

# SHOP FOR HOME

Capstone Project



# **Under the Guidance of**

Mr. Neeraj Kumar Kheria  
(Mentor)



# **Group Members:**

Atyam Bindu Sri  
Chetan Borate  
Saurav Rajput  
B. Navya Sri  
Valmeekam Navya  
Shaikh Razia Sultana

# Problem Statement

- Shop For Home is a popular Store in the market for shopping the home decor stuff.
- Due to Covid19 all the offline shopping stopped.
- So, the store wants to move to the online platforms and wants their own web application.
- If you expect to grow your business this year ,you need to give customers an exceptional online shopping experience.



# **Solution**

- A website to connect shopkeepers online.
- A website that will allow you to buy from your favourite store near you online.
- A way of digitization for the sellers and customers.
- Just create an account and take your shop online.
- Wide range of variety for customer.
- No need to go to shop.



# Objectives and Purpose

- Our existing system SHOP FOR HOME's main objective is to allow people to buy physical goods, services, and digital products over the internet. Through our SHOP FOR HOME website, a business can process orders, manage shipping and logistics, and provide customer service.
- Coming back to track which they were kicked off by malls and big shops connected online.
- Promoting digitalization scheme and competing other shopkeepers.
- Providing services at doorstep.

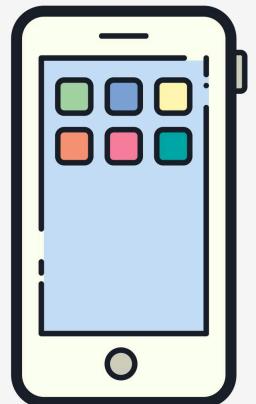


# Abstract

- E-Commerce is process of doing business through internet.
- A user can easily access all the facilities of the Internet to buy the products.
- Unlike traditional commerce that is carried out physically with effort of a person to go & get products, ecommerce has made it easier for human to reduce physical work and to save time.
- User can browse online shops, compare prices and order merchandise sitting at home on their PC.
- To achieve this we used Java Full Stack to develop an ecommerce like system SHOP FOR HOME.
- We used angular for developing the frontend part and java spring boot for backend and to store the data we used MySQL.



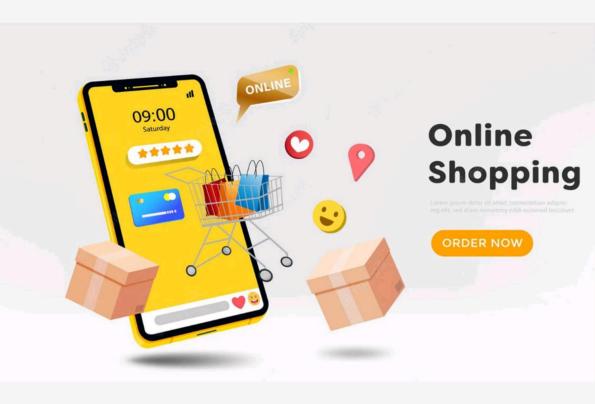
• **Shop For Home** is a popular store in the market for shopping the home decor stuff. Due to Covid 19 all the offline shopping stopped. So, the store wants to move to the online platforms and wants their own web application.



To do the above web applications there are two users:-

- 1. Admin**
- 2. User**

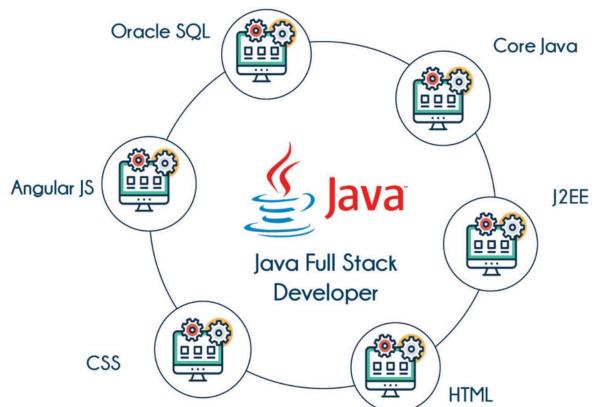


- 
- Our existing system **Shop for home**'s main objective is to allow people to buy and sell physical goods, services, and digital products over the internet. Through our SHOP FOR HOME website, a business can process orders, accept payments, manage shipping and logistics, and provide customer service.
  - The three main objectives are as follows :
  - Find the best solution for their needs
  - Make a purchase, and
  - Get information/answers to their questions

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- E-Commerce is process of doing business through computers.
  - A user can easily access all the facilities of the Internet to buy or sell the products.
  - Unlike traditional commerce that is carried out physically with effort of a person to go & get products, ecommerce has made it easier for human to reduce physical work and to save time.
  - User can browse online shops, compare prices and order merchandise sitting at home on their PC.
  - We used angular for developing the frontend part and java spring boot for backend and to store the data we used MYSQL.



- To achieve this we used Java Full Stack to develop an ecommerce like our existing system SHOP FOR HOME.
- We used angular for developing the frontend part and java spring boot for backend and to store the data we used MySQL.



## User Stories -

- As a user I should be able to login, Logout and Register into the application.
- As a user I should be able to see the products in different categories.
- As a user I should be able to sort the products.
- As a user I should be able to add the products into the shopping cart.
- As a user I should be able to increase or decrease the quantity added in the cart.
- As a user I should be able to add “n” number of products in the cart.
- As a user I should be able to get the Wish list option where I can add those products which I want but don’t want to order now.
- As a user I should get different discount coupons.



## **Admin Stories -**

- As an Admin I should be able to login, Logout and Register into the application.
- As an Admin I should be able to perform CRUD on Users.
- As an Admin I should be able to Perform CRUD on the products.
- As an Admin I should be able to get bulk upload option to upload a csv for products details
- As an Admin I should be able to get the stocks.
- As an Admin I should be able to mail if any stock is less than 10.
- As an Admin I should be able to get the sales report of a specific duration.
- As an Admin I should be able to set the discount coupons for the specific set of users



# SOFTWARE REQUIREMENTS

## Technologies:

- Angular
- Java Spring Boot
- AWS Cloud



## IDE:

- Eclipse
- Vs code

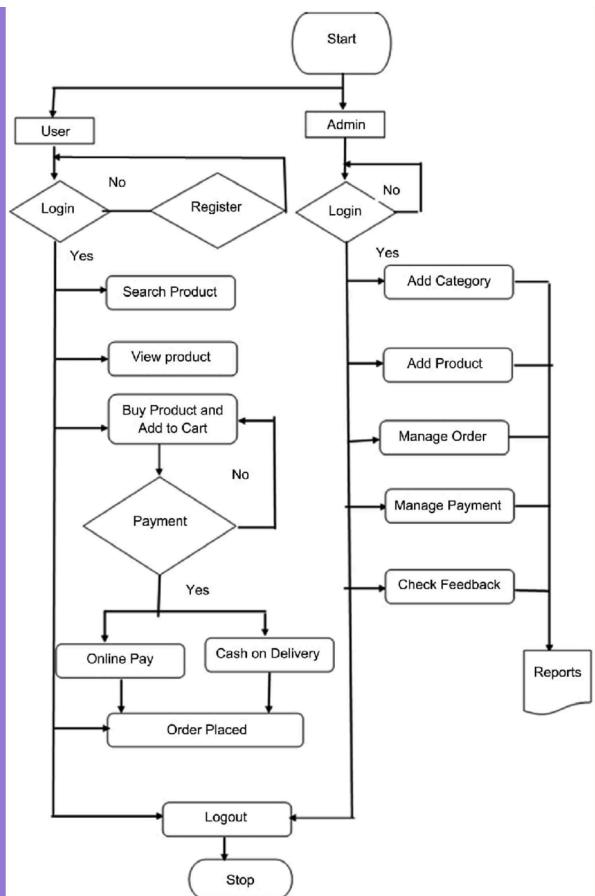


## Languages:

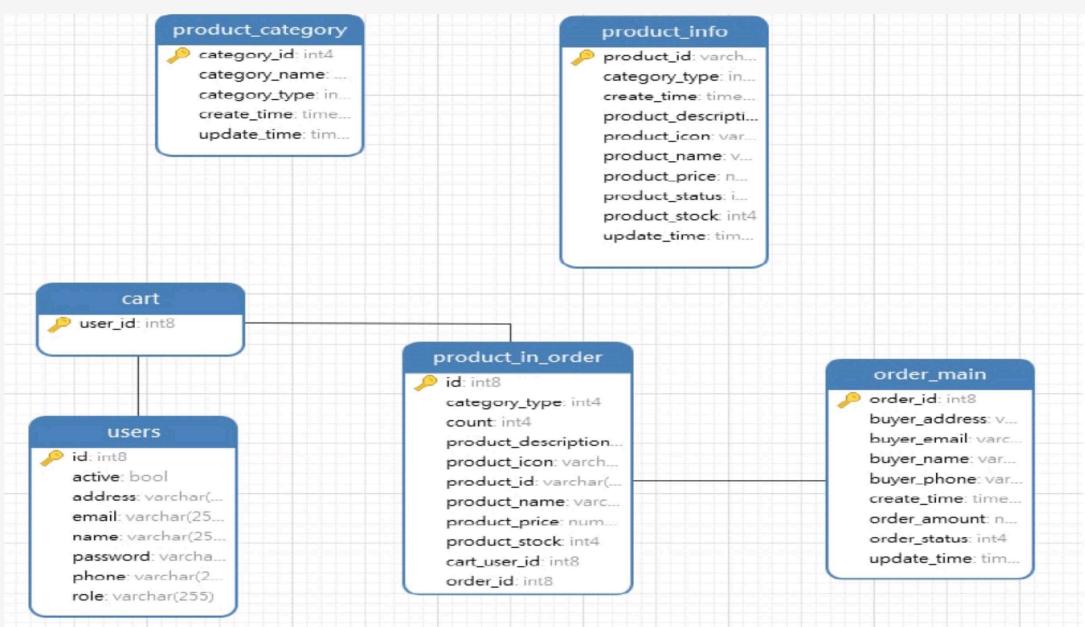
- Type Script
- Java
- SQL Queries



# Flow Chart



# DataBase Schema



# Microservice Architecture

- Microservices are a modern approach to software where by application code is delivered in small, manageable pieces, independent of others. Their small scale and relative isolation can lead to many additional benefits, such as easier maintenance, improved productivity, greater fault tolerance, better business alignment and more.
- Microservices Used –

Used Spring Cloud Netflix Eureka Server and Eureka Client4 Microservices-

1. Shop-for-home-server (server)
2. Shop-for-home (microservice-1)
3. Shop-for-home-discount-service (microservice-2)
4. Shop-for-home-report-service (microservice-3)

## What is AWS ?

- Amazon Web Services (AWS) is the world's most comprehensive and broadly adopted cloud platform, offering over 200 fully featured services from data centers globally.
- Millions of customers—including the fastest-growing startups, largest enterprises, and leading government agencies—are using AWS to lower costs, become more agile, and innovate faster.
- AWS is designed to allow application providers, ISVs, and vendors to quickly and securely host your applications.

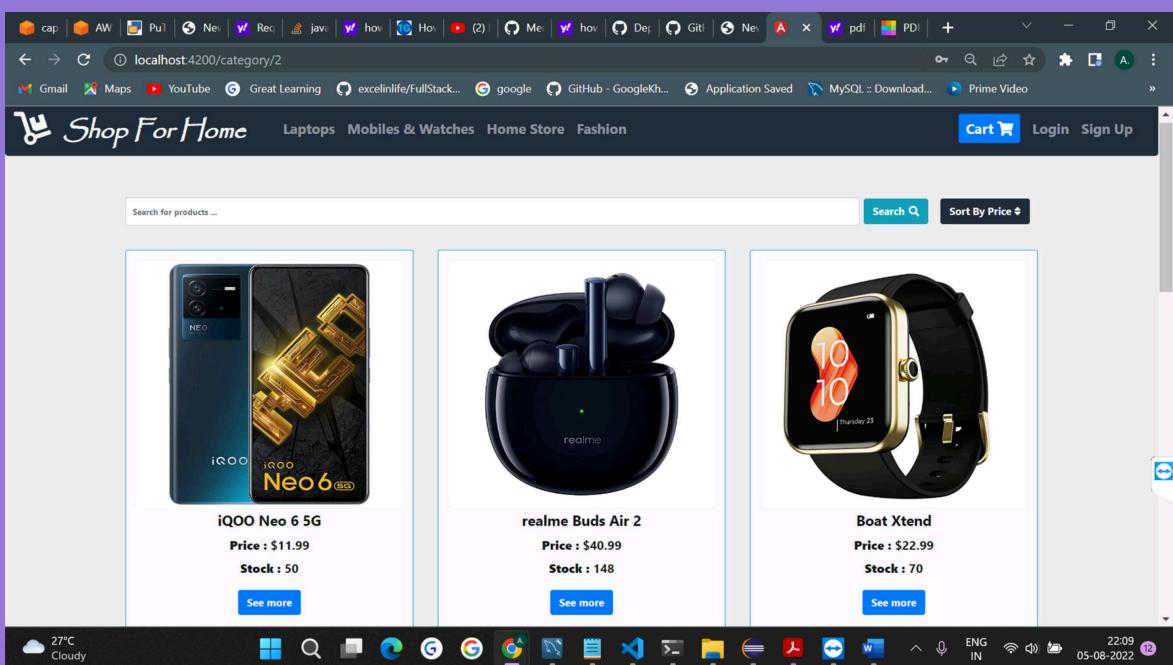


# EC2 Instances & S3 Buckets

The screenshot shows the AWS EC2 Management Console. The top navigation bar includes tabs for 'Instances', 'Snapshots', 'Volumes', 'Images', and 'Snapshots'. The main content area displays a table of instances. One instance, 'MySQL\_Instance' (ID: i-043b4b071e33dc245), is selected and shown in detail below. The instance is running on a t2.micro type. The details page shows the instance ID, name, instance type, and status check. It also provides network information, including a public IPv4 address (174.129.75.71) and a private IPv4 address (172.31.90.15). The status is 'Running'.

The screenshot shows the AWS S3 Bucket creation interface. The top navigation bar includes tabs for 'S3 buckets', 'Snapshots', 'Volumes', 'Images', and 'Snapshots'. The main content area is titled 'Create bucket'. It asks for a 'Bucket name' (capstone15s3) and 'AWS Region' (US East (N. Virginia) us-east-1). There is an optional 'Copy settings from existing bucket' section with a 'Choose bucket' button. The 'Object Ownership' section allows choosing between 'ACLs disabled (recommended)' and 'ACLs enabled'. The 'Feedback' section shows a weather icon for 30°C Cloudy. The bottom navigation bar includes links for 'Gmail', 'Maps', 'YouTube', 'Great Learning', 'excelinlife/FullStack...', 'GitHub', and 'GitHub - GoogleK...'. The status bar at the bottom shows the date as '© 2022, Amazon Internet Services Private Ltd. or its affiliates.' and the time as 'EN 11:45 AM'.

# Home Page of "Shop For Home"



# Admin Dashboard



Choose File: No file chosen

Upload Products Download Report

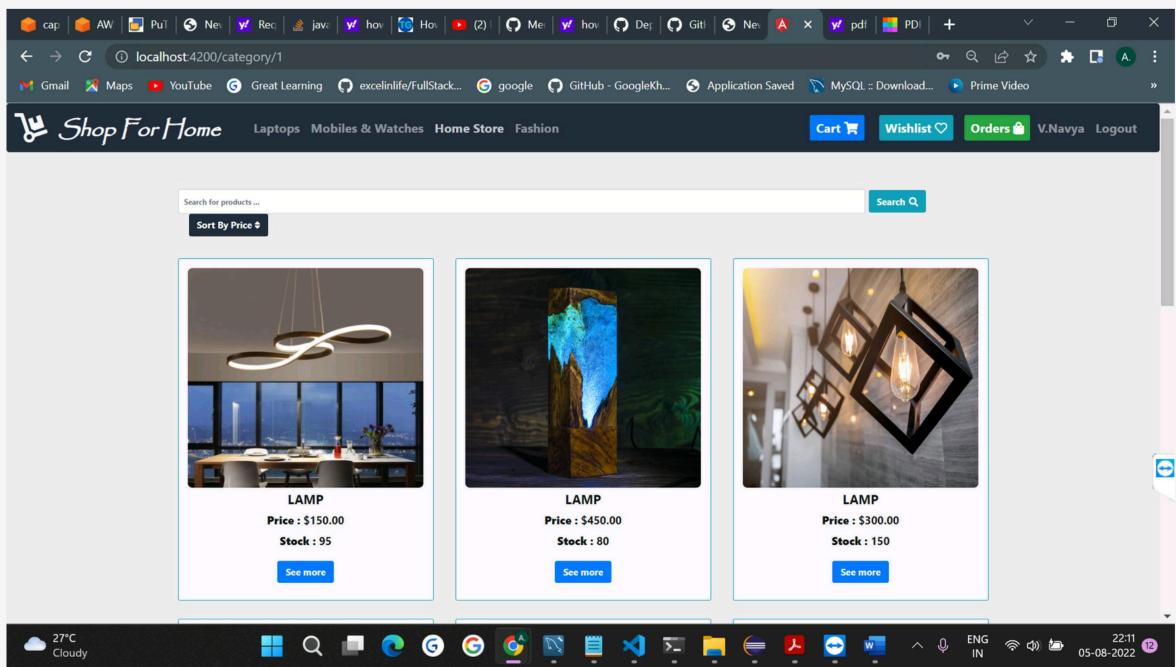
Sales Report

Search for products ...

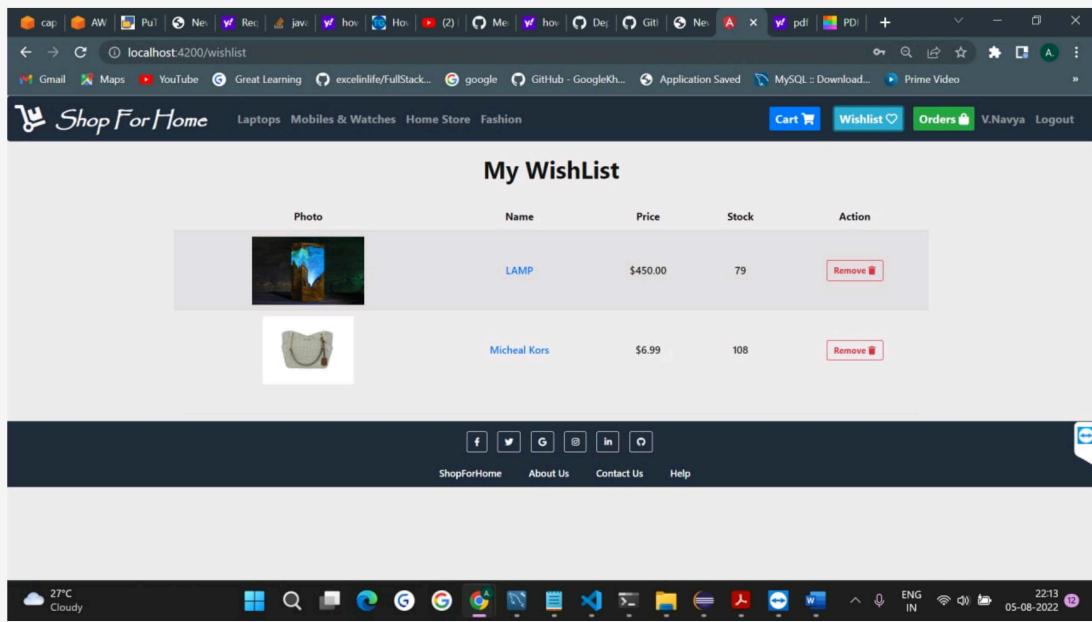
Photo	Code	Name	Description	Price	Stock	Status	Action	Mail
	A613	Boat Xtend	1.5 inch Curved Display Smart Watch	\$22.99	70	Available		
	A614	realme Buds Air 2	Best bluetooth earpods with ANC	\$40.99	148	Available		
	A617	Centriño	Men Formal Shoes	\$16.99	1	Available		

27°C Cloudy 22:16 05-08-2022 ENG IN

# User page



# Wish List



The screenshot shows a web browser window with the following details:

- Address Bar:** localhost:4200/wishlist
- Tab Bar:** Gmail, Maps, YouTube, Great Learning, excelinlife/FullStack..., google, GitHub - GoogleKh..., Application Saved, MySQL :: Download..., Prime Video
- Header:** Shop For Home, Laptops, Mobiles & Watches, Home Store, Fashion, Cart, Wishlist, Orders, V.Navya, Logout
- Section Title:** My WishList
- Table:** A table listing items in the wishlist.
- Footer:** ShopForHome, About Us, Contact Us, Help, social media icons (Facebook, Twitter, Google+, LinkedIn, YouTube), and a weather widget.
- System Tray:** Shows the date (05-08-2022), time (22:13), battery level, and other system status indicators.

Photo	Name	Price	Stock	Action
	LAMP	\$450.00	79	<a href="#">Remove</a>
	Micheal Kors	\$6.99	108	<a href="#">Remove</a>

# Cart

localhost:4200/cart

Gmail Maps YouTube Great Learning excelinlife/FullStack... google GitHub - GoogleKh... Application Saved MySQL - Download... Prime Video

ShopForHome Laptops Mobiles & Watches Home Store Fashion Cart Wishlist Orders V.Navya Logout

### My Cart

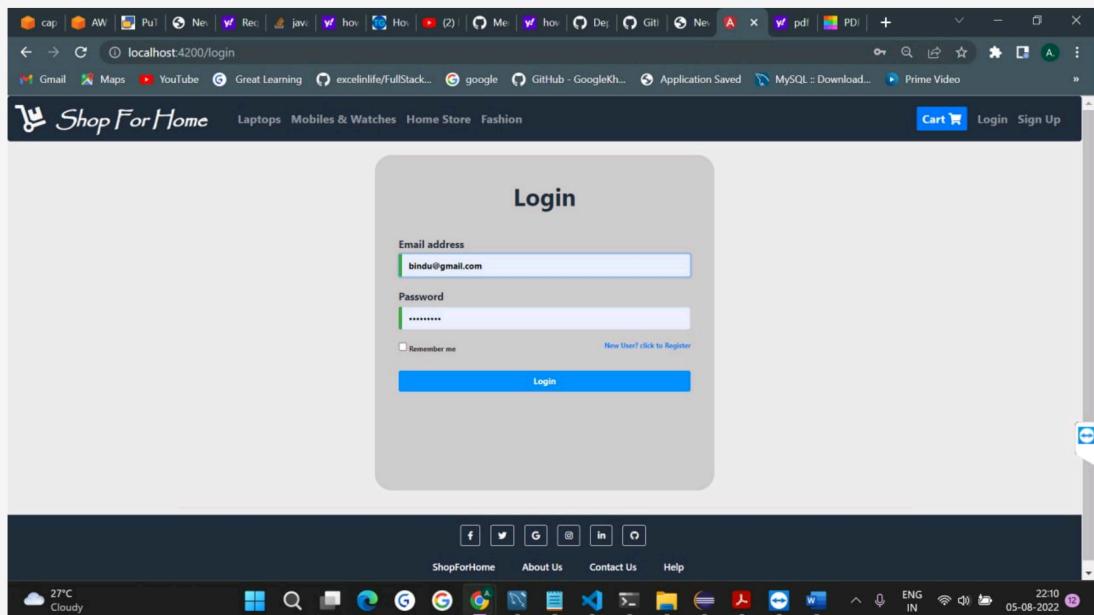
Photo	Name	Price	Quantity	Subtotal	Action
	Noise ColorFit	\$17.99	<input type="button" value="−"/> <input type="text" value="1"/> <input type="button" value="+"/>	\$17.99	<input type="button" value="Remove"/>
	LAMP	\$450.00	<input type="button" value="−"/> <input type="text" value="1"/> <input type="button" value="+"/>	\$450.00	<input type="button" value="Remove"/>

BOOM10

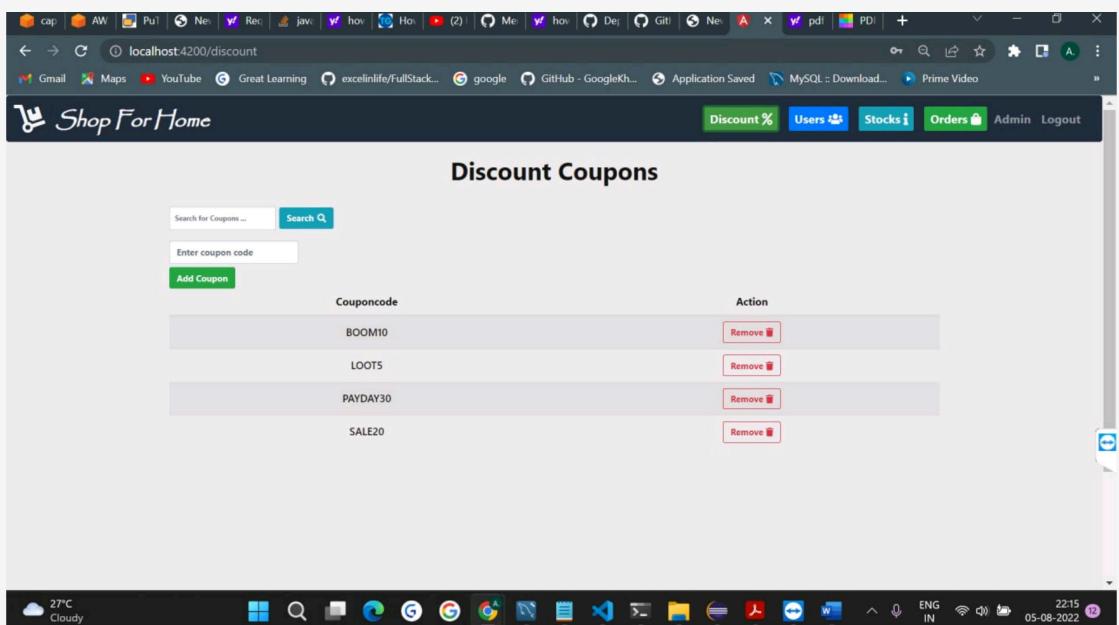
Total: \$374.39

27°C 22:12

# Login Page



# Discounts



The screenshot shows a web browser window with the URL `localhost:4200/discount`. The page title is `Discount Coupons`. The interface includes a search bar, a coupon code input field, and a 'Add Coupon' button. A table lists five coupon codes with their respective actions:

Couponcode	Action
BOOM10	<a href="#">Remove</a>
LOOTS	<a href="#">Remove</a>
PAYDAY30	<a href="#">Remove</a>
SALE20	<a href="#">Remove</a>

The browser's address bar shows multiple tabs, and the taskbar at the bottom displays various application icons.

# Products and Stock

localhost:4200/seller/product?page=4&size=10

Shop For Home

Discount % Users Stocks Orders Admin Logout

Products & Stock

Photo	Code	Name	Description	Price	Stock	Status	Action	Mail
	A613	Boat Xtend	1.5 inch Curved Display Smart Watch	\$22.99	70	Available	<a href="#">Edit</a>	<a href="#">Remove</a>
	A614	realme Buds Air 2	Best bluetooth earpods with ANC	\$40.99	148	Available	<a href="#">Edit</a>	<a href="#">Remove</a>
	A617	Centrino	Men Formal Shoes	\$16.99	1	Available	<a href="#">Edit</a>	<a href="#">Remove</a>

27°C Cloudy 22:16 05-08-2022

# Orders

Order #	Customer Name	Customer Email	Customer Phone	Shipping Address	Total	Order Date	Status	Action
57	V.Navya	Vnavya@gmail.com	6498746453	Hyderabad	\$6.99	Aug 5, 2022	New	<a href="#">Show</a> <a href="#">Cancel</a> <a href="#">Finish</a>
54	V.Navya	Vnavya@gmail.com	6498746453	Hyderabad	\$467.99	Aug 5, 2022	Cancelled	<a href="#">Show</a>
35	Chetan	chetan@gmail.com	6498746886	Mumbai	\$130,000.00	Aug 5, 2022	New	<a href="#">Show</a> <a href="#">Cancel</a> <a href="#">Finish</a>
33	Chetan	chetan@gmail.com	6498746886	Mumbai	\$279.00	Aug 5, 2022	Finished	<a href="#">Show</a>
29	Chetan	chetan@gmail.com	6498746886	Mumbai	\$250.00	Aug 5, 2022	New	<a href="#">Show</a> <a href="#">Cancel</a> <a href="#">Finish</a>

# Thank you!

