

WIPRO CAPSTONE PROJECT

SHOP FOR HOME GROUP B – G6

Submitted in the partial fulfillment of the requirements for Wipro
certification

JAVA FULL STACK DEVELOPMENT

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ABSTRACT

Shop for home ordering Platform is a form of Household e-commerce that allows consumers to directly buy goods from a seller over the internet using a web browser. Consumers find a product of interest by visiting the website of the retailer directly or by searching among alternative vendors using a shopping search engine, which displays the same product availability and pricing at different e- retailers. As of 2020, customers can shop online using a range of different household appliances. Users can log in to the website to shop the products for home decoration. It has the features of adding to a cart, wishlist and making orders from home. Typical online store enables the customer to browse the firm's range of products and services

Table of content

JAVA FULL STACK DEVELOPMENT	1
ABSTRACT	2
CHAPTER-1	4
INTRODUCTION	4
1.1 PURPOSE	4
1.2 User-Requirements:	5
1.3 Admin-Requirements:	5
CHAPTER-2	6
TECHNOLOGIES REQUIRED	6
2.1 Supported Operating System	7
Chapter-3	7
Installation Instructions	7
3.1 Import Backend project in VScode:	7
3.1 DataBase	10
Chapter-4	12
Terminal Results	12
Chapter-5	14
Results	14

CHAPTER-1

INTRODUCTION

This project Shop for Home has been developed in Angular, Java Spring Boot, and MySQL. The Shop for the Home project is an application that is based on managing the Home-decor and sell household items online. The main purpose for developing this project in Angular and Java Spring Boot is to manage all the details about home decor items, home decor category, companies, order, sales etc. There are two categories of user available in this project. First one is admin and second one is user. Admin can add home-décor item category and can also manage the sales details. This Angular project very helpful for maintaining the sales activity in household item. In this project customer can see the details of home-decor item category etc. Only Admin can edit or delete the details of Home-decor item.

1.1 PURPOSE

The main purpose of this module is to provide all the functionality related to customers. It tracks all the information and details of the customer. We have developed all Category of CRUD (Create, Read, Update and Delete) operations of the customers. This is a role-based module where admin can perform each and every operations on data but the customer will be able to view only his/her data, so access level restrictions has also been implemented on the project. We also provide customized Angular and Java Spring Boot" Projects for beginners.

1.2 User-Requirements:

- 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.

1.3 Admin-Requirements:

1. As an Admin I should be able to log in, 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 of users

CHAPTER-2

TECHNOLOGIES REQUIRED

We have developed this project using the below technology

1. HTML: The page layout has been designed in HTML
2. CSS: CSS has been used for all the designing part
3. JavaScript: All the validation task and animations has been developed by JavaScript
4. Java Spring Boot: All the business and backend API logic has been implemented in Java Spring Boot
5. .SQL: SQL files have been used as a database for the project
6. Angular: All the frontend logic has been implemented over Angular and we used angular CLI for it
7. Visual Studio Code-(VSS): For Angular IDE, we have used Visual Studio Code
8. STS: We have used STS (Spring Tool Suite) for developing all spring boot API Tomcat: Project will be run over the
9. Tomcat server

2.1 Supported Operating System

We can configure this project on the following operating system.

Windows: This project can easily be configured on the Windows operating system.

Chapter-3

Installation Instructions

Install the following software.

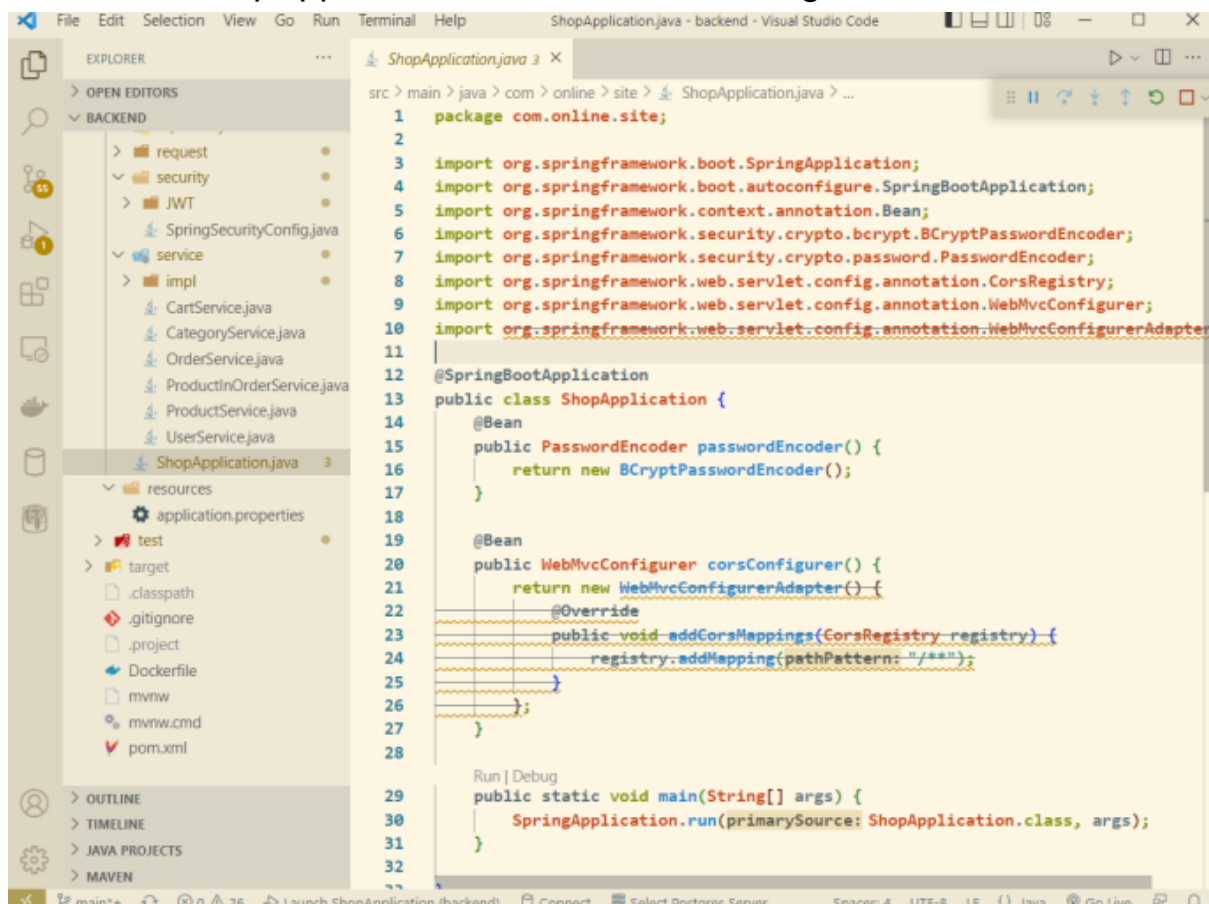
1. Java
2. Angular
3. Node.js

Install following code editors

1. VScode
2. Eclipse

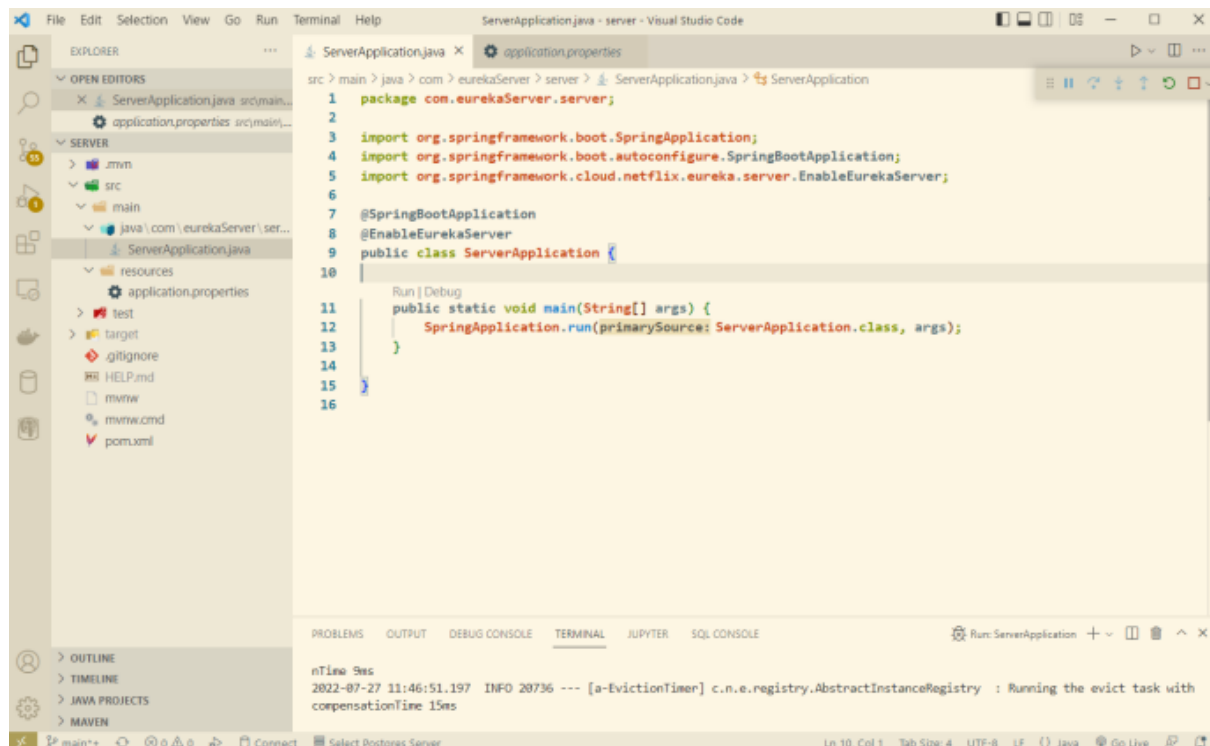
3.1 Import Backend project in VScode:

1. open the backend folder in the VScode.
2. Run the ShopApplication class shown in the figure below



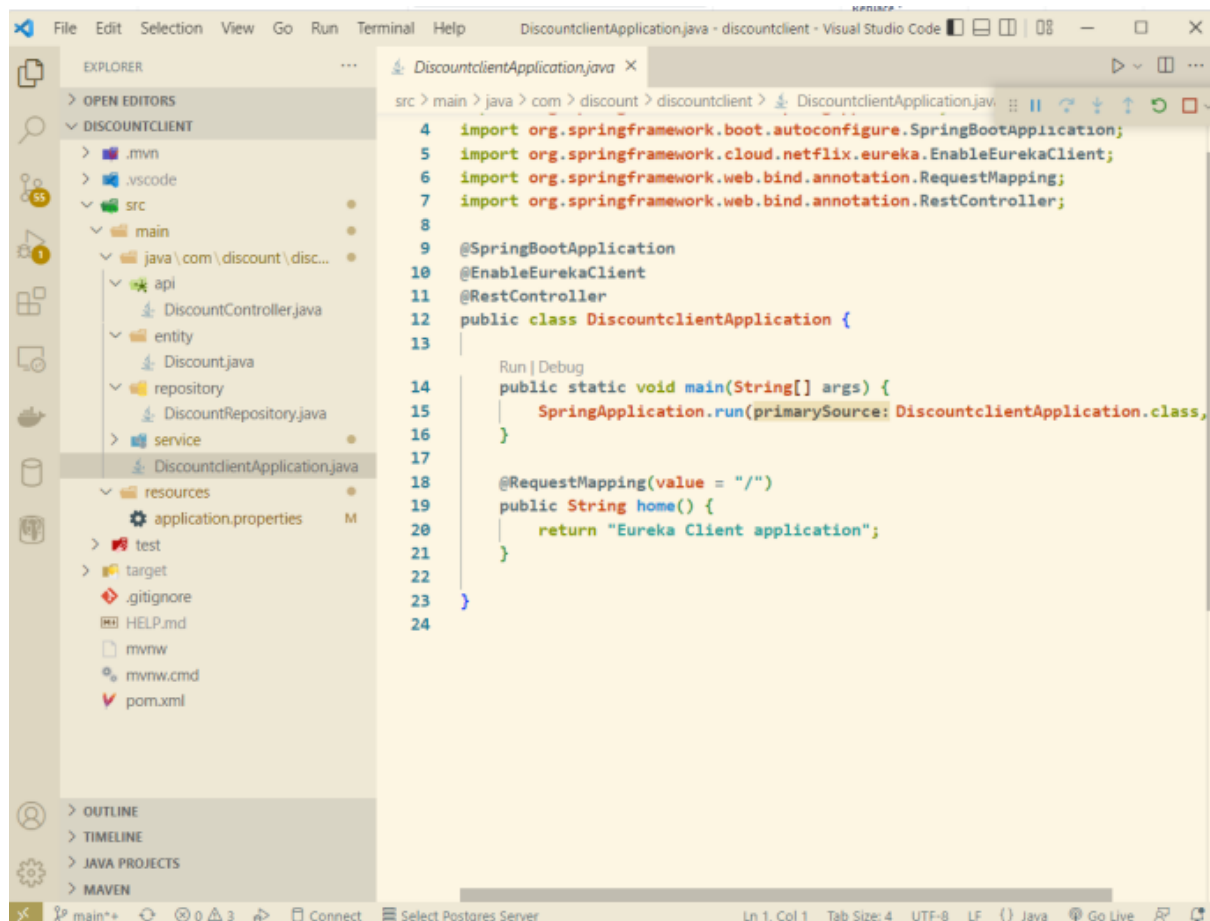
1. Open the Server folder in the new VSCode window.

2. Run the server application class.

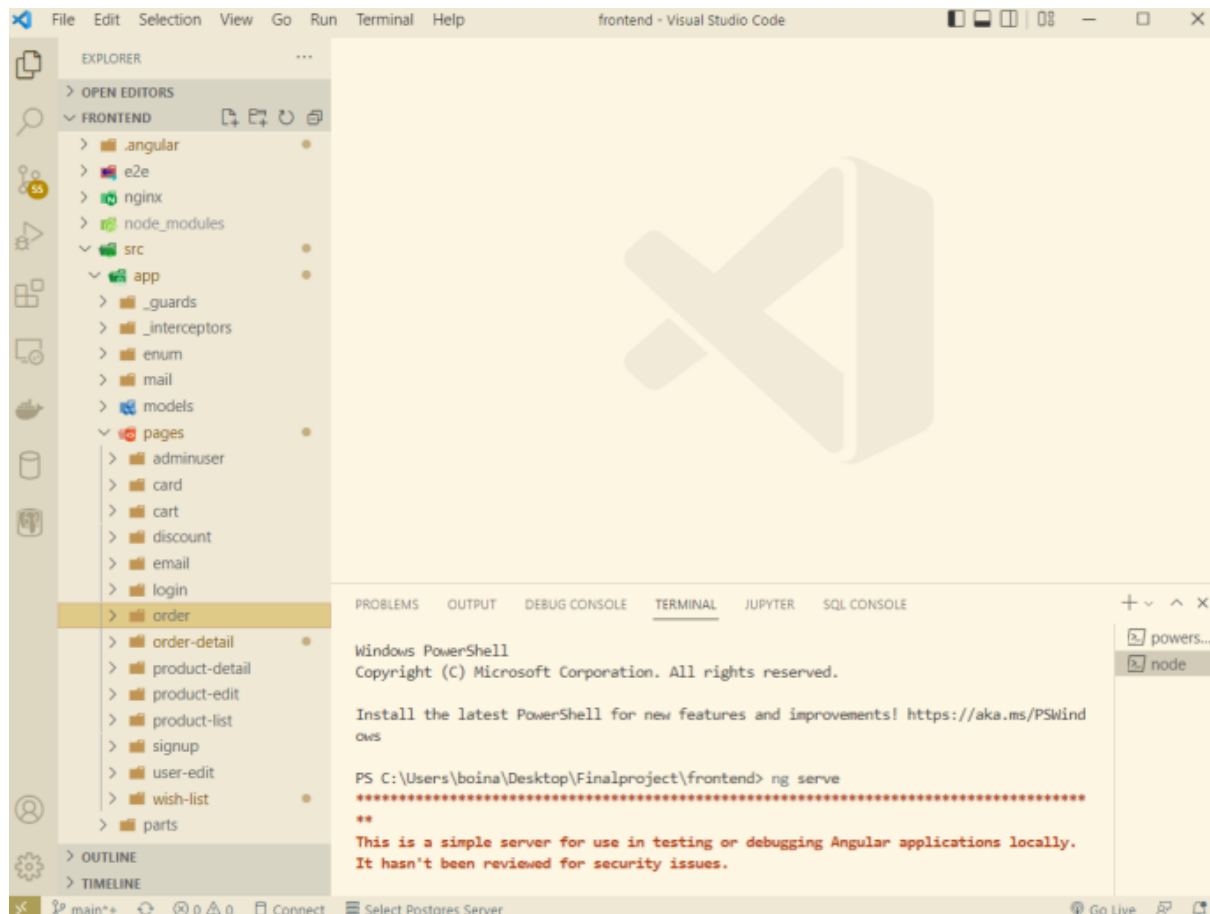


1. Open the DiscountClient folder in the new VSCode window.

2. Run the DiscoutClietApplication class.

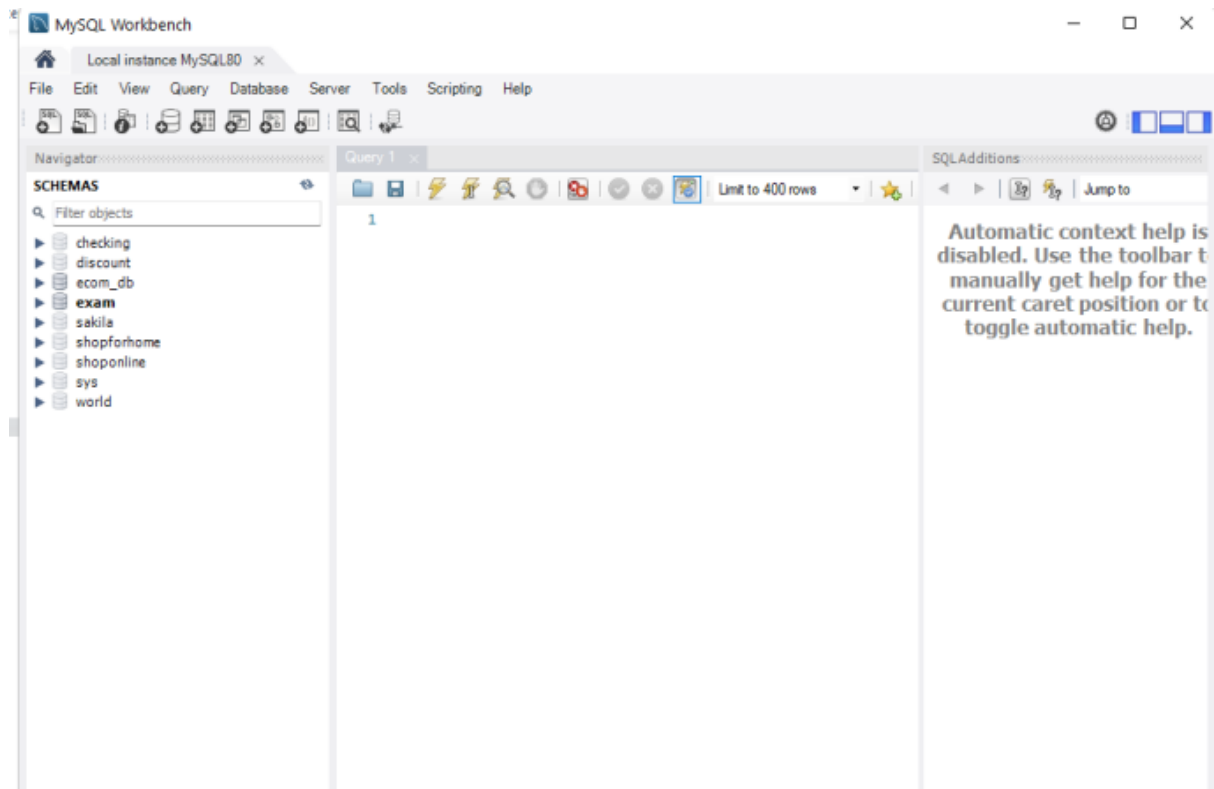


1. Open frontend folder in new VSCode window.
2. Run the ng serve in the Terminal.



3.1 DataBase

1. Install My SQL Workbench
2. After installation search the MySql workbench on your computer
3. Open my SQL workbench.

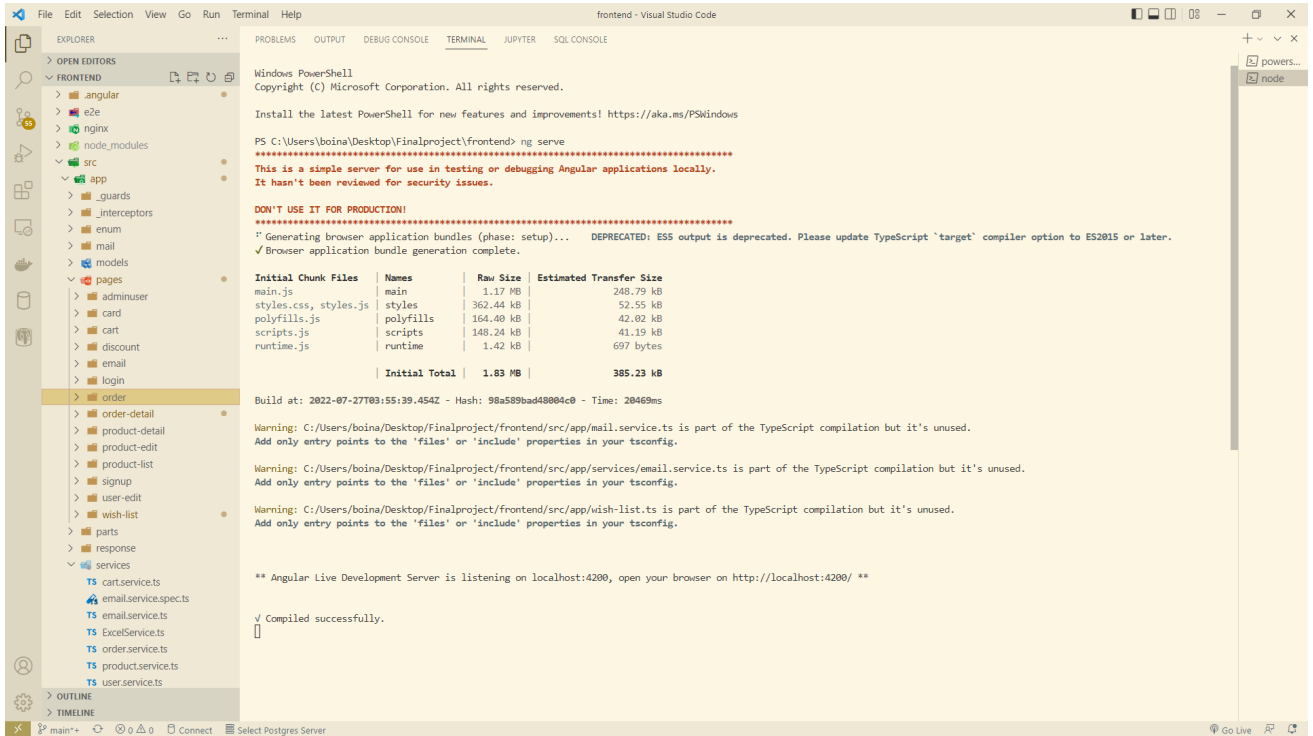


1. This type of screen will open.
2. Create the ecom_db database using create schema option.

Chapter-4

Terminal Results

1. Frontend



```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\boina\Desktop\Finalproject\frontend> ng serve
*****
This is a simple server for use in testing or debugging Angular applications locally.
It hasn't been reviewed for security issues.

DON'T USE IT FOR PRODUCTION!
*****
Generating browser application bundles (phase: setup)...  DEPRECATED: ESS output is deprecated. Please update TypeScript 'target' compiler option to ES2015 or later.
✓ Browser application bundle generation complete.

Initial Chunk Files | Names | Raw Size | Estimated Transfer Size
main.js             | main | 1.17 MB | 248.79 kB
styles.css, styles.js | styles | 362.44 kB | 52.55 kB
polyfills.js        | polyfills | 164.40 kB | 42.02 kB
scripts.js          | scripts | 148.24 kB | 41.19 kB
runtime.js          | runtime | 1.42 kB | 697 bytes
| Initial Total | 1.83 MB | 385.23 kB

Build at: 2022-07-27T03:55:39.454Z - Hash: 98a589bad48004c0 - Time: 20469ms

Warning: C:\Users\boina\Desktop\Finalproject\frontend\src\app\mail.service.ts is part of the TypeScript compilation but it's unused.
Add only entry points to the 'files' or 'include' properties in your tsconfig.

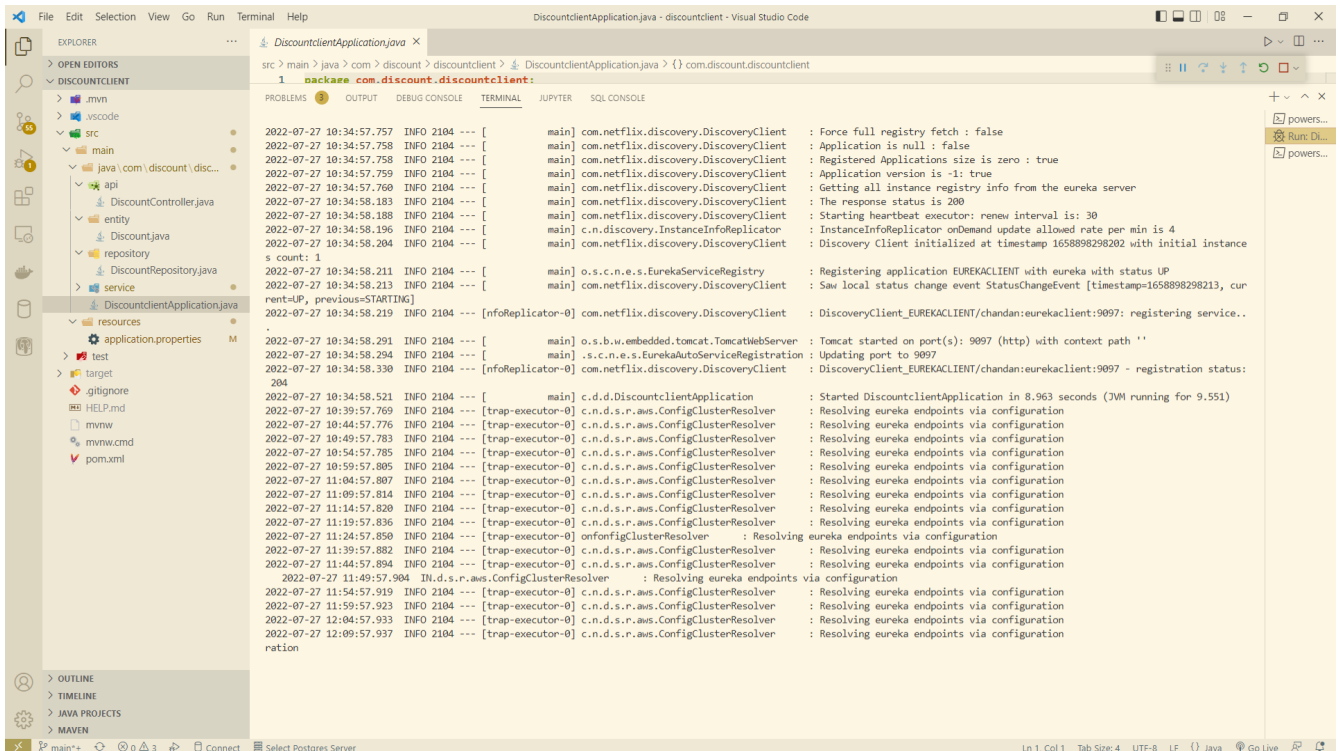
Warning: C:\Users\boina\Desktop\Finalproject\frontend\src\app\services\email.service.ts is part of the TypeScript compilation but it's unused.
Add only entry points to the 'files' or 'include' properties in your tsconfig.

Warning: C:\Users\boina\Desktop\Finalproject\frontend\src\app\wish-list.ts is part of the TypeScript compilation but it's unused.
Add only entry points to the 'files' or 'include' properties in your tsconfig.

** Angular Live Development Server is listening on localhost:4200, open your browser on http://localhost:4200/ **

✓ Compiled successfully.
```

2. DiscountClient



```
src > main > java > com > discount > discountclient > DiscountclientApplication.java > {} com.discount.discountclient
1 backaxe com.discount.discountclient:

2022-07-27 10:34:57.757 INFO 2104 --- [main] com.netflix.discovery.DiscoveryClient : Force full registry fetch : false
2022-07-27 10:34:57.758 INFO 2104 --- [main] com.netflix.discovery.DiscoveryClient : Application is null : false
2022-07-27 10:34:57.758 INFO 2104 --- [main] com.netflix.discovery.DiscoveryClient : Registered Applications size is zero : true
2022-07-27 10:34:57.759 INFO 2104 --- [main] com.netflix.discovery.DiscoveryClient : Application version is -1: true
2022-07-27 10:34:57.760 INFO 2104 --- [main] com.netflix.discovery.DiscoveryClient : Getting all instance registry info from the eureka server
2022-07-27 10:34:58.183 INFO 2104 --- [main] com.netflix.discovery.DiscoveryClient : The response status is 200
2022-07-27 10:34:58.188 INFO 2104 --- [main] com.netflix.discovery.DiscoveryClient : Starting heartbeat executor: renew interval is: 30
2022-07-27 10:34:58.196 INFO 2104 --- [main] c.n.d.s.r.aws.ConfigClusterResolver : InstanceInfoReplicator onDemand update allowed rate per min is 4
2022-07-27 10:34:58.204 INFO 2104 --- [main] com.netflix.discovery.DiscoveryClient : Discovery Client initialized at timestamp 1658898298202 with initial instance
s count: 1
2022-07-27 10:34:58.211 INFO 2104 --- [main] o.s.c.n.e.s.EurekaServiceRegistry : Registering application EUREKACLIENT with eureka with status UP
2022-07-27 10:34:58.213 INFO 2104 --- [main] com.netflix.discovery.DiscoveryClient : Saw local status change event StatusChangeEvent [timestamp=1658898298213, cur
rent=UP, previous=STARTING]
2022-07-27 10:34:58.219 INFO 2104 --- [infoReplicator-0] com.netflix.discovery.DiscoveryClient : DiscoveryClient_EUREKACLIENT/chandan:eurekaclient:9097: registering service..
.
2022-07-27 10:34:58.291 INFO 2104 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 9097 (http) with context path ''
2022-07-27 10:34:58.294 INFO 2104 --- [main] .s.c.n.e.s.EurekaAutoServiceRegistration : Updating port to 9097
2022-07-27 10:34:58.330 INFO 2104 --- [infoReplicator-0] com.netflix.discovery.DiscoveryClient : DiscoveryClient_EUREKACLIENT/chandan:eurekaclient:9097 - registration status:
204
2022-07-27 10:34:58.521 INFO 2104 --- [main] c.d.d.DiscountclientApplication : Started DiscountclientApplication in 8.963 seconds (JVM running for 9.551)
2022-07-27 10:39:57.769 INFO 2104 --- [trap-executor-0] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via configuration
2022-07-27 10:44:57.776 INFO 2104 --- [trap-executor-0] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via configuration
2022-07-27 10:49:57.783 INFO 2104 --- [trap-executor-0] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via configuration
2022-07-27 10:54:57.785 INFO 2104 --- [trap-executor-0] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via configuration
2022-07-27 10:59:57.805 INFO 2104 --- [trap-executor-0] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via configuration
2022-07-27 11:04:57.807 INFO 2104 --- [trap-executor-0] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via configuration
2022-07-27 11:09:57.814 INFO 2104 --- [trap-executor-0] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via configuration
2022-07-27 11:14:57.820 INFO 2104 --- [trap-executor-0] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via configuration
2022-07-27 11:19:57.836 INFO 2104 --- [trap-executor-0] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via configuration
2022-07-27 11:24:57.850 INFO 2104 --- [trap-executor-0] ononfigClusterResolver : Resolving eureka endpoints via configuration
2022-07-27 11:39:57.882 INFO 2104 --- [trap-executor-0] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via configuration
2022-07-27 11:44:57.894 INFO 2104 --- [trap-executor-0] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via configuration
2022-07-27 11:49:57.904 INFO 2104 --- [trap-executor-0] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via configuration
2022-07-27 11:54:57.919 INFO 2104 --- [trap-executor-0] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via configuration
2022-07-27 11:59:57.923 INFO 2104 --- [trap-executor-0] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via configuration
2022-07-27 12:04:57.933 INFO 2104 --- [trap-executor-0] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via configuration
2022-07-27 12:09:57.937 INFO 2104 --- [trap-executor-0] c.n.d.s.r.aws.ConfigClusterResolver : Resolving eureka endpoints via configuration
ration
```

3. Eureka Server

4. Backend

The screenshot captures the development environment of a Spring Boot application. On the left, the IDE's sidebar contains several panels: Explorer (showing project files), Outline (showing class hierarchy), Timeline (showing build steps), Java Projects (listing available projects), and Maven (showing dependencies). The central workspace is occupied by the Terminal view, which displays the execution logs of the application.

The terminal output begins with standard Windows PowerShell prompts and indicates that the latest version of PowerShell features and improvements are being used. It then shows the command used to run the application, followed by a series of log messages:

- Initialization of the application context, including the creation of the `ApplicationContext`.
- Startup of the Tomcat web server on port 8080.
- Configuration of the application properties, including database connection details.
- Initialization of the Spring DispatcherServlet.
- Completion of the application startup process.

The final status message indicates that the application has started successfully and is ready to accept requests.

Chapter-5

Results


KENT Force Cyclonic Vacuum Cleaner

2000-Watt (White and Silver)


Price:6099

Add to wishlist

Add to Cart



Cart








Photo	Name	Price	Quantity	Total Price	Remove
	KENT Force Cyclonic Vacuum Cleaner	6099	<div>-1+</div>	\$6,099.00	<div>Remove</div>

Select Coupon

ssss-10%

Total Amount: 5489.1








Checkout

Shop For Home		Category ▾	asd Cart Wishlist order Sign Out	
My WishList				
Photo	Price	Remove		
	\$699.00	Remove		
	\$10,999.00	Remove		
	\$6,099.00	Remove		
	\$10,999.00	Remove		
	\$10,999.00	Remove		
	\$23,278.00	Remove		
	\$24,290.00	Remove		
Shop For Home		Category ▾	asd Cart Wishlist order Sign Out	
Orders				
Shipping Address	Total	Order Data		
asd	6099	Jul 26, 2022		
asd	22697	Jul 27, 2022		

Shop For Home

[asd](#) [Discount](#) [Users](#) [Stocks](#) [order](#) [Sign Out](#)

Stock Report









Images	Product Id	Name	Category	Description	Price	Stock	Status	Action
	A001	KENT Force Cyclonic Vacuum Cleaner		2000-Watt (White and Silver)	\$6,099.00	21	Available	Edit
	A0010	Havells Adonia Storage Water Heater	Books	Spin 15-Litre Vertical Storage Water Heater (Geyser) White Blue 5 Star	\$10,999.00	20	Available	Edit
	A0011	Panasonic Fully-Automatic Top Loading Washing Machine	Books	6 Kg 5 Star (NA-F60LF1HRB, Grey)	\$13,690.00	10	Available	Edit
	A0012	AO Smith Water Purifier	Books	Z8 Hot+ normal RO (10 L storage)(100%RO)(Mineralizer Tech) Wall mount Water Purifier for home	\$23,278.00	50	Available	Edit
	A002	Butterfly Premium Vegetable Chopper	Books	Unique string function to chop vegetables and fruits with ease	\$385.00	60	Available	Edit
	A003	Bajaj Oven Toaster Griller	Books	2200 TMSS OTG with Motorised Rotisserie and Stainless Steel Body,22 Liter	\$5,799.00	40	Available	Edit
	A004	Croma Drip Coffee Maker	Books	0.6L with 5 Cup Capacity Keep Warm Function & Removable Glass for 600ML	\$1,600.00	22	Available	Edit

Shop For Home

[asd](#) [Discount](#) [Users](#) [Stocks](#) [order](#) [Sign Out](#)

Coupons		
Code	Percentage	Action
SSSS	10 %	Delete
<div><input type="text" value="Enter coupon code"/></div> <div><input type="text" value="Enter percentage"/> Add Coupon</div>		

Users			
Email	Name	Role	Action
asd@g	asd	ROLE_MANAGER	<button>Remove Admin</button>
rock@q	asd	ROLE_CUSTOMER	<button>Add Admin</button>
asdf@a	asd	ROLE_CUSTOMER	<button>Add Admin</button>
asd@a	asd	ROLE_CUSTOMER	<button>Add Admin</button>
as@a	asd	ROLE_CUSTOMER	<button>Add Admin</button>
asdfg@a	asd	ROLE_CUSTOMER	<button>Add Admin</button>

	TD0018	PIGEON-ELECTRIC-KETTLE	Pigeon 1.5 litres 1500 Watts Electric Kettle	\$549.00	22	Available	Edit
	TD0019	Sony Bravia (43 inches) Full HD Smart LED TV	Sony Bravia (43 inches) 4K Ultra HD Smart LED Google TV KD-55X80AJ (Black) (2021 Model)	\$34,999.00	60	Available	Edit
	TD002	Lifelong Glass Top Gas Stove	4 Burner Gas Stove, Black (ISI Certified,1 year warranty with Doorstep Service)	\$1,599.00	60	Available	Edit
	TD0020	Eden tufted Duvet Cover set	Tufted Duvet Cover Set Boho Quilt Cover UO Bedding Cotton Blanket Cinnamon	\$5,001.00	40	Available	Edit
	TD003	Usha Aurora Dry Iron	1000 W Dry Iron with Innovative Tail Light Indicator, Weiburger Soleplate (Black)	\$696.00	40	Available	Edit
	TD007	PHILIPS LED Desk light	Plastic LED Desk light, White	\$583.00	60	Available	Edit
	TD008	Kraft pots (12 Pcs)	12Pcs Plastic Gamla/Planter/Pot with Bottom Plate/Tray, 8 inch	\$588.00	40	Available	Edit
	TD009	LOOM solar panel	LOOM SOLAR Panel 50 WATT/12 V MONO PERC	\$2,684.00	22	Available	Edit

Shop For Home

[asd](#) [Discount](#) [Users](#) [Stocks](#) [order](#) [Sign Out](#)


Orders					
Shipping Address	Total	Order Data	Status	Cancel	Action
asd	6099	Jul 26, 2022	New	Cancel	Show
asd	22697	Jul 27, 2022			Finish
asd	10999	Jul 27, 2022			

Shop For Home

Category ▾

asd Cart Wishlist order Sign Out


Search



KENT Force Cyclonic Vacuum Cleaner

6099


Open



Havells Adonia Storage Water Heater

10999


Open




Panasonic Fully-Automatic Top Loading Washing Machine


13690

Open



A.O. Smith Water Purifier





Point Cook Toaster


Shop For Home

Category ▾

asd Cart Wishlist order Sign Out

Search


HOME APPLIANCES
FURNITURE
KITCHEN AND DINING
HOME FURNISHING
STORAGE
HOME DECOR
LIGHTING
GARDEN AND OUTDOOR
TODAY'S DEALS



KENT Force Cyclonic Vacuum Cleaner

6099


Open



Havells Adonia Storage Water Heater

10999


Open




Panasonic Fully-Automatic Top Loading Washing Machine


13690

Open



A.O. Smith Water Purifier






Point Cook Toaster

Shop For Home

Category

asd Cart Wishlist order Sign Out


as



Panasonic Fully-Automatic Top Loading Washing Machine

13690


Open



Butterfly Premium Vegetable Chopper

385


Open




Bajaj Oven Toaster Griller

5799

Open



Pigeon Pista Puffa Maker



Pigeon Probudh Chimney

Results

Shop For Home

asd Discount Users Stocks order Sign Out

Orders

Shipping Address	Total	Order Data	Status	Cancel	Action
asd	6099	Jul 26, 2022	New	Cancel	Show Finish
asd	22697	Jul 27, 2022			
asd	10999	Jul 27, 2022			

THANK YOU