

SHOP FOR HOME



Presented By:

1. Shruthika Gajula
2. Challagundla Gowri
3. Uday Kumar Malige
4. Bhuvaneswari Thotakura

Under the supervision:
Parth Shukla

Capstone Project Batch C3 Group 7

PROBLEM STATEMENT

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 cloud platforms and wants their own web application.



Software Requirements

Technologies:

- Angular
- Spring boot
- My SQL

Languages:

- TypeScript
- Java
- SQL
- HTML
- CSS

Operating System:

- Windows 7/8/10/11
- Linux Distro
- MacOS X or Later

Hardware Requirements



Processor:

➤ Intel or AMD dual core
x86 processor

Ram:

4GB or above

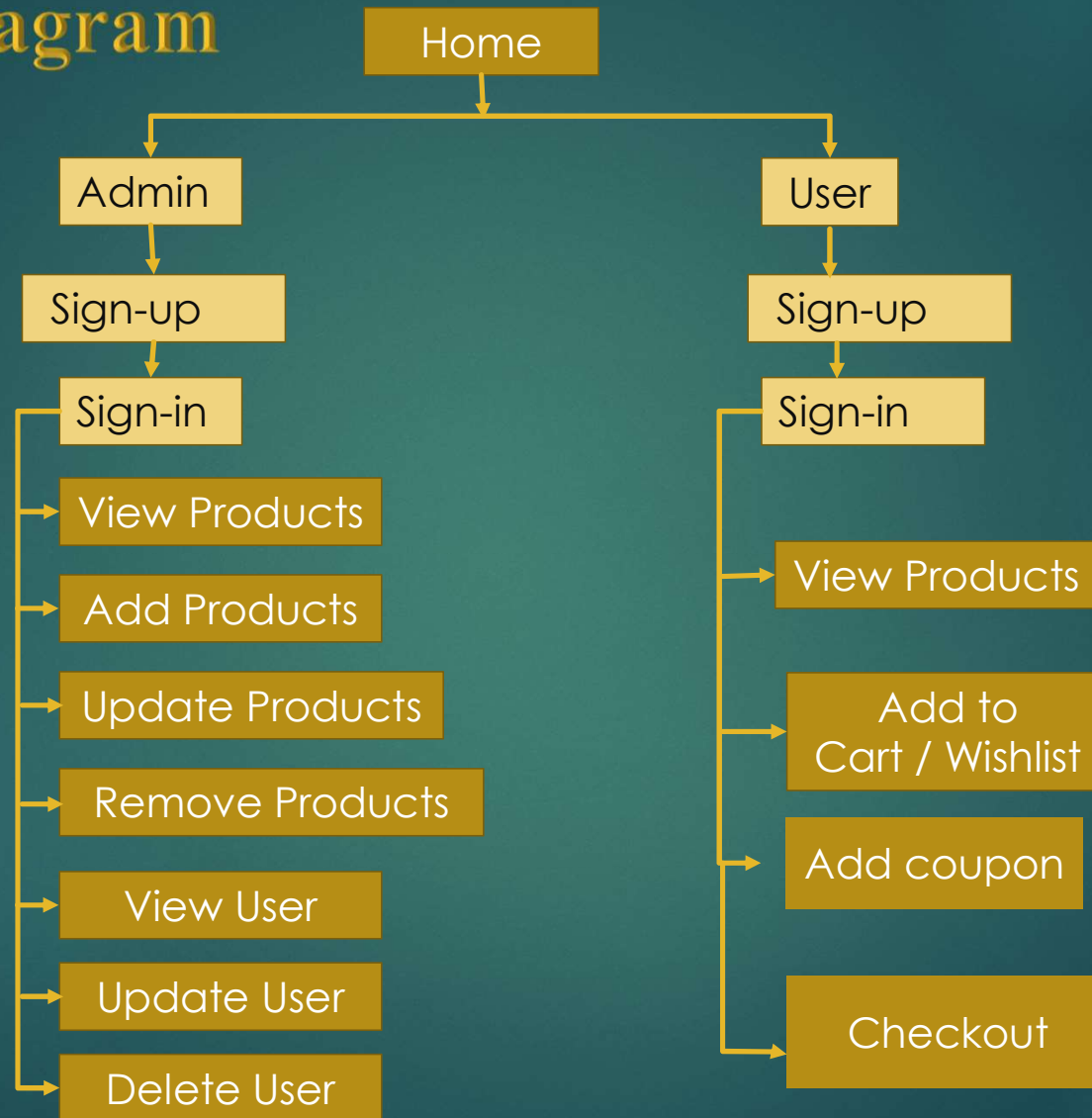
Operating System:

➤ 500MB of free disk
space or more

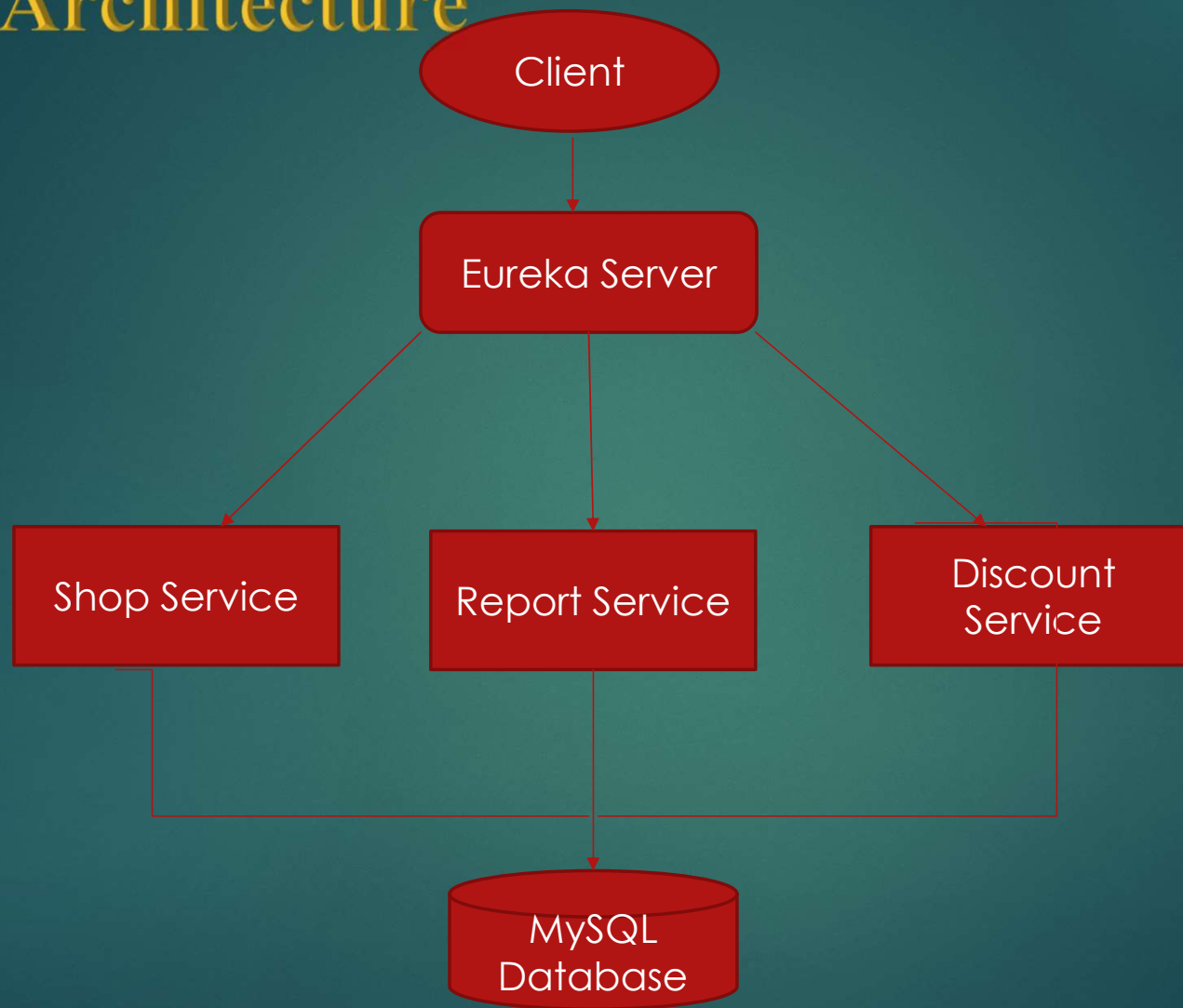
Entities in the Database

- Product_info
- Product_in_order
- Wishlist
- Order_main
- Discount
- Cart
- Product_category
- Users

Data Flow Diagram



Project Architecture

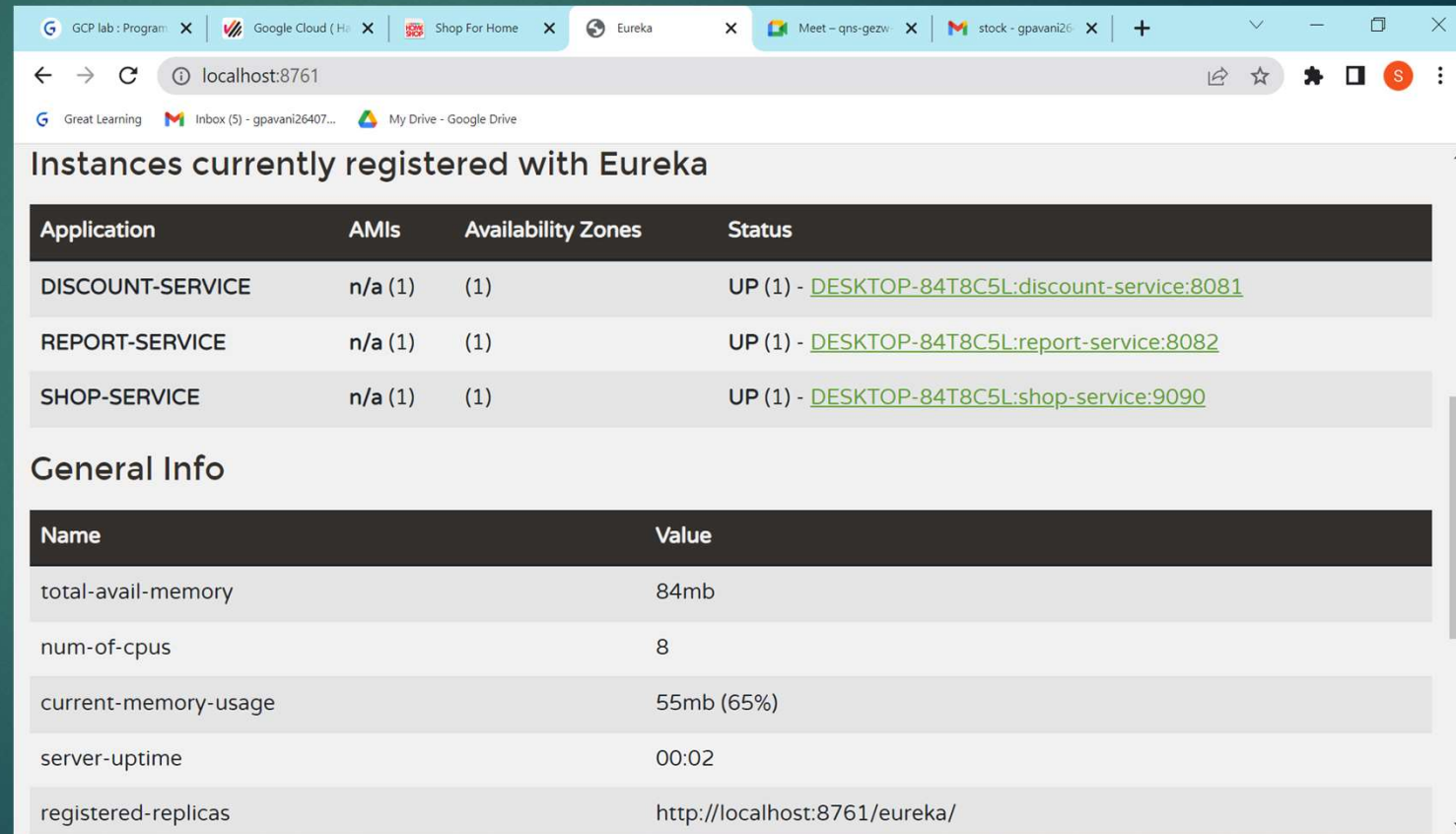


Eureka Server For Microservice :

Eureka Server is service discovery for your microservices, where all client applications can register by themselves and other microservices look up the Eureka Server to get independent microservices to get the job complete.

Running the Eureka Server

Run the Eureka server as Java application and go the URL:
<http://localhost:8761/>



The screenshot shows the Eureka Server web interface in a browser. The address bar displays `localhost:8761`. The page title is "Instances currently registered with Eureka". Below this, there is a table with the following data:

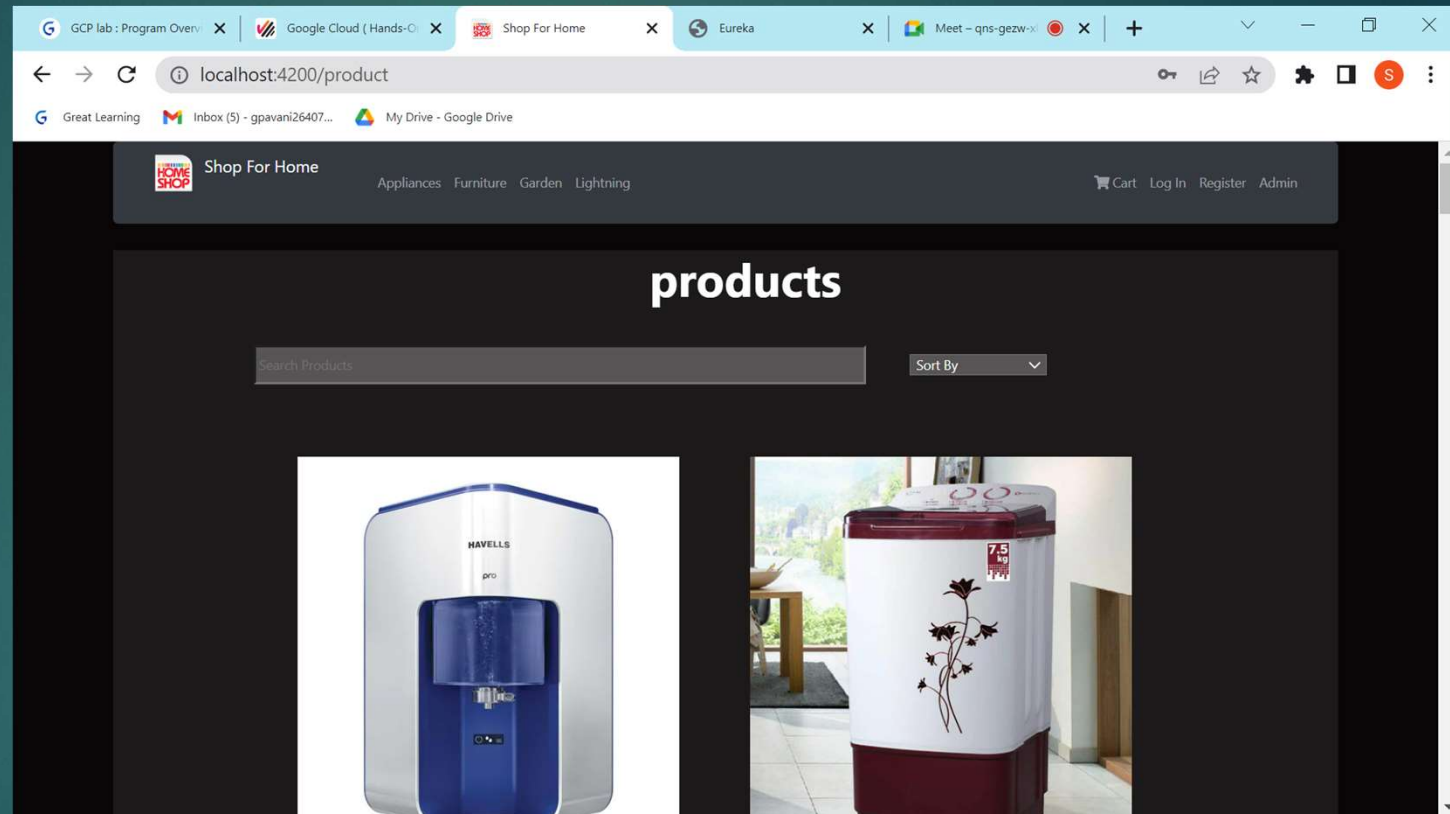
Application	AMIs	Availability Zones	Status
DISCOUNT-SERVICE	n/a (1)	(1)	UP (1) - DESKTOP-84T8C5L:discount-service:8081
REPORT-SERVICE	n/a (1)	(1)	UP (1) - DESKTOP-84T8C5L:report-service:8082
SHOP-SERVICE	n/a (1)	(1)	UP (1) - DESKTOP-84T8C5L:shop-service:9090

Below the table, there is a section titled "General Info" with a table showing system metrics:

Name	Value
total-avail-memory	84mb
num-of-cpus	8
current-memory-usage	55mb (65%)
server-uptime	00:02
registered-replicas	http://localhost:8761/eureka/

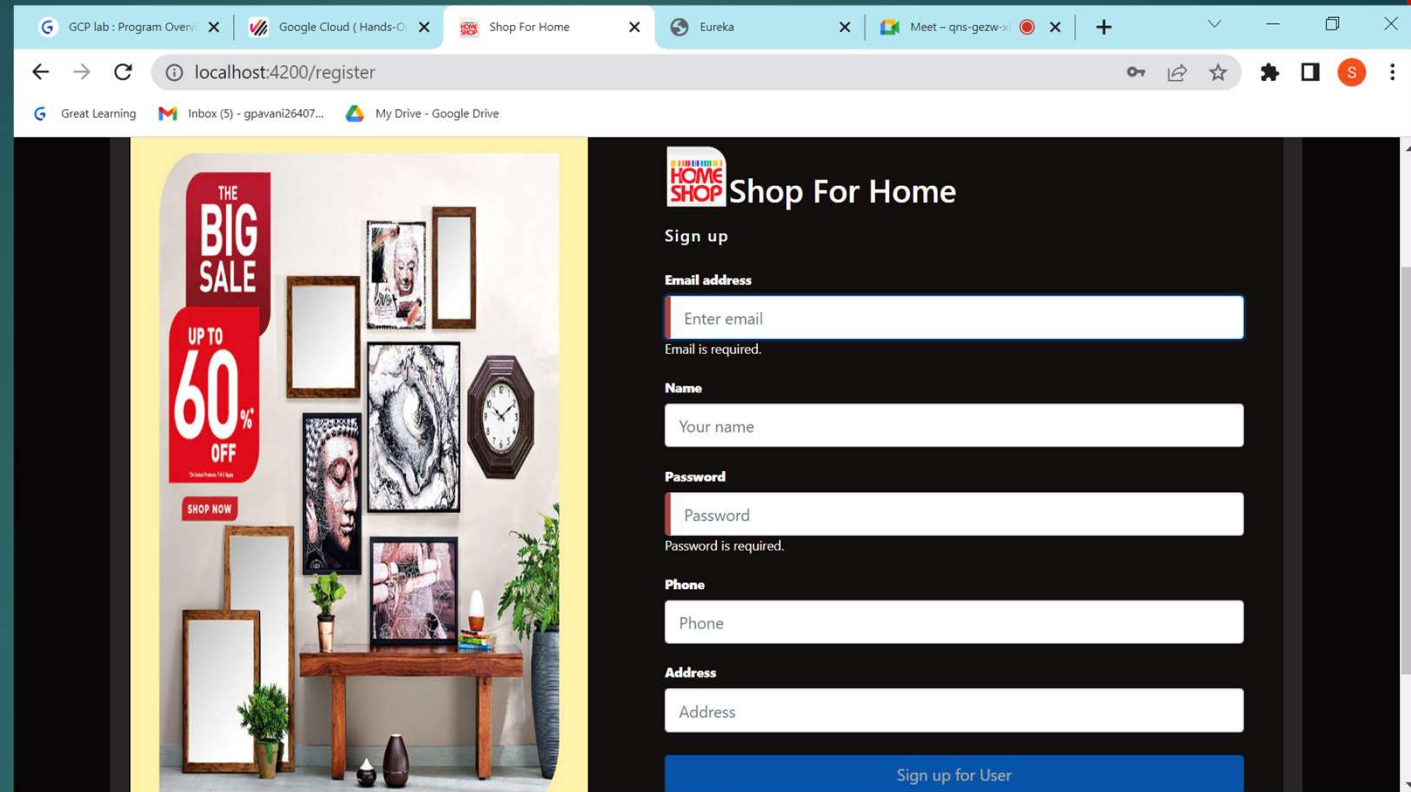
User Functionality

Home Page



- This is the page that displays the necessary details about the site and offers available.

Registration Page User:



The screenshot shows a web browser window with the URL `localhost:4200/register`. The page features a dark-themed layout. On the left, there is a promotional banner for 'THE BIG SALE' with 'UP TO 60% OFF' and a 'SHOP NOW' button. The main content area on the right is titled 'Shop For Home' and contains a 'Sign up' form. The form includes input fields for 'Email address', 'Name', 'Password', 'Phone', and 'Address'. Each field has a placeholder text and a validation message below it: 'Enter email' and 'Email is required.' for the email field; 'Your name' for the name field; 'Password' and 'Password is required.' for the password field; 'Phone' for the phone field; and 'Address' for the address field. A blue 'Sign up for User' button is located at the bottom of the form.

THE BIG SALE
UP TO 60% OFF
SHOP NOW

Shop For Home

Sign up

Email address
Enter email
Email is required.

Name
Your name

Password
Password
Password is required.

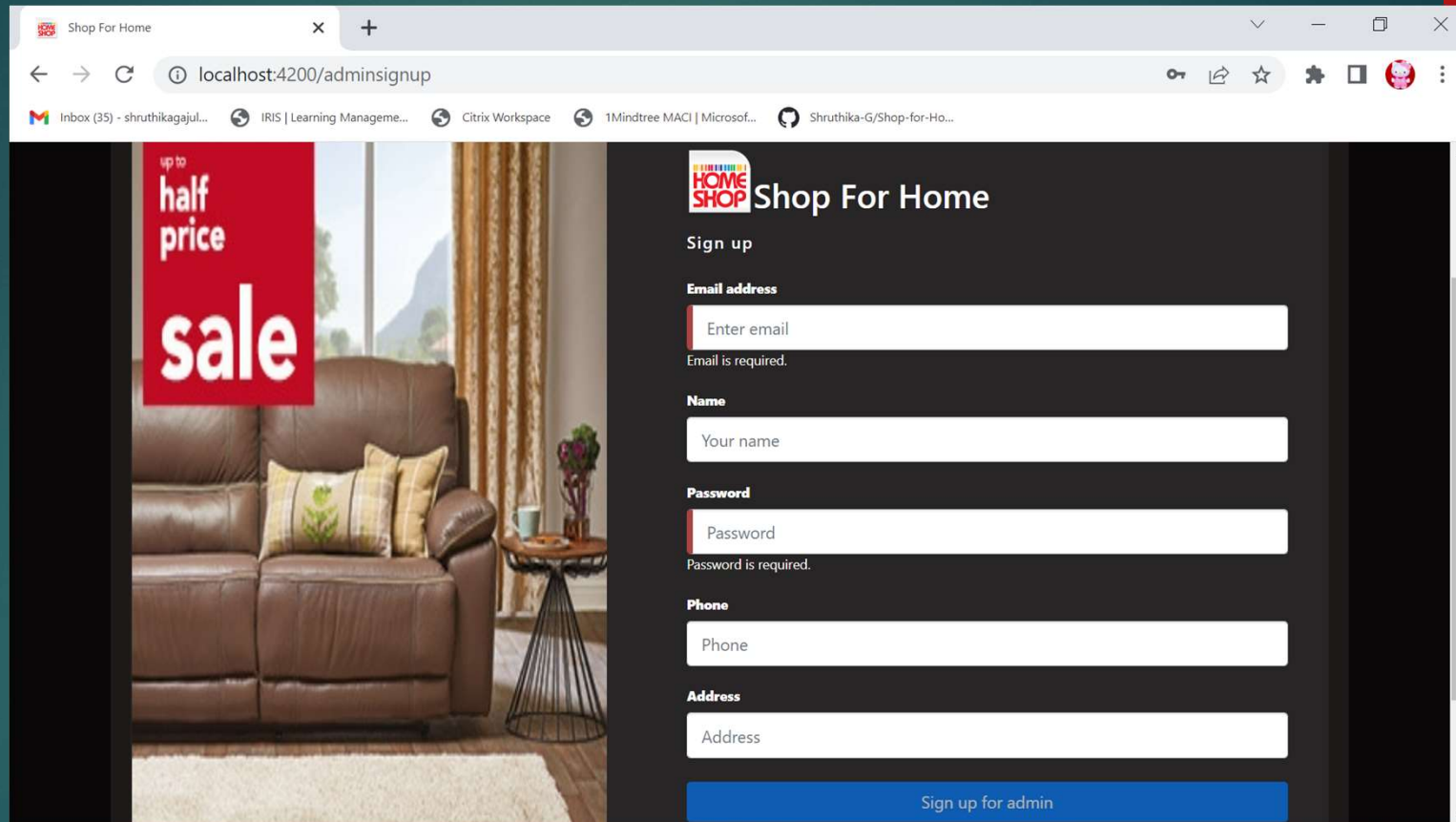
Phone
Phone

Address
Address

Sign up for User

- User Registration: This feature allows user to register when using the app for the first time. All the fields must be filled to sign-up.

Registration Page Admin:



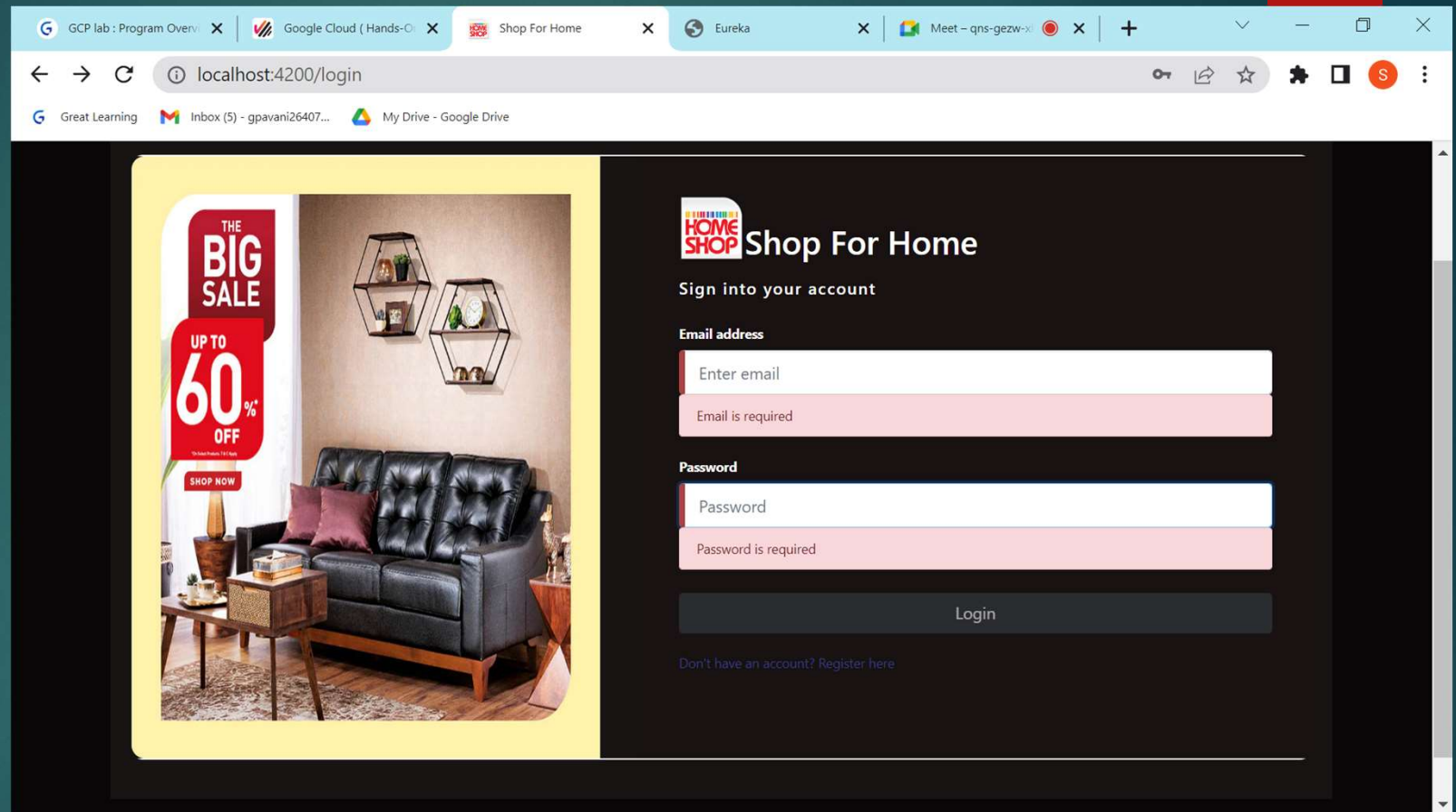
The screenshot shows a web browser window with the address bar displaying 'localhost:4200/adminsignup'. The page features a dark theme. On the left, there is a promotional image of a brown leather sofa with a red banner that reads 'up to half price sale'. On the right, the 'Shop For Home' logo is displayed above the 'Sign up' heading. The registration form includes the following fields and labels:

- Email address:** A text input field with the placeholder 'Enter email'. Below it, a message states 'Email is required.'
- Name:** A text input field with the placeholder 'Your name'.
- Password:** A text input field with the placeholder 'Password'. Below it, a message states 'Password is required.'
- Phone:** A text input field with the placeholder 'Phone'.
- Address:** A text input field with the placeholder 'Address'.

At the bottom of the form is a blue button labeled 'Sign up for admin'.

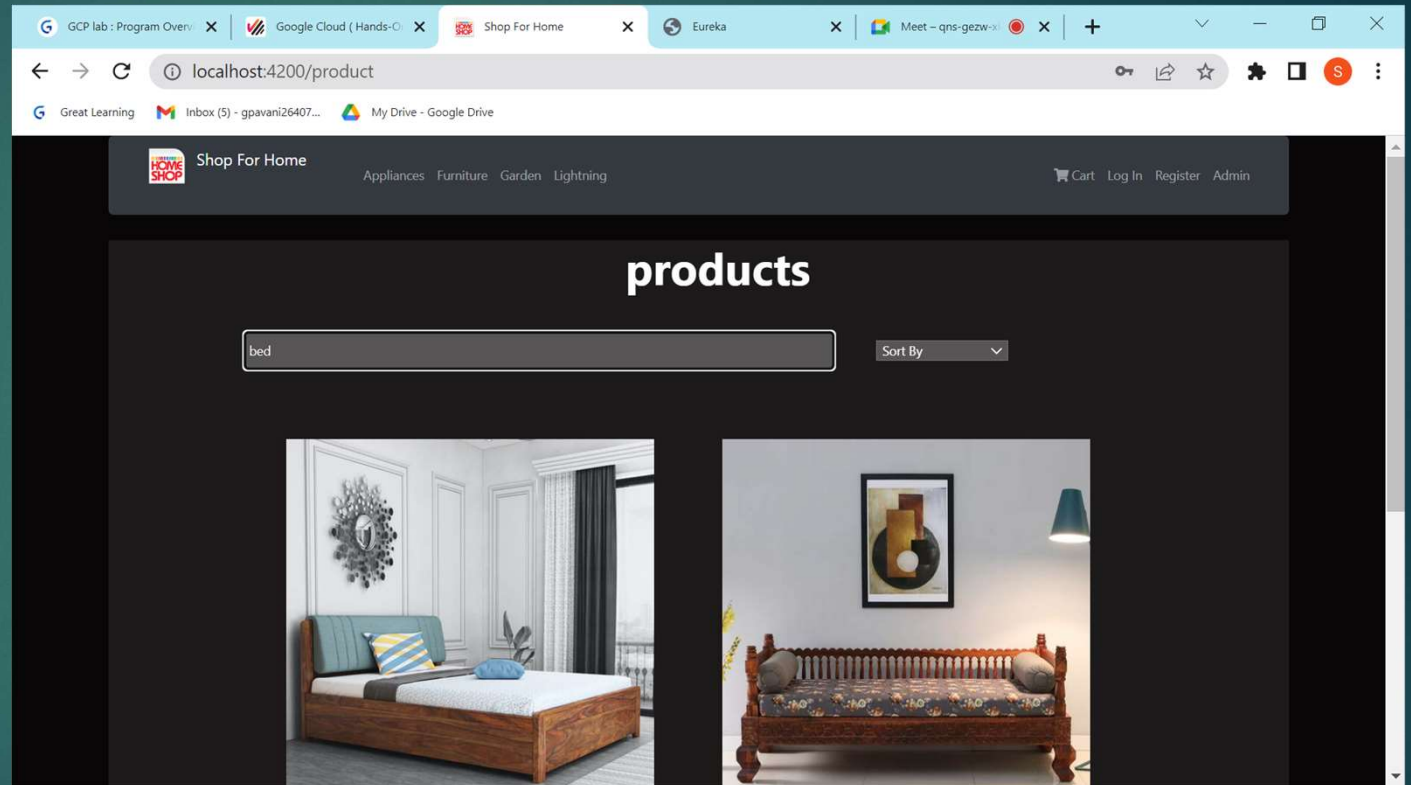
- Admin Registration: This feature allows the admin to register and will have the access to see the details of the user.

Login Page



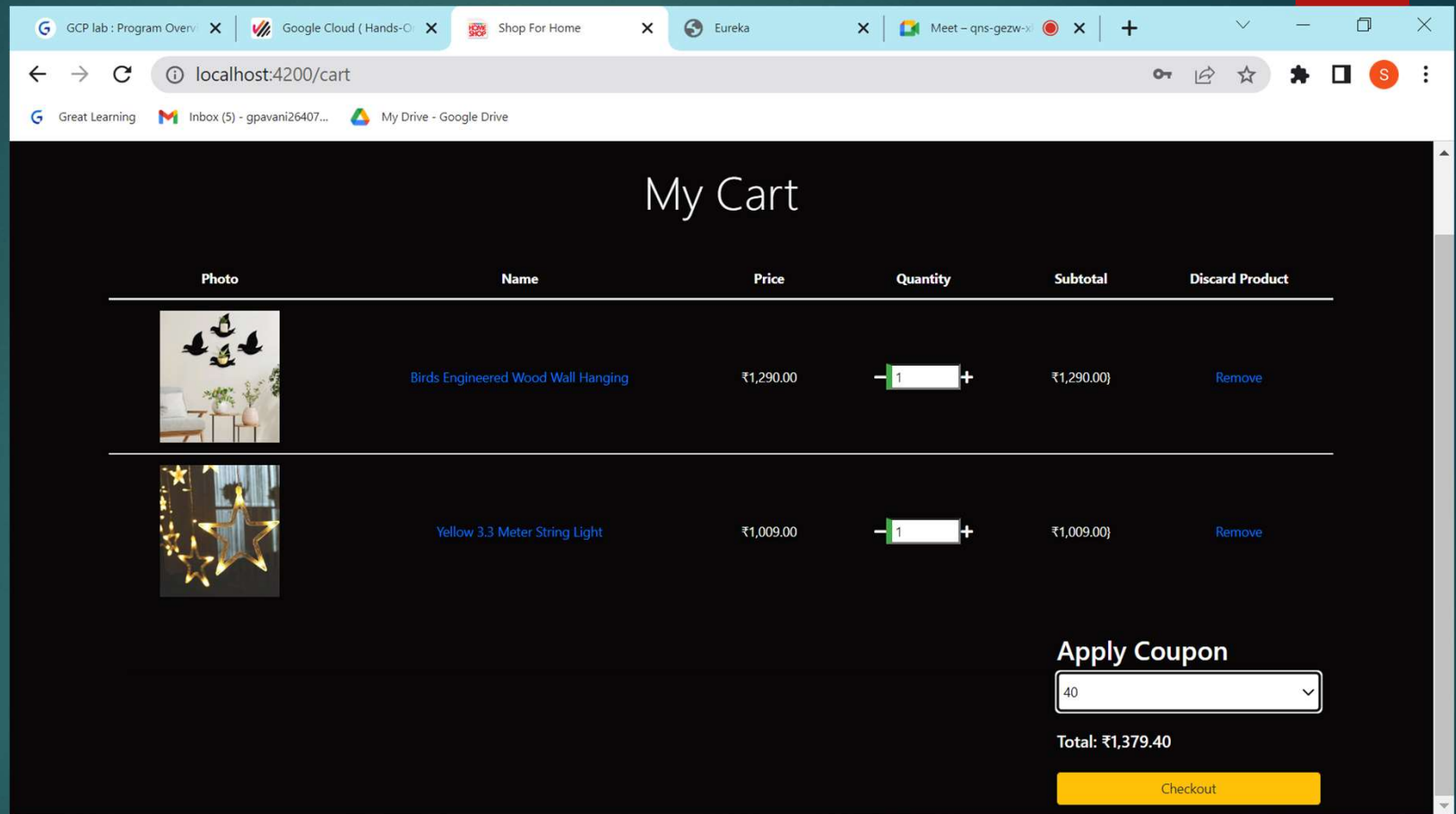
User/ Admin Login: This feature allows the user and admin who have already register to sign-in and explore the app.

Search Functionality:



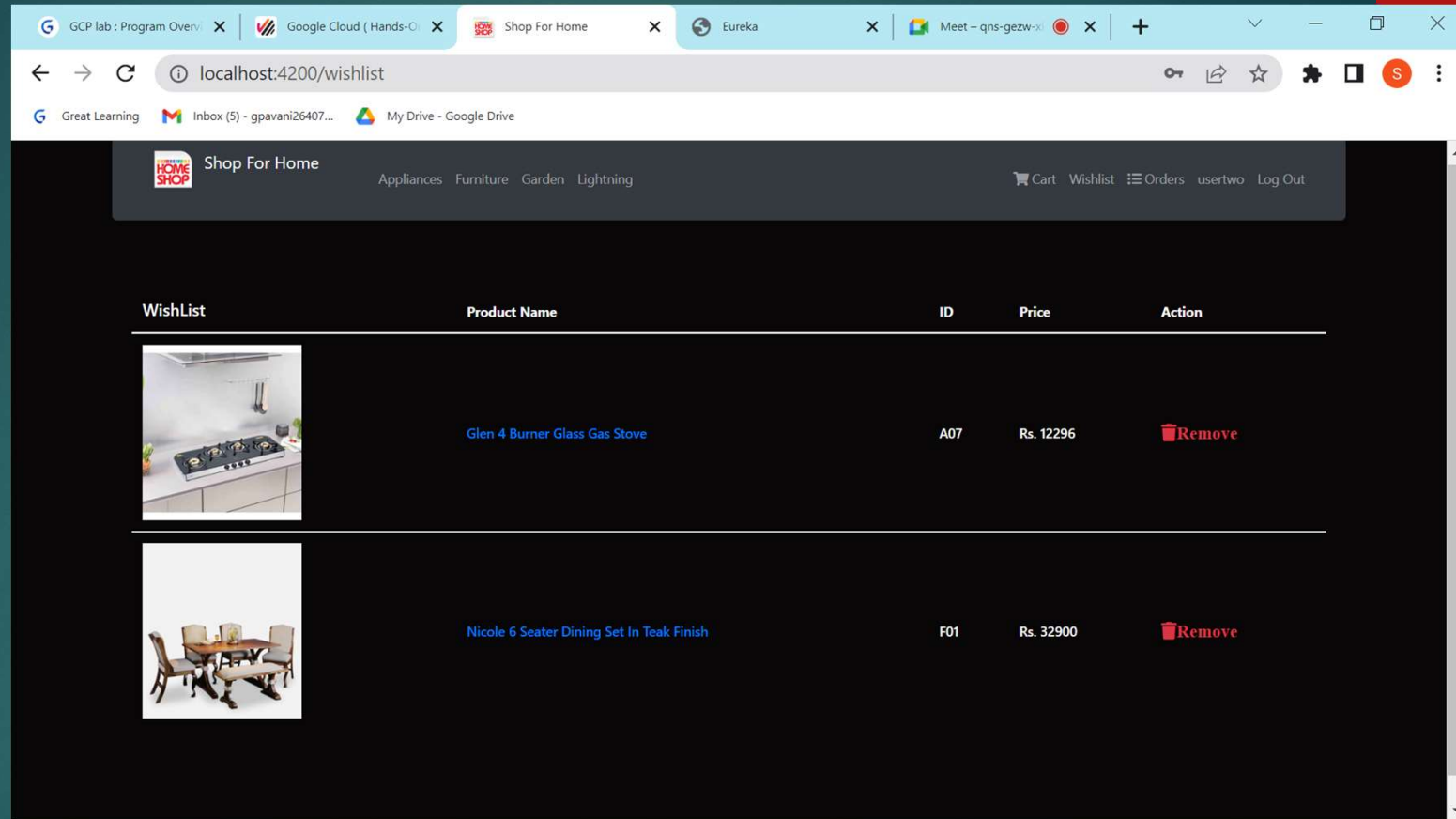
➤ These functionality allows the user to search the product what they required

Cart Page:



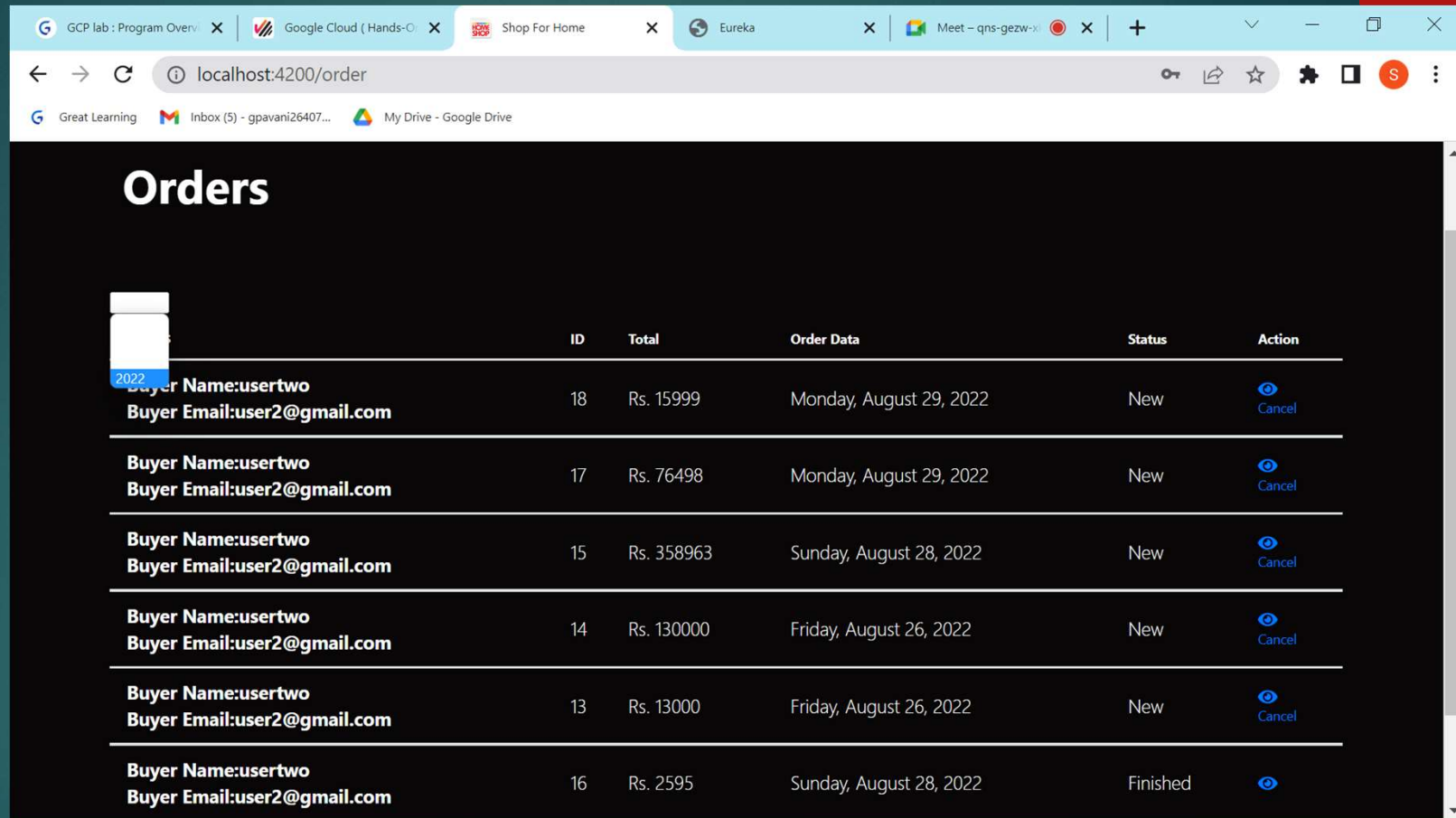
- Cart: This feature allows the user to add 'n' number of products to the cart to buy the desired product.







Wishlist:



- Wishlist is a collection of desired products saved by users

Orders:



	ID	Total	Order Data	Status	Action
Buyer Name:usertwo Buyer Email:user2@gmail.com	18	Rs. 15999	Monday, August 29, 2022	New	 Cancel
Buyer Name:usertwo Buyer Email:user2@gmail.com	17	Rs. 76498	Monday, August 29, 2022	New	 Cancel
Buyer Name:usertwo Buyer Email:user2@gmail.com	15	Rs. 358963	Sunday, August 28, 2022	New	 Cancel
Buyer Name:usertwo Buyer Email:user2@gmail.com	14	Rs. 130000	Friday, August 26, 2022	New	 Cancel
Buyer Name:usertwo Buyer Email:user2@gmail.com	13	Rs. 13000	Friday, August 26, 2022	New	 Cancel
Buyer Name:usertwo Buyer Email:user2@gmail.com	16	Rs. 2595	Sunday, August 28, 2022	Finished	

➤ Here we can see our total orders ordered by users

Discount Page:

Coupons

Add Coupon

40

Select a User to issue coupon

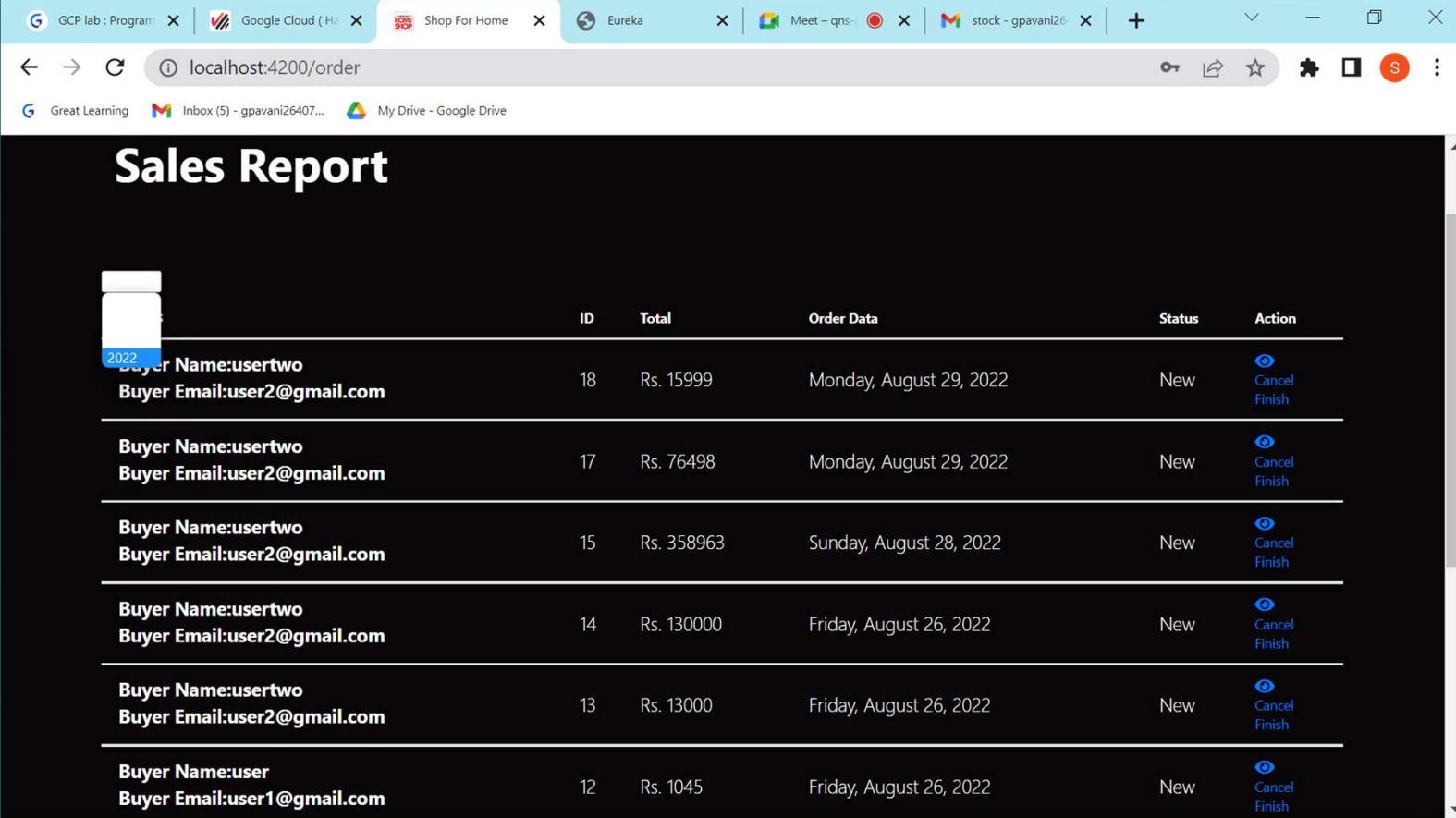
- ☐ admin@gmail.com
- ☐ gpavani26407@gmail.com
- ☐ user1@gmail.com
- ☒ user2@gmail.com
- ☐ user3@gmail.com
- ☐ user4@gmail.com
- ☐ gowri@gmail.com
- ☐ bhuvana@gmail.com
- ☐ uday@gmail.com
- ☐ user5@gmail.com
- ☐ user6@gmail.com
- ☐ user7@gmail.in

Add Coupon

Couponcode	User	Action
40	user2@gmail.com	Delete

- This feature allows the user to see the discount options available and can access the desired discounts.
- Once the discount option is selected, there will be an appropriate reduction in the price of the product.

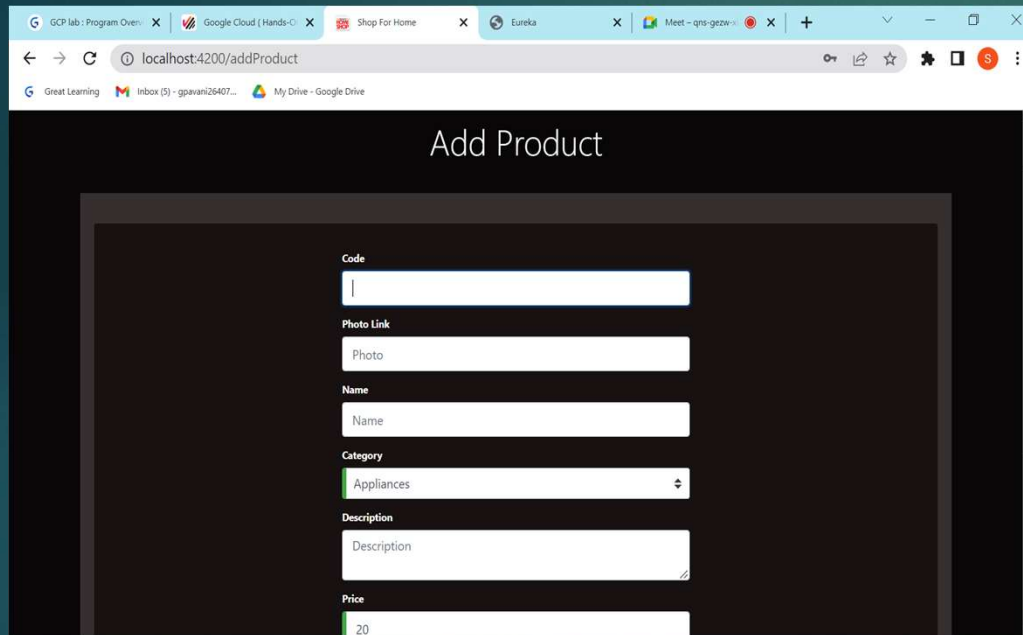
Sales Report:



Buyer Name	Buyer Email	ID	Total	Order Data	Status	Action
Buyer Name:usertwo	Buyer Email:user2@gmail.com	18	Rs. 15999	Monday, August 29, 2022	New	Cancel Finish
Buyer Name:usertwo	Buyer Email:user2@gmail.com	17	Rs. 76498	Monday, August 29, 2022	New	Cancel Finish
Buyer Name:usertwo	Buyer Email:user2@gmail.com	15	Rs. 358963	Sunday, August 28, 2022	New	Cancel Finish
Buyer Name:usertwo	Buyer Email:user2@gmail.com	14	Rs. 130000	Friday, August 26, 2022	New	Cancel Finish
Buyer Name:usertwo	Buyer Email:user2@gmail.com	13	Rs. 13000	Friday, August 26, 2022	New	Cancel Finish
Buyer Name:user	Buyer Email:user1@gmail.com	12	Rs. 1045	Friday, August 26, 2022	New	Cancel Finish

- This feature allows the admin to see the sales report by selecting the desired period of time.
- The sales report contains all the details about the quantity and sales of the stock.

E-Commerce:



localhost:4200/addProduct

Add Product

Code

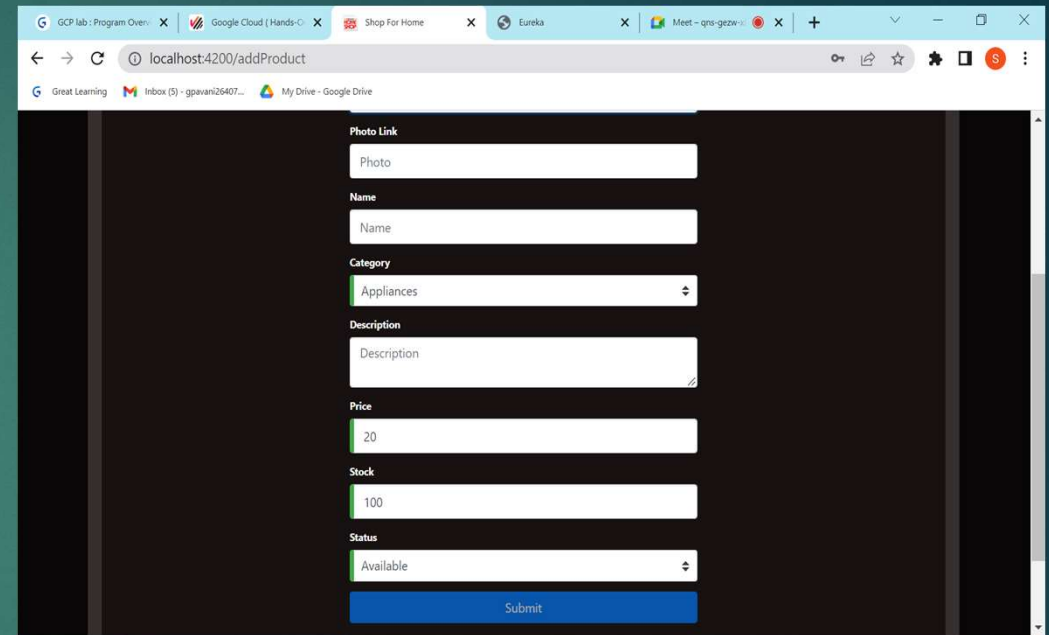
Photo Link

Name

Category
Appliances

Description

Price
20



localhost:4200/addProduct

Photo Link

Name

Category
Appliances

Description

Price
20

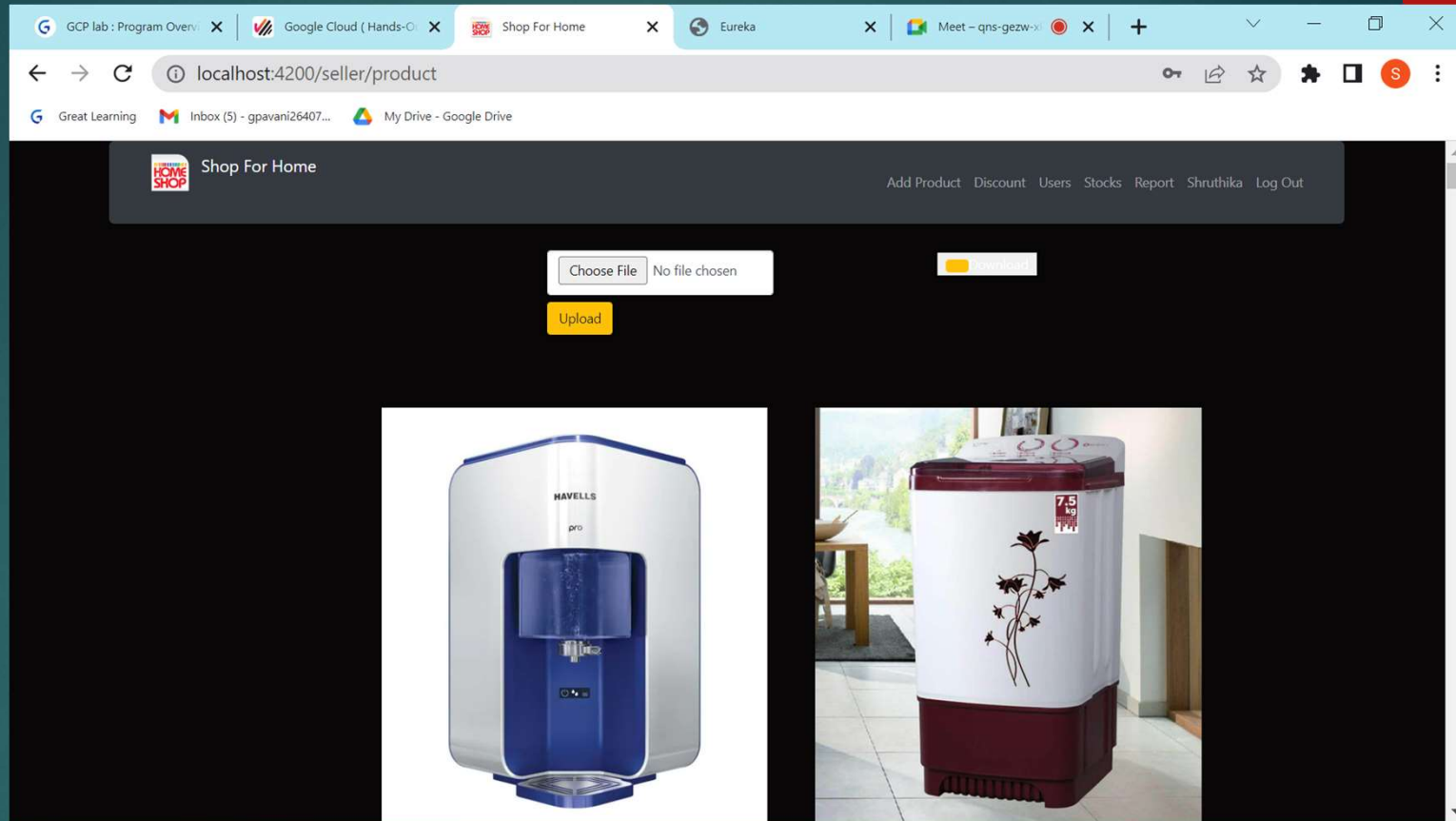
Stock
100

Status
Available

Submit

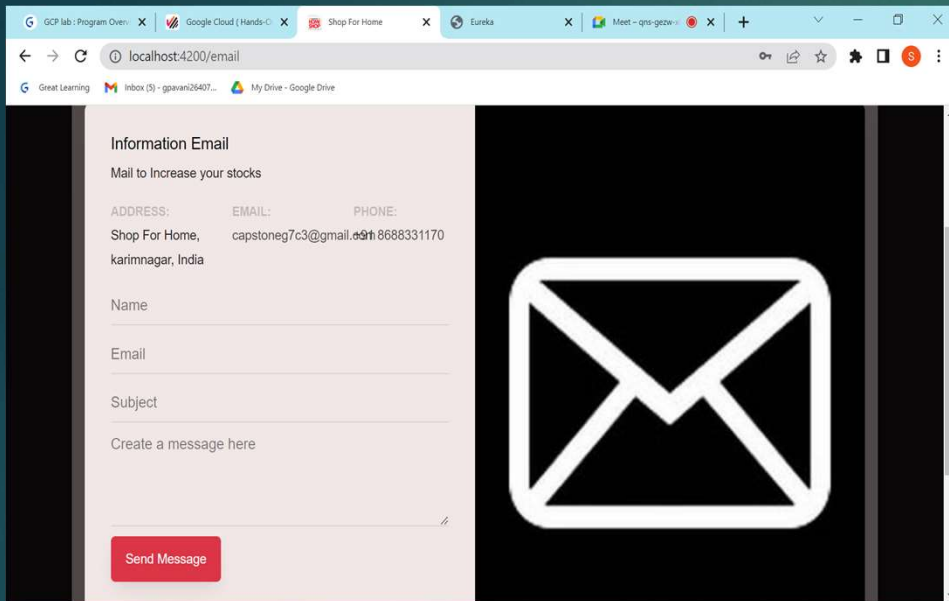
- Here, the admin will be able to add products and update them according to the stock available.
- The admin will add the products to the stock available by providing the details of the product.

Bulk upload:

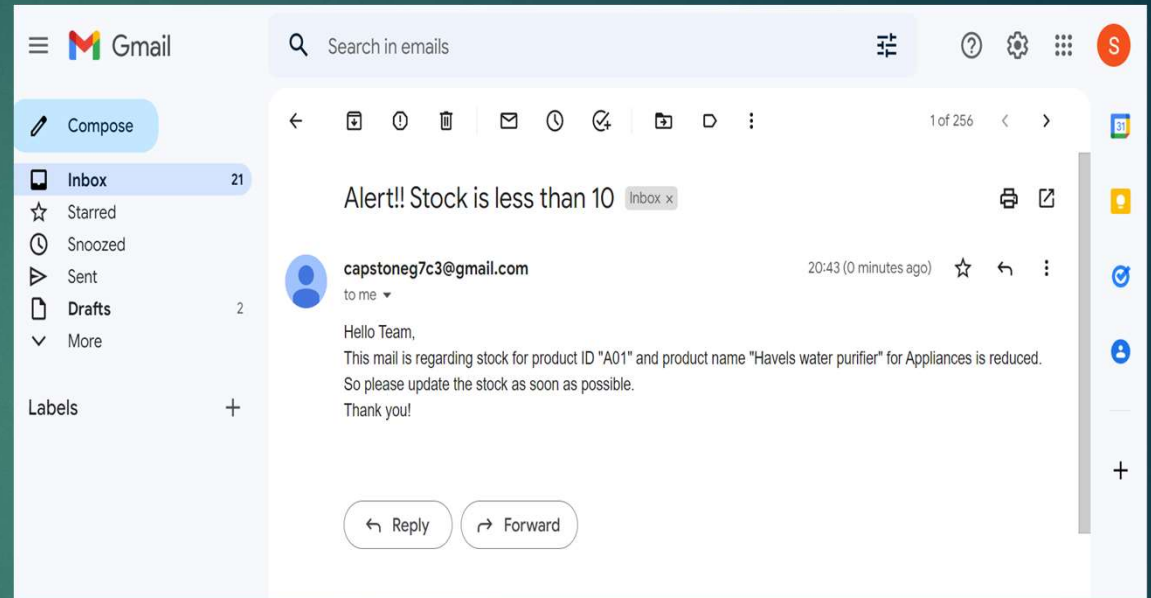


- This feature allows the admin to upload bulk entries of stock at a time.
- Here, the admin will be able to upload a mass number of products simultaneously that will be visible to the user at once it is uploaded.

Mail for update stock:



The screenshot shows a web browser window with the address bar displaying 'localhost:4200/email'. The page has a light pink background. On the left, there is a form titled 'Information Email' with the subtitle 'Mail to Increase your stocks'. The form includes fields for 'ADDRESS:', 'EMAIL:', and 'PHONE:'. The 'EMAIL:' field is pre-filled with 'capstoneg7c3@gmail.com'. Below these fields are sections for 'Name', 'Email', and 'Subject', each with a text input field. At the bottom of the form is a red 'Send Message' button. To the right of the form is a large black square containing a white envelope icon.



- In case stock is less then, users may send mail to the admin for updating stock.
- Then admin add stock based on user requirement

Deployment:

The screenshot displays the Google Cloud Console interface for VM instances. The left sidebar shows the 'Compute Engine' section with 'VM instances' selected. The main panel shows a list of VM instances with one instance, 'capstonec3g7', in a 'Running' state. The right sidebar shows the 'Select an instance' panel with tabs for 'PERMISSIONS', 'LABELS', and 'MONITORING'. Below the instance list, there is a 'Related actions' section with a button for 'Explore Actifio GO'. At the bottom, a terminal window shows the output of a command, indicating that the project has been successfully deployed to the cloud.

VM instances - Compute Engine

console.cloud.google.com/compute/instances?onCreate=true&project=greatlear-1661786541511&cloudshell=true

Google Cloud greatlear-1661786541511

Compute Engine

Virtual machines

- VM instances
- Instance templates
- Sole-tenant nodes
- Machine images
- TPIs
- Marketplace
- Release Notes

VM instances

INSTANCES INSTANCE SCHEDULES

VM instances are highly configurable virtual machines for running workloads on Google infrastructure. [Learn more](#)

Filter Enter property name or value

Status	Name	Zone	Recommendations	In use by	Internal IP	Connect
Running	capstonec3g7	us-west2-a			10.168.0.2 (nic0)	SSH

Related actions

Explore Actifio GO

Select an instance

PERMISSIONS LABELS MONITORING

Please select at least one resource.

CLOUD SHELL

Terminal (greatlear-1661786541511)

18% building modules 70/91 modules 21 active ...s/add-product/add-product.component.cssBrowserslist: caniuse-lite is outdated. Please run next command `npm update caniuse-lite browserslist`

Date: 2022-08-30T16:11:39.425Z
Hash: fd5a2323f01775e45adc
Time: 19547ms

chunk (main) main.js, main.js.map (main) 859 kB [initial] [rendered]
chunk (polyfills) polyfills.js, polyfills.js.map (polyfills) 223 kB [initial] [rendered]
chunk (runtime) runtime.js, runtime.js.map (runtime) 6.08 kB [entry] [rendered]
chunk (scripts) scripts.js, scripts.js.map (scripts) 133 kB [rendered]
chunk (styles) styles.js, styles.js.map (styles) 833 kB [initial] [rendered]
chunk (vendor) vendor.js, vendor.js.map (vendor) 5.42 MB [initial] [rendered]

! [webpack]: Compiled successfully.

Type here to search

29°C Clear 21:42 30-08-2022

➤ Here we can deployment the our project into cloud

```
VM instances - Compute Engine x Shop For Home x +
console.cloud.google.com/compute/instances?onCreate=true&project=greatlear-1661786541511&cloudshell=true

Google Cloud greatlear-1661786541511
Search Products, resources, docs (/)

CLOUD SHELL Terminal (greatlear-1661786541511) x + Open Editor

Welcome to Cloud Shell! Type "help" to get started.
Your Cloud Platform project in this session is set to greatlear-1661786541511.
Use "gcloud config set project [PROJECT_ID]" to change to a different project.
bhuvanewari_1d607f6b_0c0e_4433_@cloudshell:~ (greatlear-1661786541511) $ gcloud config set project greatlear-1661786541511
Updated property (core/project).
bhuvanewari_1d607f6b_0c0e_4433_@cloudshell:~ (greatlear-1661786541511) $ echo $GOOGLE_CLOUD_PROJECT
greatlear-1661786541511
bhuvanewari_1d607f6b_0c0e_4433_@cloudshell:~ (greatlear-1661786541511) $ gcloud config set compute/zone us-west2-a
Updated property (compute/zone).
bhuvanewari_1d607f6b_0c0e_4433_@cloudshell:~ (greatlear-1661786541511) $ git clone https://github.com/bhuvanewari780takura/shopforhome.git
fatal: destination path 'shopforhome' already exists and is not an empty directory.
bhuvanewari_1d607f6b_0c0e_4433_@cloudshell:~ (greatlear-1661786541511) $ ls
hello-world-1 hello-world-2 hello-world-3 README-cloudshell.txt shopforhome
bhuvanewari_1d607f6b_0c0e_4433_@cloudshell:~ (greatlear-1661786541511) $ cd ^C
bhuvanewari_1d607f6b_0c0e_4433_@cloudshell:~ (greatlear-1661786541511) $ cd shopforhome
bhuvanewari_1d607f6b_0c0e_4433_@cloudshell:~/shopforhome (greatlear-1661786541511) $ ls
Capstone_ShopForHome-Frontend C#v_File Bulk Upload.cay Discount-MicroService BarcodeServer MySQL.sql Report-MicroService ShopForHomeC307
bhuvanewari_1d607f6b_0c0e_4433_@cloudshell:~/shopforhome (greatlear-1661786541511) $ cd ^C
bhuvanewari_1d607f6b_0c0e_4433_@cloudshell:~/shopforhome (greatlear-1661786541511) $ cd Capstone_ShopForHome-Frontend
bhuvanewari_1d607f6b_0c0e_4433_@cloudshell:~/shopforhome/Capstone_ShopForHome-Frontend (greatlear-1661786541511) $ node -v
v16.4.0
bhuvanewari_1d607f6b_0c0e_4433_@cloudshell:~/shopforhome/Capstone_ShopForHome-Frontend (greatlear-1661786541511) $ npm -v
8.18.0
bhuvanewari_1d607f6b_0c0e_4433_@cloudshell:~/shopforhome/Capstone_ShopForHome-Frontend (greatlear-1661786541511) $ npm install -g angular/cli
npm WARN deprecated @schematics/update@0.13.10: This was an internal-only Angular package up through Angular v11 which is no longer used or maintained. Upgrade Angular to v12+ to remove this d
dependency.
added 1127 packages, and audited 1128 packages in 3m
3 packages are looking for funding
  run `npm fund` for details
97 vulnerabilities (4 low, 31 moderate, 51 high, 11 critical)
To address issues that do not require attention, run:
  npm audit fix
To address all issues possible (including breaking changes), run:
  npm audit fix --force
Some issues need review, and may require choosing
a different dependency.
Run `npm audit` for details.
bhuvanewari_1d607f6b_0c0e_4433_@cloudshell:~/shopforhome/Capstone_ShopForHome-Frontend (greatlear-1661786541511) $ ng serve
Your global Angular CLI version (14.2.1) is greater than your local version (7.0.10). The local Angular CLI version is used.
To disable this warning use "ng config -g cli.warnings.versionMismatch false".
(node:2334) [DEP0111] DeprecationWarning: Access to process.binding('http_parser') is deprecated.
(Use `node --trace-deprecation ...` to show where the warning was created)
** Angular Live Development Server is listening on localhost:4200, open your browser on http://localhost:4200/ **
181 building modules 70/91 modules 21 active ...s/add-product/add-product.component.cssBrowserslist: caniuse-lite is outdated. Please run next command `npm update caniuse-lite browserslist`

Date: 2022-08-30T16:11:39.425Z
Hash: fd5a2323f01775e45adc
Time: 19547ms
chunk (main) main.js, main.js.map (main) 859 kB [initial] [rendered]
chunk (polyfills) polyfills.js, polyfills.js.map (polyfills) 223 kB [initial] [rendered]
chunk (runtime) runtime.js, runtime.js.map (runtime) 6.08 kB [entry] [rendered]
chunk (scripts) scripts.js, scripts.js.map (scripts) 133 kB [rendered]
chunk (styles) styles.js, styles.js.map (styles) 839 kB [initial] [rendered]
chunk (vendor) vendor.js, vendor.js.map (vendor) 5.42 MB [initial] [rendered]
[...]: Compiled successfully.
[...]
```

```
VM instances - Compute Engine x Shop For Home x +
console.cloud.google.com/compute/instances?onCreate=true&project=greatlear-1661786541511&cloudshell=true

Google Cloud greatlear-1661786541511
Search Products, resources, docs (/)

CLOUD SHELL Terminal (greatlear-1661786541511) x + Open Editor

npm WARN deprecated @schematics/update@0.13.10: This was an internal-only Angular package up through Angular v11 which is no longer used or maintained. Upgrade Angular to v12+ to remove this d
dependency.
added 1127 packages, and audited 1128 packages in 3m
3 packages are looking for funding
  run `npm fund` for details
97 vulnerabilities (4 low, 31 moderate, 51 high, 11 critical)
To address issues that do not require attention, run:
  npm audit fix
To address all issues possible (including breaking changes), run:
  npm audit fix --force
Some issues need review, and may require choosing
a different dependency.
Run `npm audit` for details.
bhuvanewari_1d607f6b_0c0e_4433_@cloudshell:~/shopforhome/Capstone_ShopForHome-Frontend (greatlear-1661786541511) $ ng serve
Your global Angular CLI version (14.2.1) is greater than your local version (7.0.10). The local Angular CLI version is used.
To disable this warning use "ng config -g cli.warnings.versionMismatch false".
(node:2334) [DEP0111] DeprecationWarning: Access to process.binding('http_parser') is deprecated.
(Use `node --trace-deprecation ...` to show where the warning was created)
** Angular Live Development Server is listening on localhost:4200, open your browser on http://localhost:4200/ **
181 building modules 70/91 modules 21 active ...s/add-product/add-product.component.cssBrowserslist: caniuse-lite is outdated. Please run next command `npm update caniuse-lite browserslist`

Date: 2022-08-30T16:11:39.425Z
Hash: fd5a2323f01775e45adc
Time: 19547ms
chunk (main) main.js, main.js.map (main) 859 kB [initial] [rendered]
chunk (polyfills) polyfills.js, polyfills.js.map (polyfills) 223 kB [initial] [rendered]
chunk (runtime) runtime.js, runtime.js.map (runtime) 6.08 kB [entry] [rendered]
chunk (scripts) scripts.js, scripts.js.map (scripts) 133 kB [rendered]
chunk (styles) styles.js, styles.js.map (styles) 839 kB [initial] [rendered]
chunk (vendor) vendor.js, vendor.js.map (vendor) 5.42 MB [initial] [rendered]
[...]: Compiled successfully.
[...]
```

Conclusion

As per the given instructions the user stories, admin stories are developed and we have met the mentioned objectives of sprint 1 and sprint 2 to provide the final completed work.

