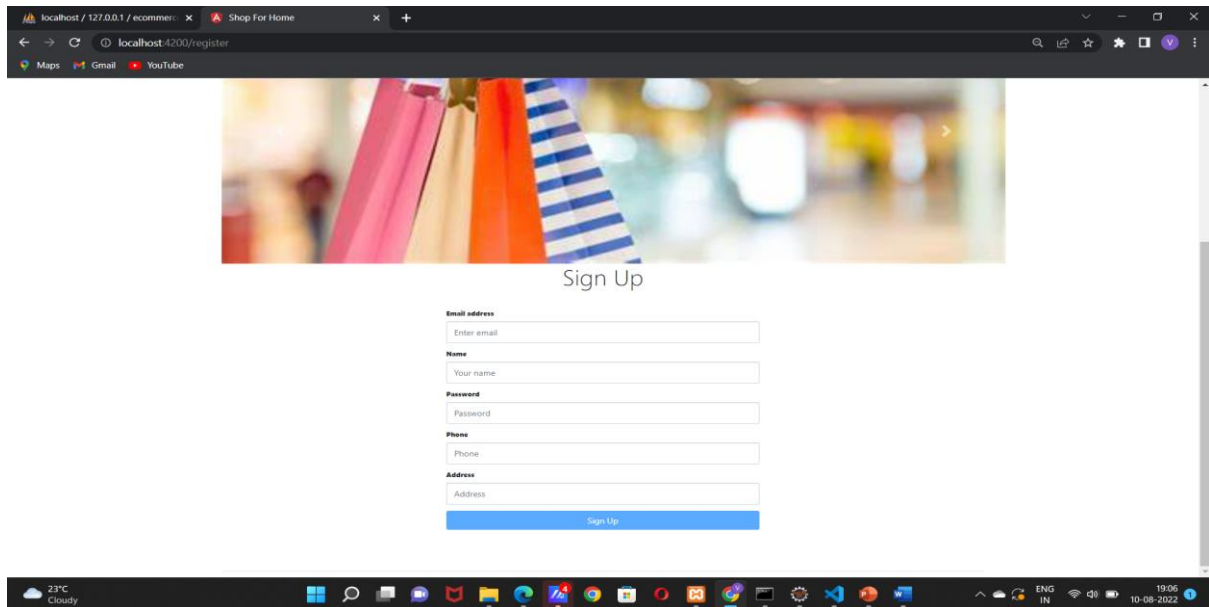


Home Page:





## Registration Page:



The screenshot shows a web browser window with the address bar displaying "localhost:4200/register". The page features a header image of shopping bags and a "Sign Up" title. Below the title is a registration form with the following fields: "Email address" (with a sub-label "Enter email"), "Name" (with a sub-label "Your name"), "Password", "Phone", and "Address". A blue "Sign Up" button is positioned at the bottom of the form. The browser's taskbar at the bottom shows the system clock as 19:06 on 10-08-2022.

localhost / 127.0.0.1 / ecommerce Shop For Home

localhost:4200/register

Sign Up

Email address  
Enter email

Name  
Your name

Password  
Password

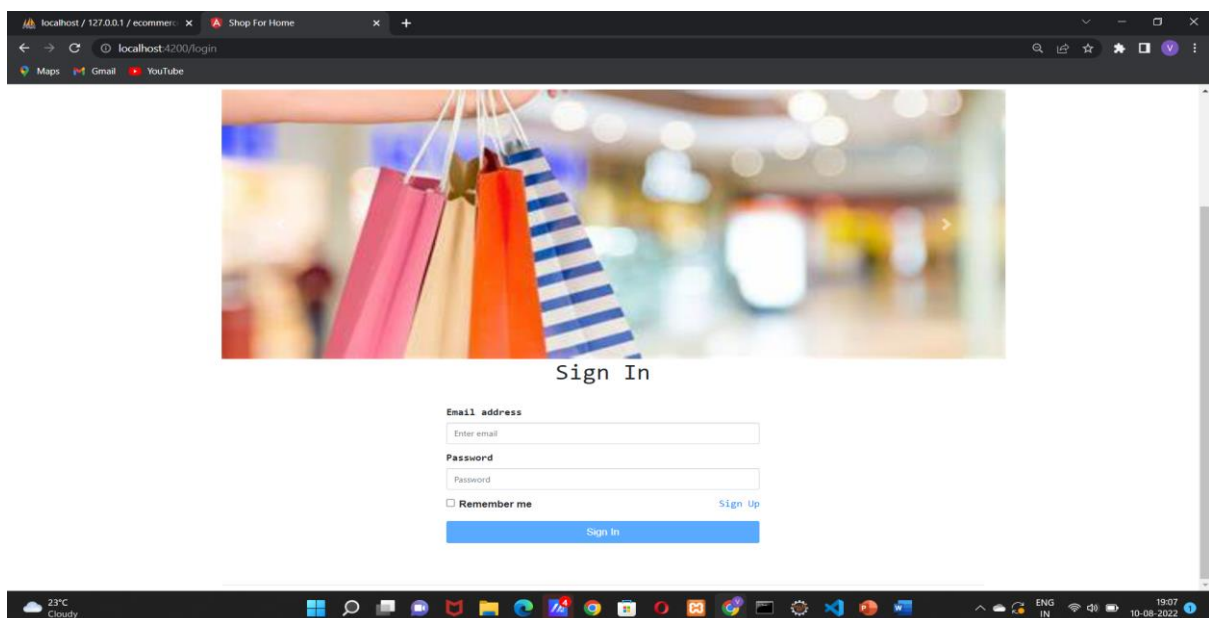
Phone  
Phone

Address  
Address

Sign Up

23°C Cloudy 19:06 10-08-2022

## User Login Page:



The screenshot shows a web browser window with the address bar displaying "localhost:4200/login". The page features a header image of shopping bags and a "Sign In" title. Below the title is a login form with the following fields: "Email address" (with a sub-label "Enter email") and "Password". There is a "Remember me" checkbox and a "Sign Up" link. A blue "Sign In" button is positioned at the bottom of the form. The browser's taskbar at the bottom shows the system clock as 19:07 on 10-08-2022.

localhost / 127.0.0.1 / ecommerce Shop For Home

localhost:4200/login

Sign In

Email address  
Enter email

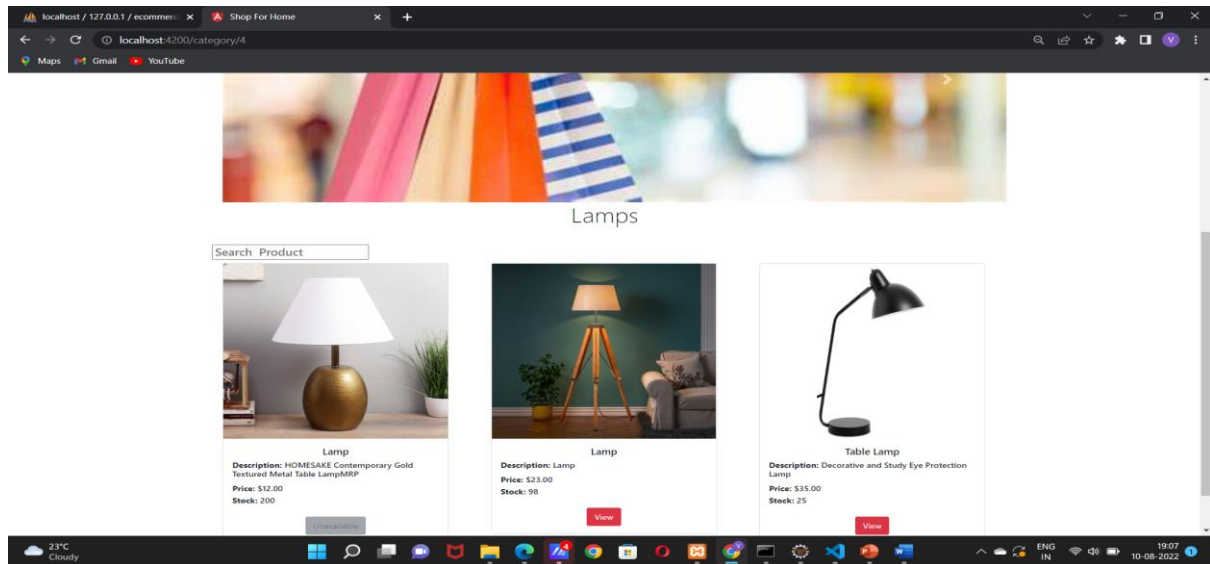
Password  
Password

☐ Remember me Sign Up

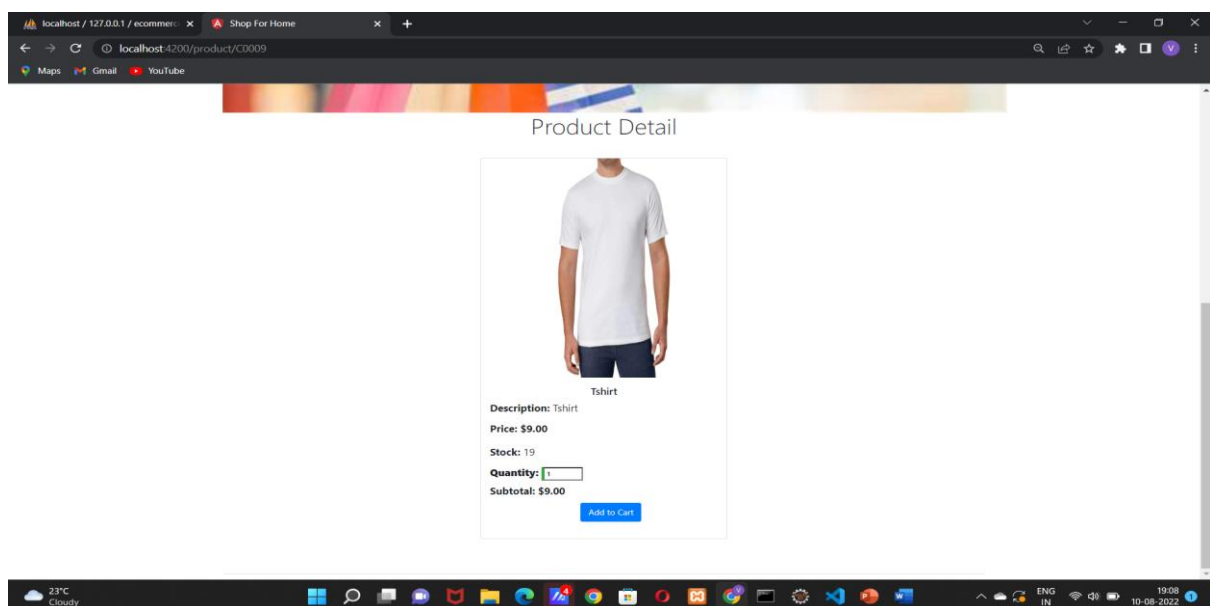
Sign In

23°C Cloudy 19:07 10-08-2022

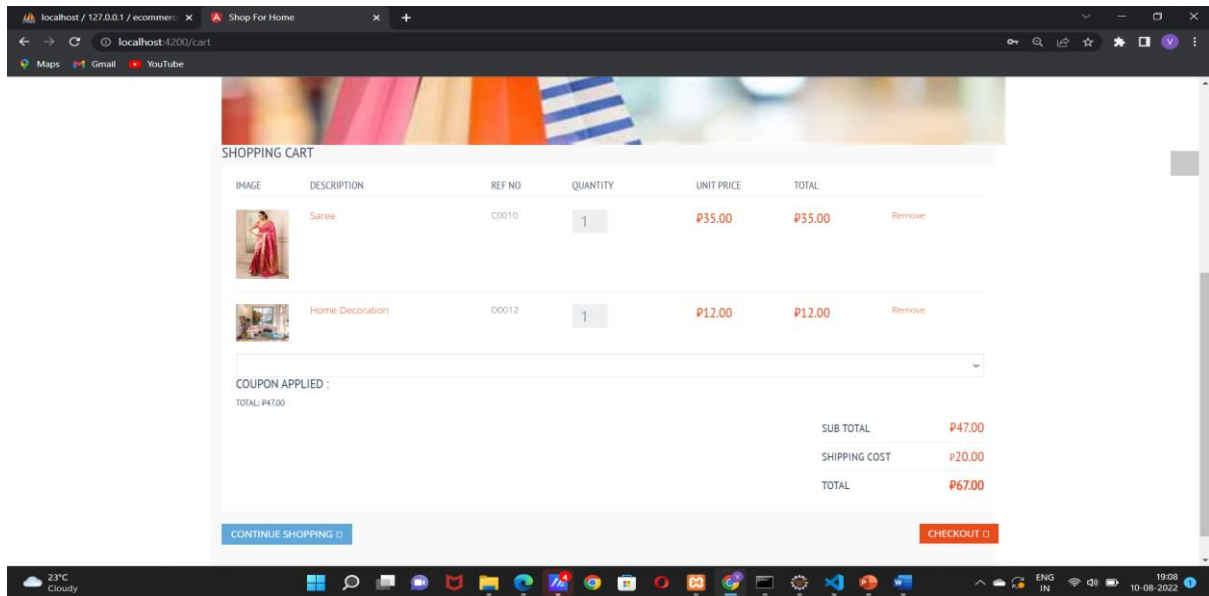
## Sorted Products By Categories:



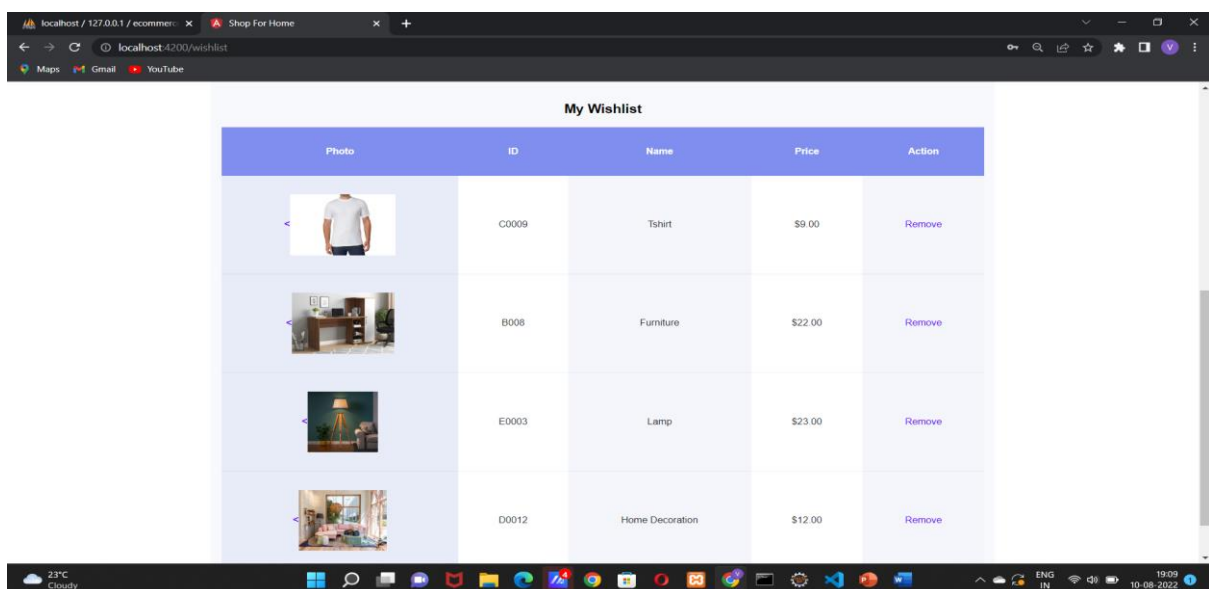
## Product Details:



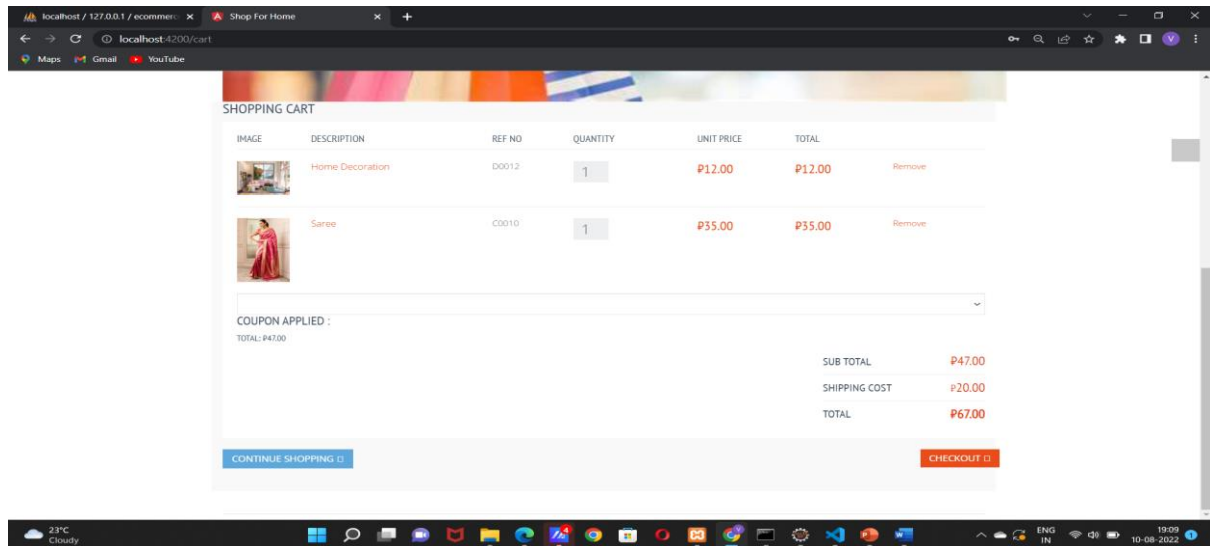
## Cart Option:



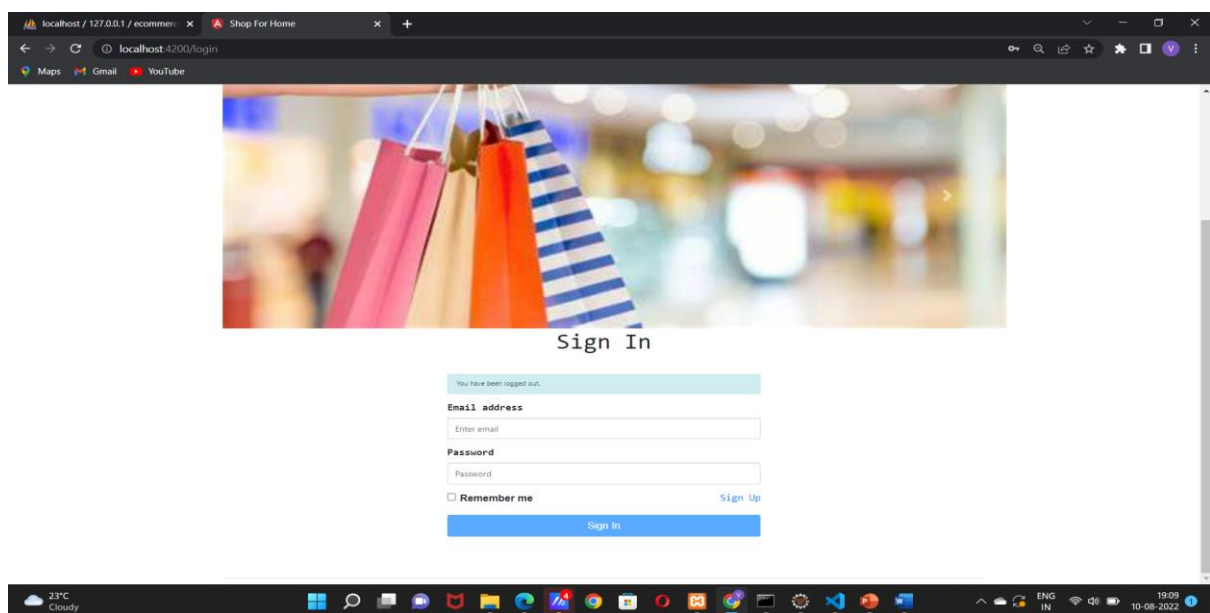
## Wishlist:



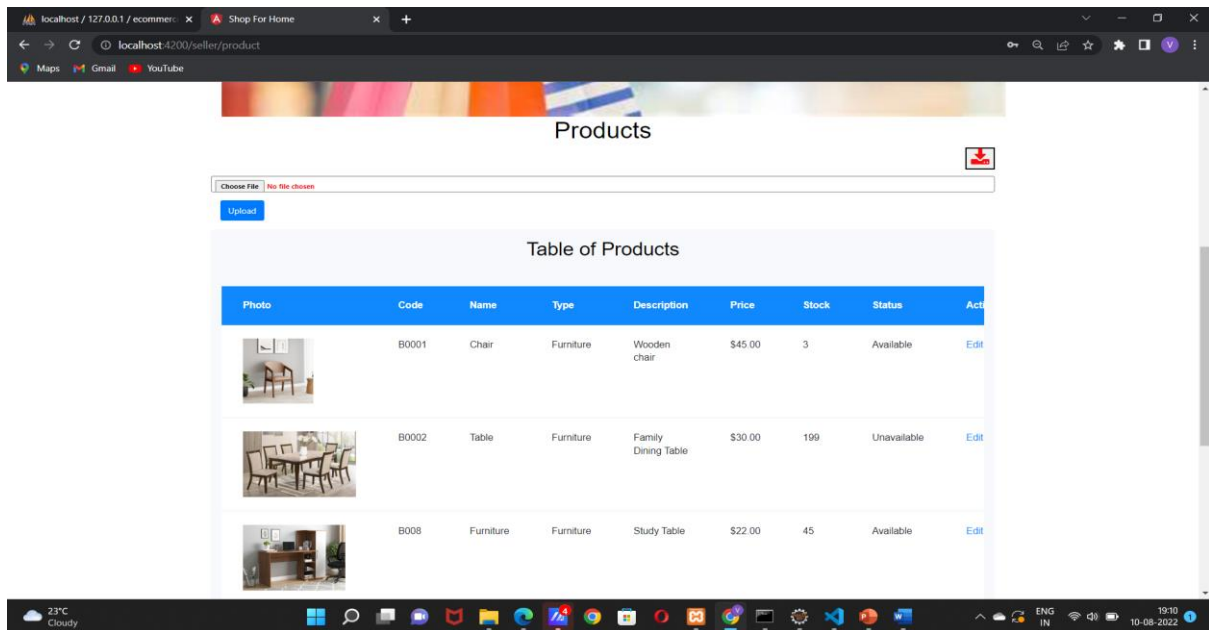
## Discount Coupon Option



## Admin Login Page:



## Product Details:






Products

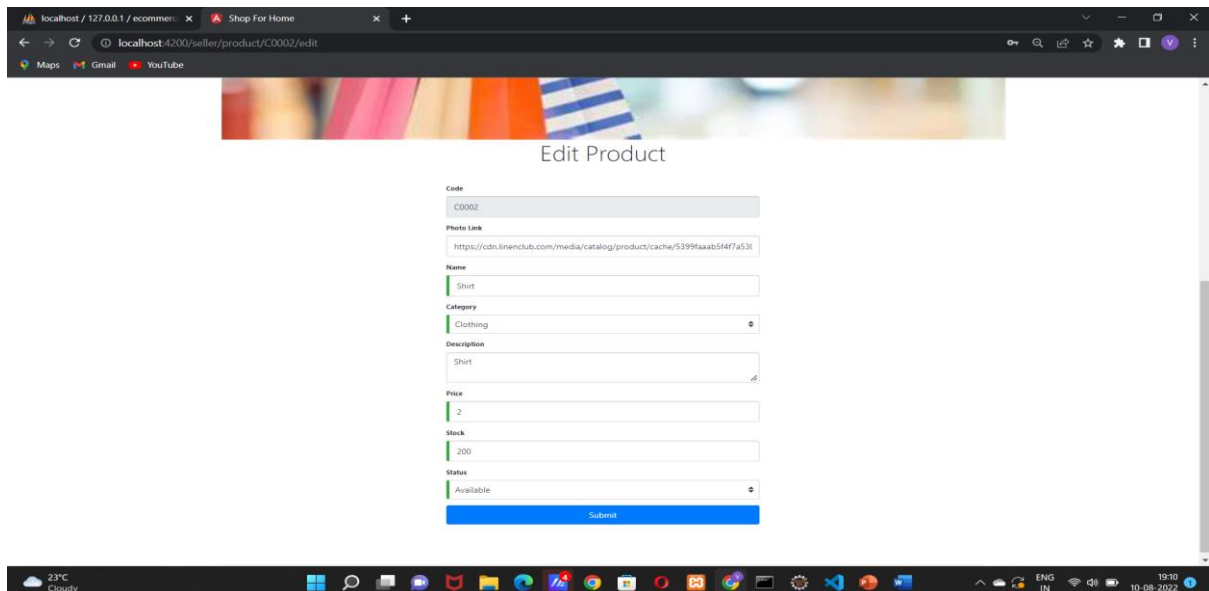
Choose File No file chosen

Upload

Table of Products

Photo	Code	Name	Type	Description	Price	Stock	Status	Action
	B0001	Chair	Furniture	Wooden chair	\$45.00	3	Available	<a href="#">Edit</a>
	B0002	Table	Furniture	Family Dining Table	\$30.00	199	Unavailable	<a href="#">Edit</a>
	B008	Furniture	Furniture	Study Table	\$22.00	45	Available	<a href="#">Edit</a>

## Edit Product Option:



Edit Product

Code: C0002

Photo Link: <https://cdn.linencub.com/media/catalog/product/cache/5399faab5647a53f>

Name:

Category:

Description:

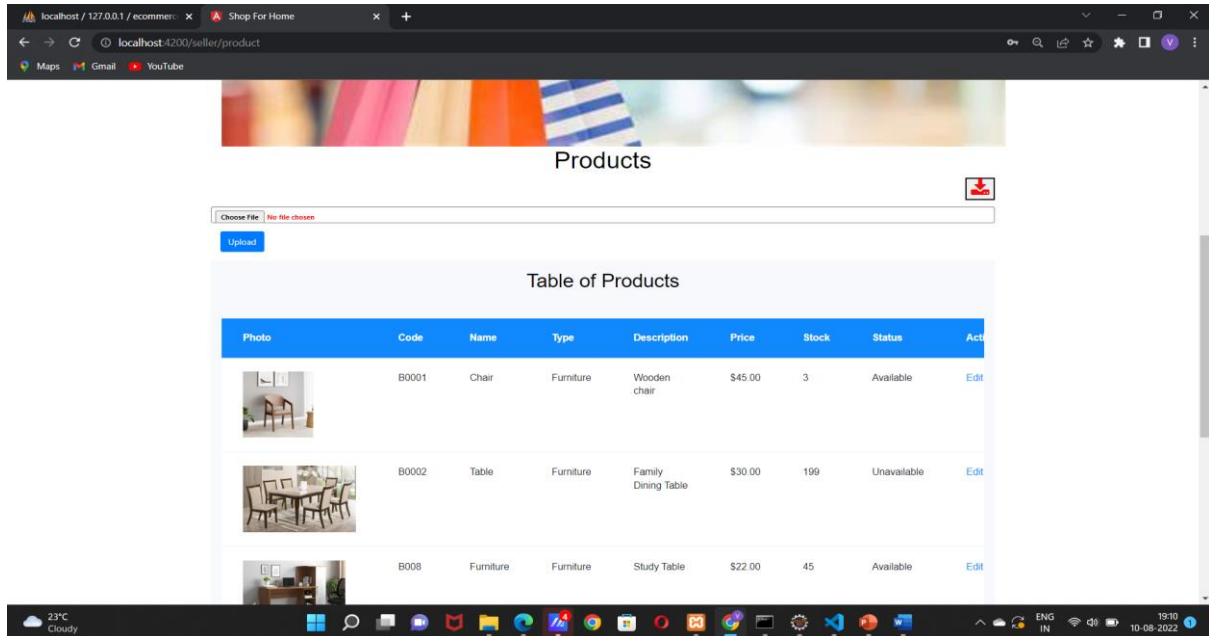
Price:

Stock:

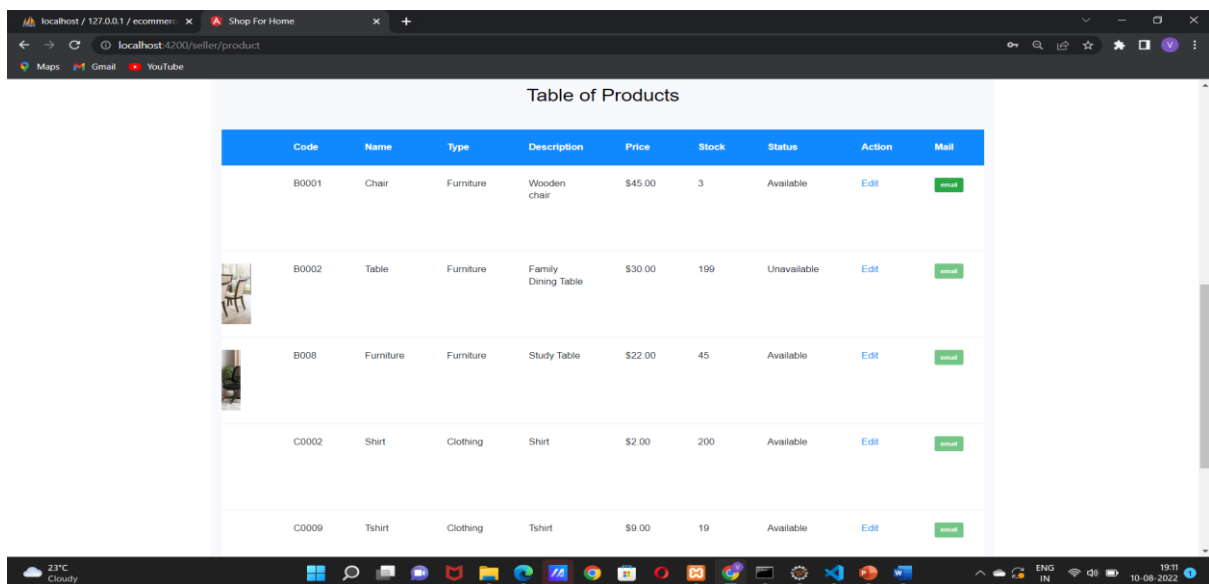
Status:

Submit

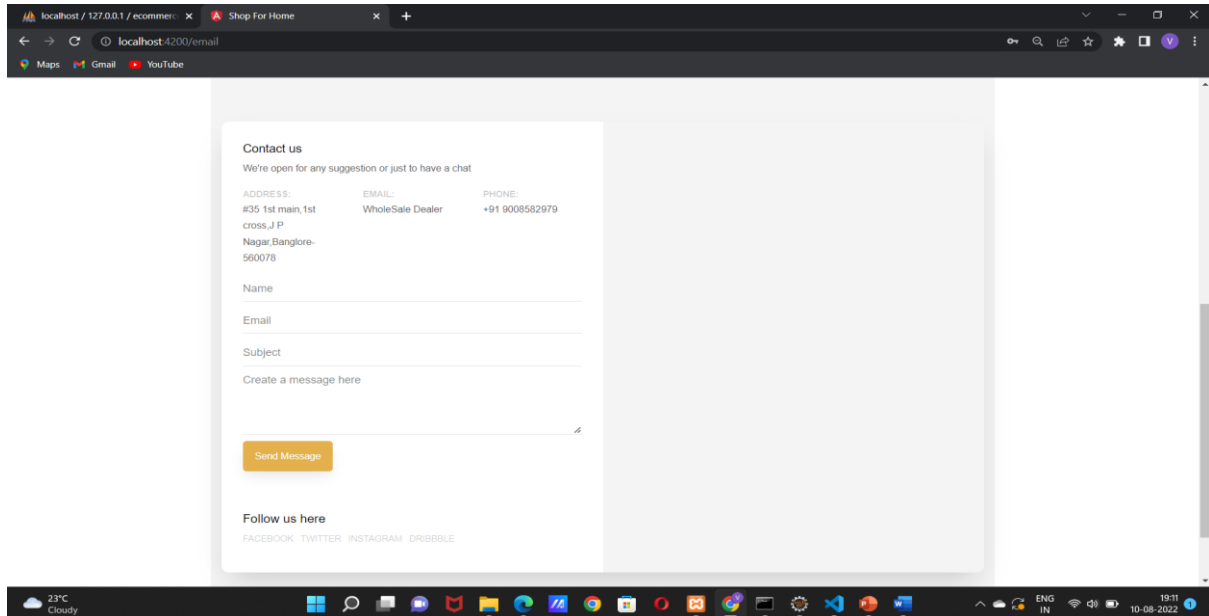
## Bulk Upload Option:



## Email Function:



## Email Template:



localhost / 127.0.0.1 / ecommerce Shop For Home

localhost:4200/email

Maps Gmail YouTube

**Contact us**  
We're open for any suggestion or just to have a chat

ADDRESS: #35 1st main, 1st cross, J P Nagar Bangalore- 560078

EMAIL: Wholesale Dealer

PHONE: +91 9008582979

Name

Email

Subject

Create a message here

Send Message

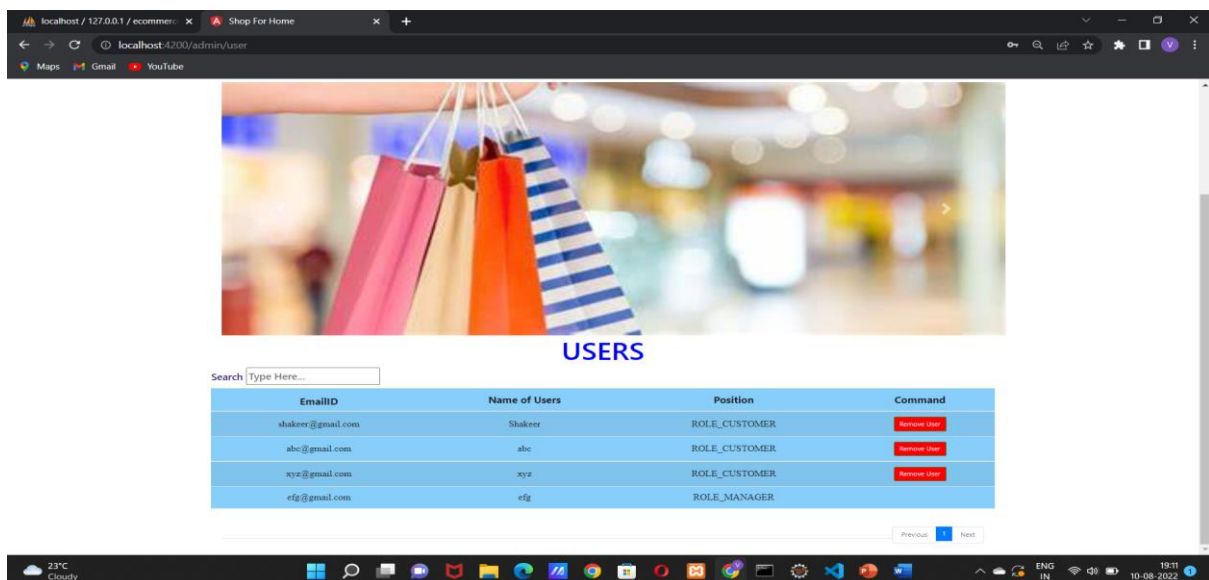
Follow us here

FACEBOOK TWITTER INSTAGRAM DRIBBBLE

23°C Cloudy

19:11 10-08-2022

## Admin can perform user functionalities:



localhost / 127.0.0.1 / ecommerce Shop For Home

localhost:4200/admin/user

Maps Gmail YouTube

USERS

Search Type Here...

EmailID	Name of Users	Position	Command
shakeer@gmail.com	Shakeer	ROLE_CUSTOMER	Remove User
abc@gmail.com	abc	ROLE_CUSTOMER	Remove User
xyz@gmail.com	xyz	ROLE_CUSTOMER	Remove User
efg@gmail.com	efg	ROLE_MANAGER	

Previous Next

23°C Cloudy

19:11 10-08-2022

## Customer Orders:

Order #	Customer Name	Customer Email	Customer phone	Shipping Address	Total	Order Date	Status	Action
59	xyz	xyz@gmail.com	8869532326	Banglore	\$119.00	Aug 9, 2022	New	Show Cancel Finish
57	abc	abc@gmail.com	4636353536	Mysore	\$9.00	Aug 9, 2022	New	Show Cancel Finish
62	xyz	xyz@gmail.com	8869532326	Banglore	\$46.00	Aug 9, 2022	Finished	Show

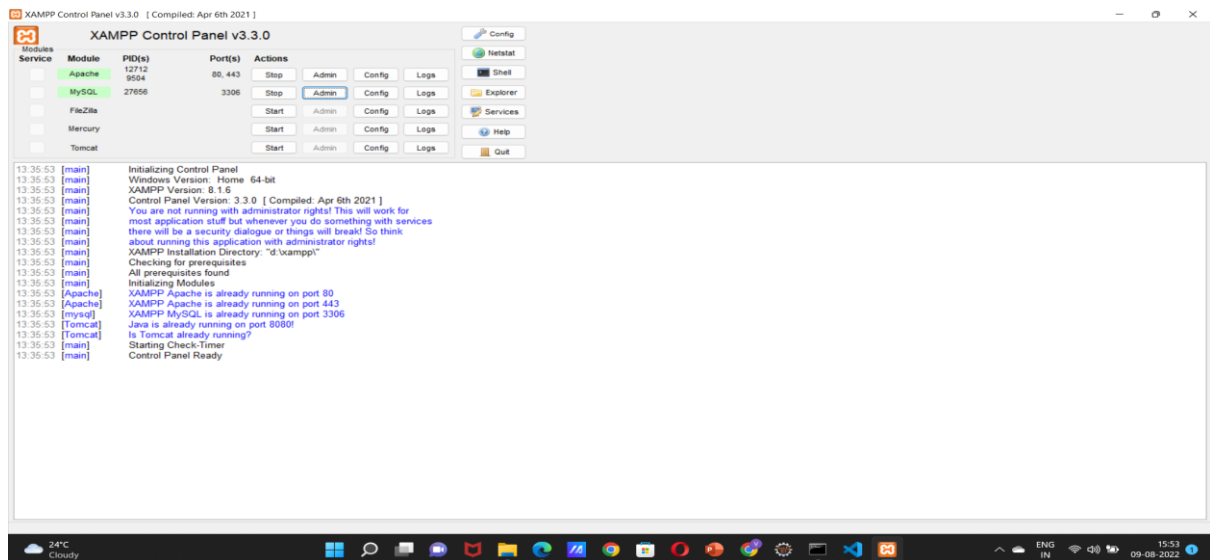
## Coupon Function:

Couponcode	Action
A5D95	Delete
1222	Delete
0000	Delete
12345	Delete
65456	Delete

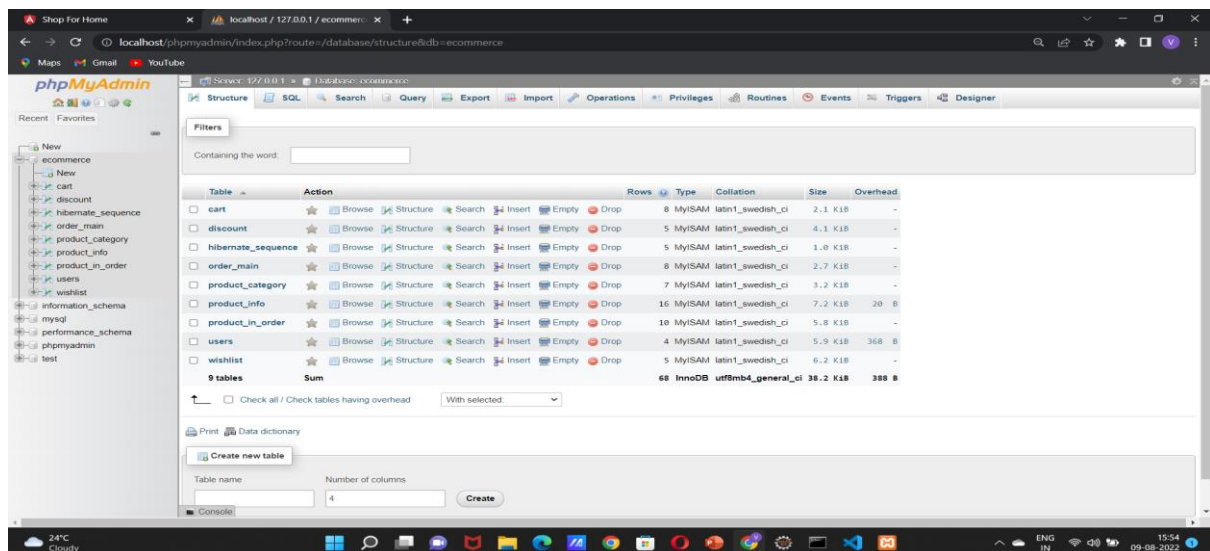


## DATABASE

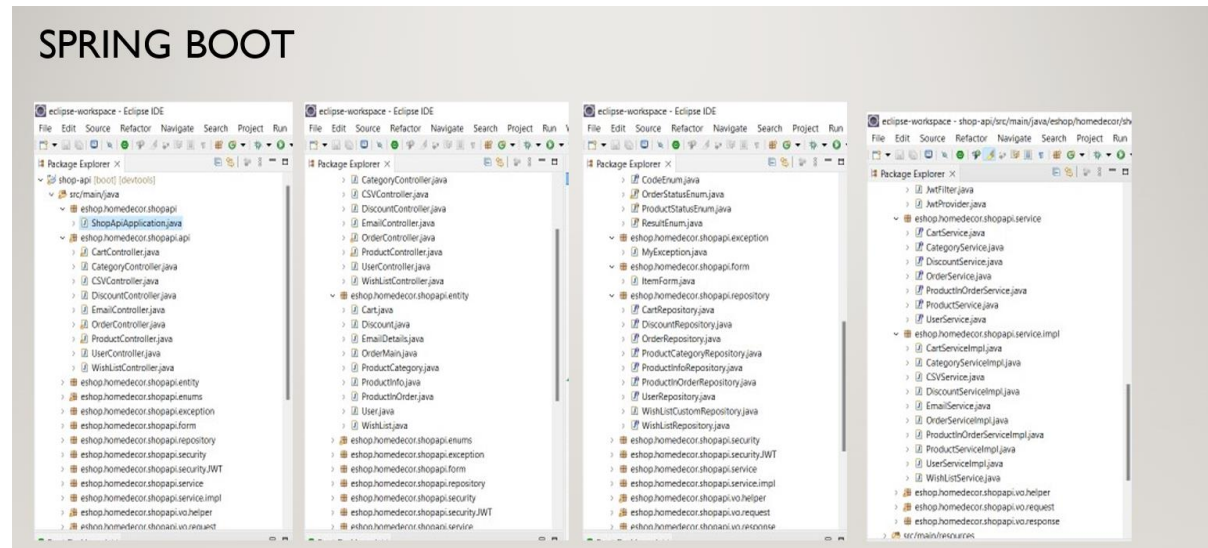
## XAMPP CONTROL PANEL



## MYSQL

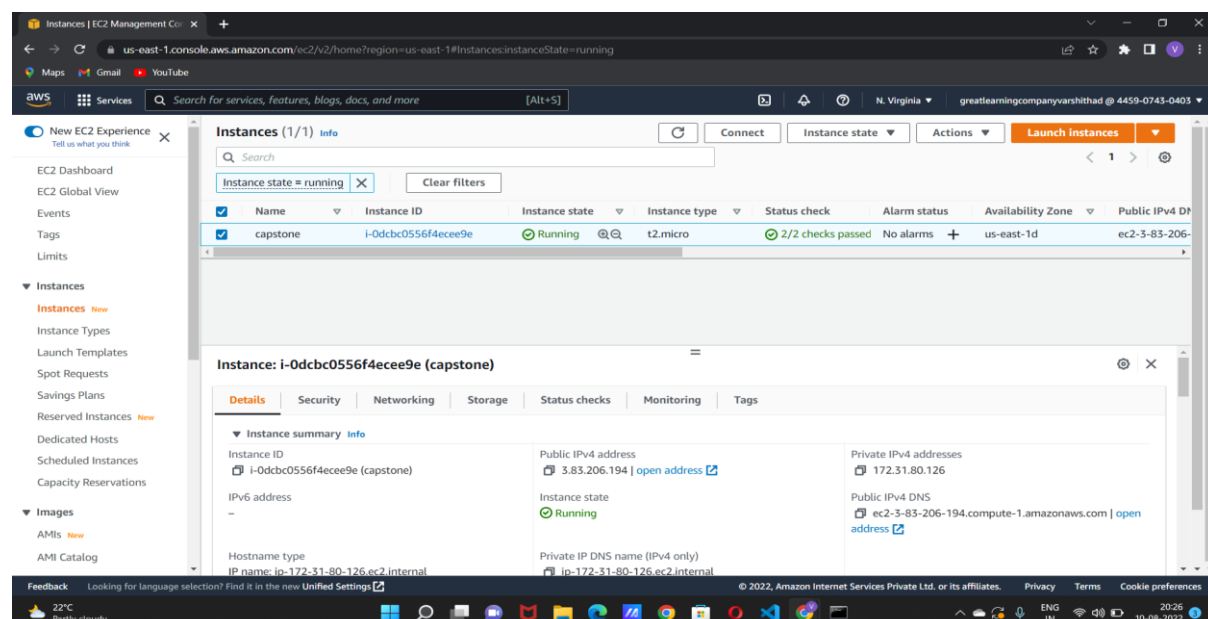


## SPRING BOOT ENTITIES



## CLOUD DEPLOYMENT

### Creation of EC2 Instance:




### Running the EC2 Instances on Command Prompt:

```

C:\root@ip-172-31-80-126:var/www/html
C:\Microsoft Windows [Version 10.0.22000.795]
(c) Microsoft Corporation. All rights reserved.

C:\Users\WARSHITHA D>cd downloads

C:\Users\WARSHITHA D>Downloads>ssh -i "capstoneKey.pem" ec2-user@ec2-3-83-206-194.compute-1.amazonaws.com
The authenticity of host 'ec2-3-83-206-194.compute-1.amazonaws.com (3.83.206.194)' can't be established.
ECDSA key fingerprint is SHA256:WgMtKwukwvdtHhnp10159etjXzu1BacwXk100zQ.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-3-83-206-194.compute-1.amazonaws.com,3.83.206.194' (ECDSA) to the list of known hosts.

 Amazon Linux 2 AMI

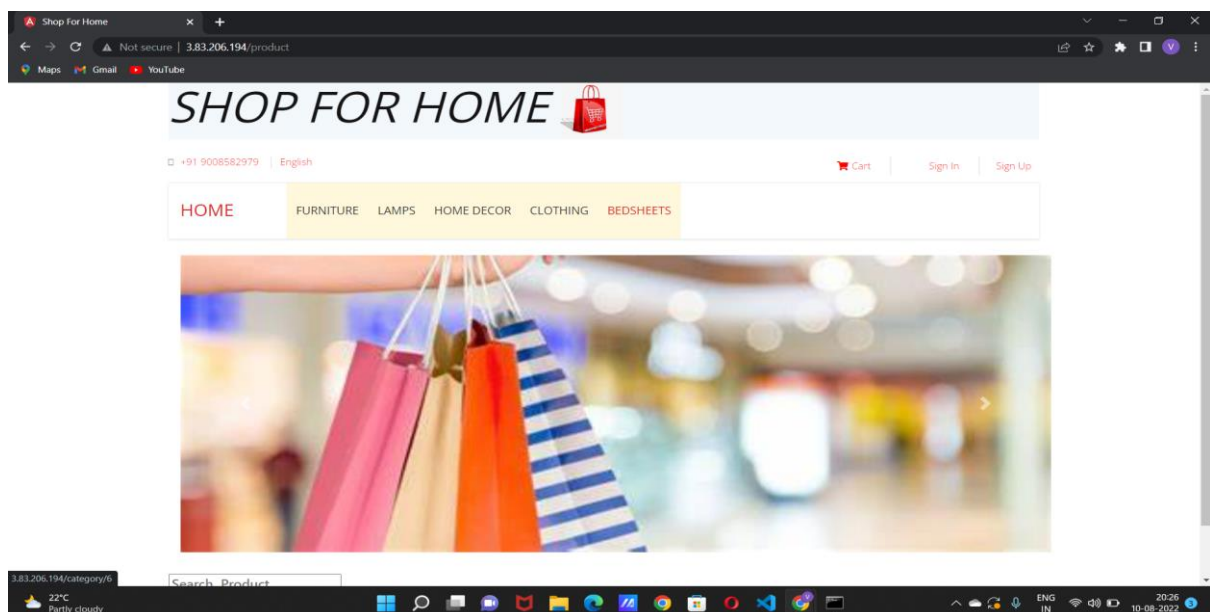
https://aws.amazon.com/amazon-linux-2/
2 package(s) needed for security, out of 10 available
Run "sudo yum update" to apply all updates.
[root@ip-172-31-80-126 ~]# sudo su
[root@ip-172-31-80-126 ec2-user]# yum
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
You need to give some command
Usage: yum [options] COMMAND

List of Commands:

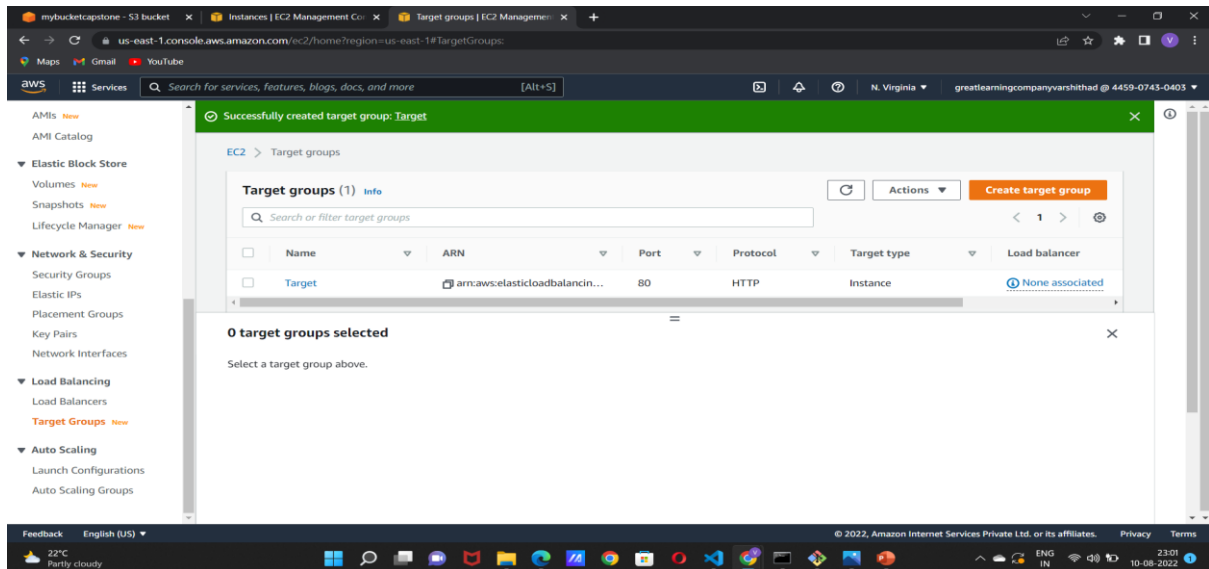
check               Check for problems in the rpmdb
check-update        Check for available package updates
clean               Remove cached data
depList             List a package's dependencies
distribution-synchro Synchronize installed packages to the latest available versions
downgrade           downgrade a package
erase               Remove a package or packages from your system
fs                  Acts on the filesystem data of the host, mainly for removing docs/languages for minimal hosts.
fssnapshots         Creates filesystem snapshots, or lists/deletes current snapshots.
groups              Display, or use, the groups information
help               Display a helpful usage message
history             Display, or use, the transaction history
info               Display details about a package or group of packages
install             Install a package or packages on your system
langavailable       Check available languages
langinfo            List languages information
langinstall         Install appropriate language packs for a language
langlist            List installed languages
langremove          Remove installed language packs for a language
list               List a package or groups of packages
load-transaction    Load a saved transaction from filename
makecache           Generate the metadata cache
provides            Find what package provides the given value

```

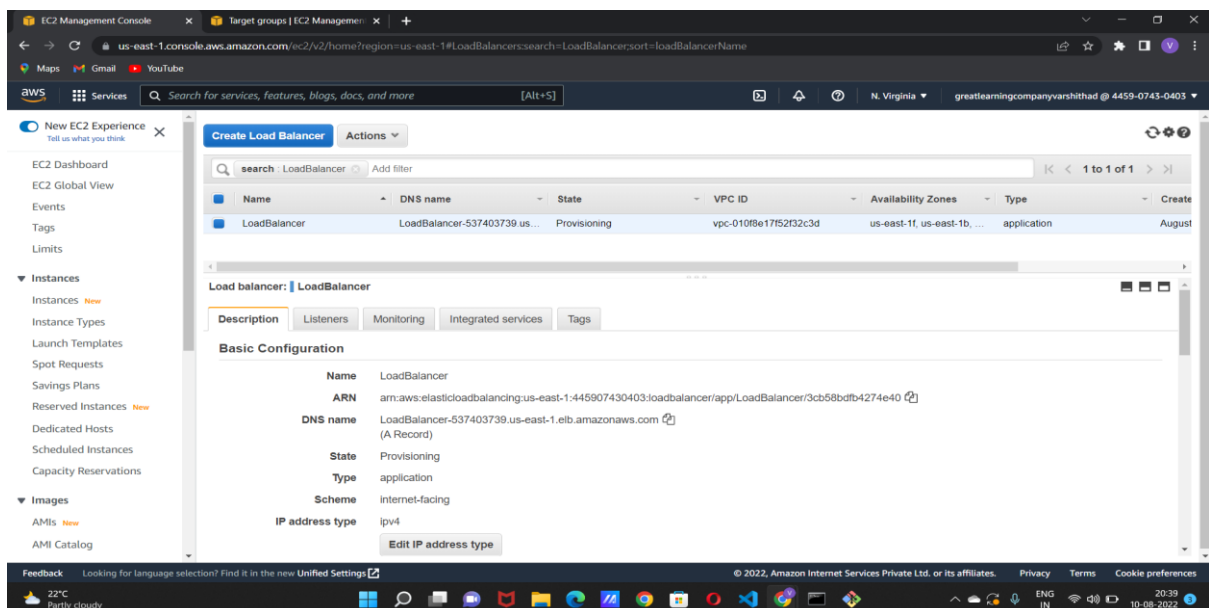
## FRONTEND SERVER TEMPLATE:



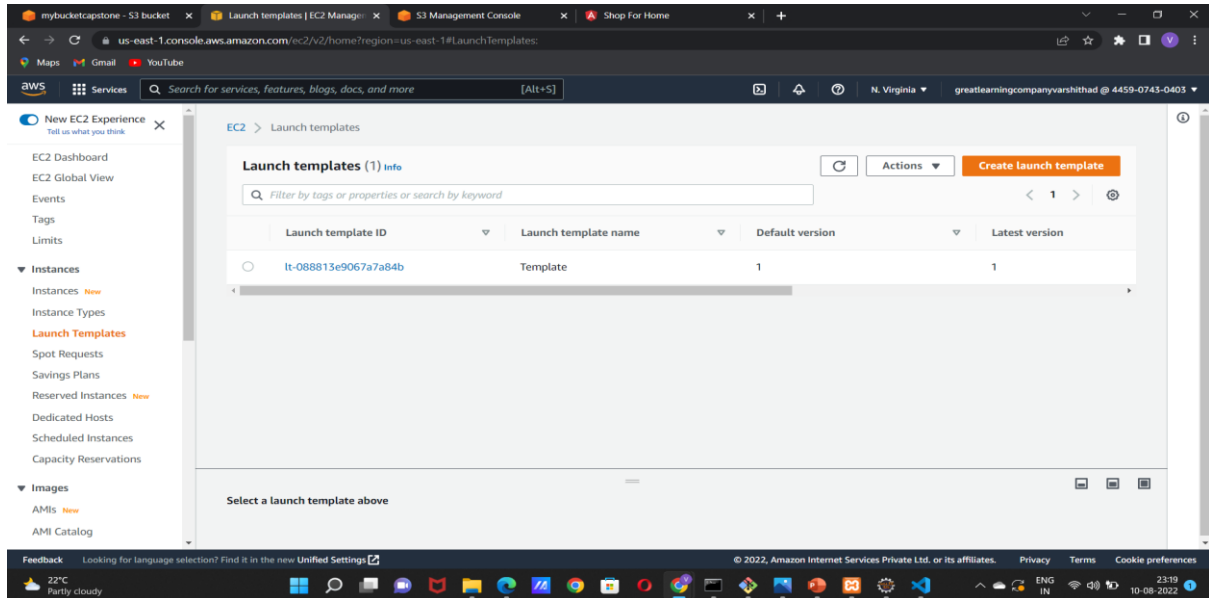
## Target Group:



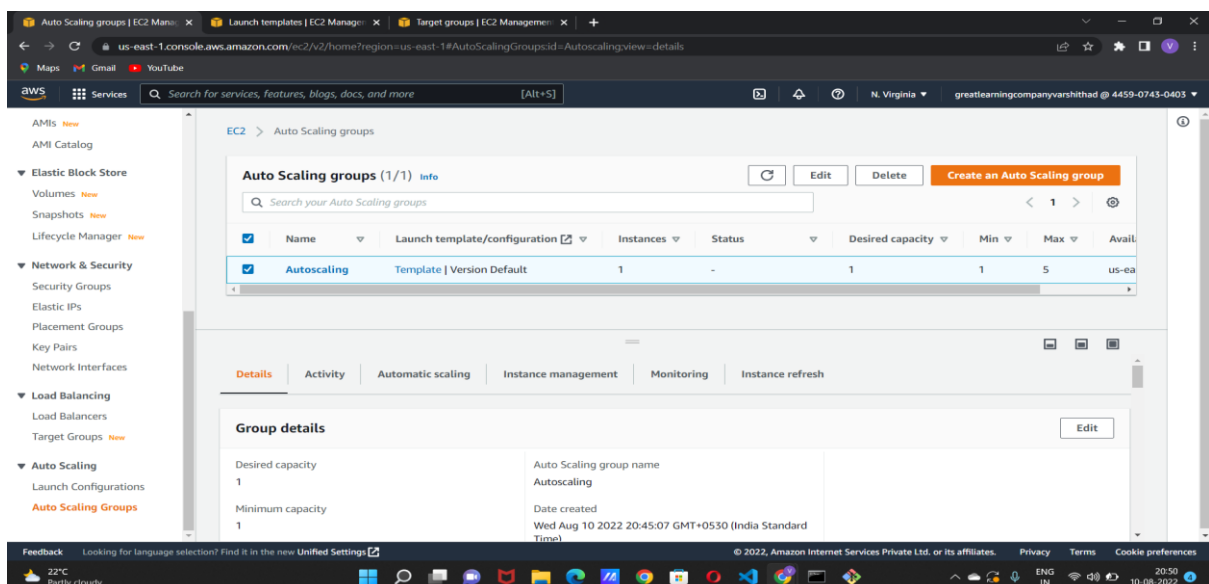
## Creation of Load Balancer:



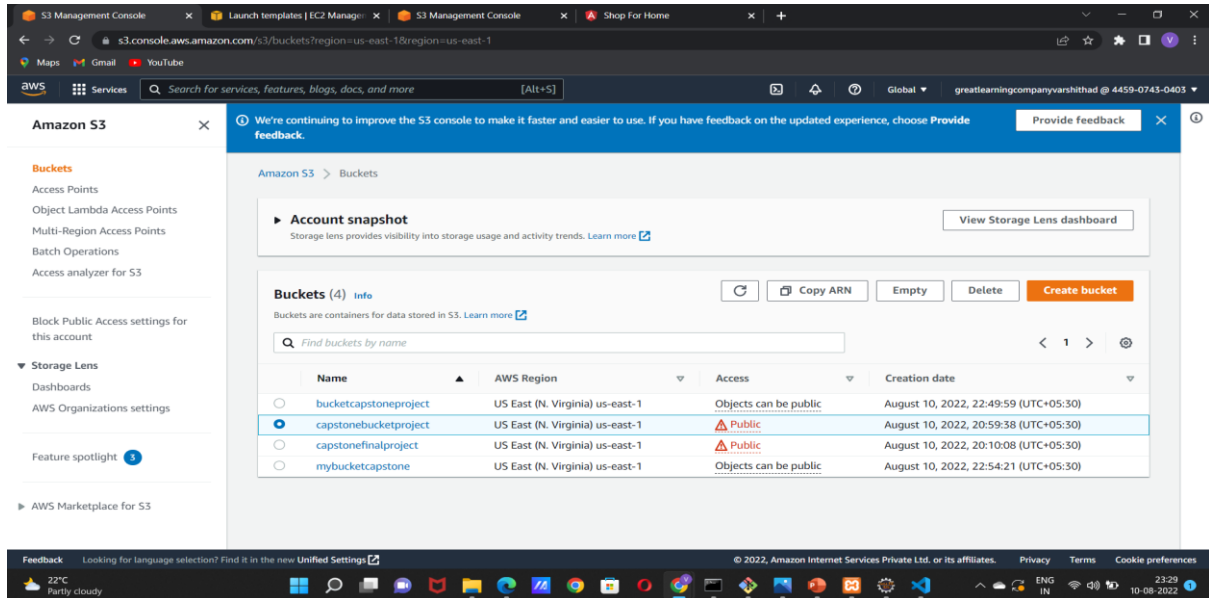
## Launch Template:



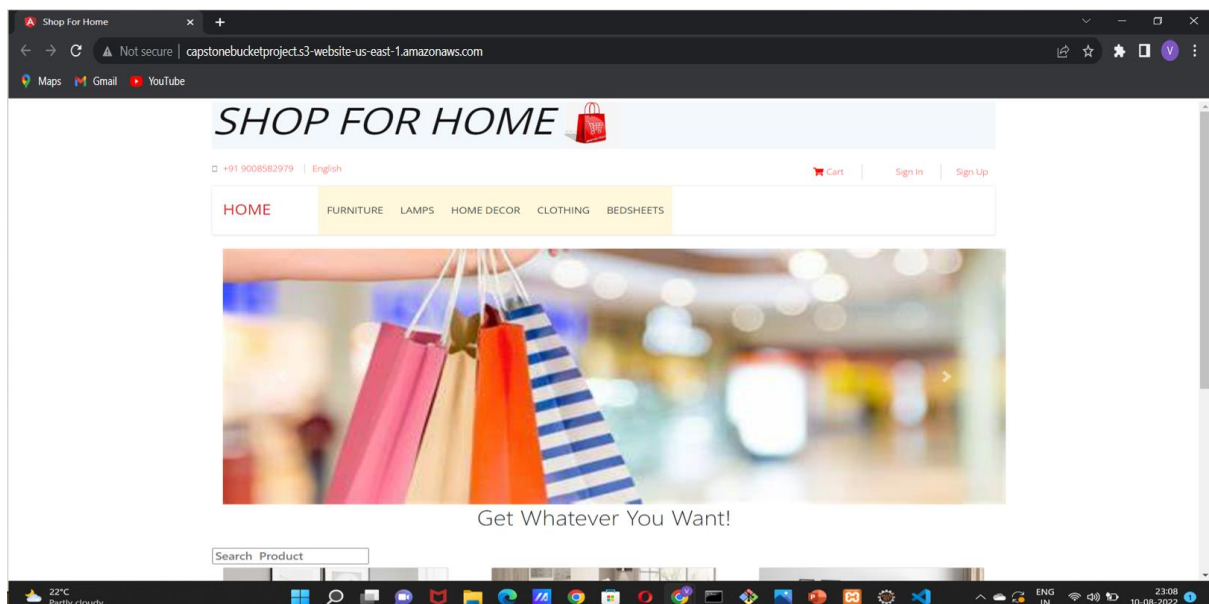
## Creation of Auto Scaling Groups:



Creation of S3 bucket:



OUTPUT AFTER DEPLOYMENT:



## **CHAPTER 6**

### **CONCLUSION AND FUTURE SCOPE**

E-Commerce has undeniably become an important part of our society. The successful companies of the future will be those that take E-Commerce seriously, dedicating sufficient resources to its development. E-Commerce is not an IT issue but a whole business undertaking. Companies that use it as a reason for completely re-designing their business processes are likely to reap the greatest benefits. Moreover, E-Commerce is a helpful technology that gives the consumer access to business and companies all over the world.

The e-commerce industry saw major traction in 2020. Technology innovation, easy scalability, increased internet penetration and changed user habits due to COVID-19 let the industry improve experiences and compete against brick-and-mortar shops. Engaging customers directly is top priority for brands, and in this era of widespread awareness and cutthroat competition, the only way to survive is to stay ahead of the curve, identify lagging areas and capture evolving trends at the onset.