



A project report on:

SHOP FOR HOME

Submitted in for partial fulfillment of the requirements for the
opportunity of Wipro:

JAVA & AWS CIII GROUP-13

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Great Learning-Wipro Training

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ABSTRACT

Electronic Commerce is process of doing business through computer network. E-commerce is fast gaining ground as an accepted and used business paradigm. More and more business houses are implementing websites providing functionality for performing commercial transactions over the web. It is reasonable to say that the process of shopping on the web is becoming common place.

This project is a web based shopping system for an existing shop. The project objective is to deliver the online shopping application into android platform using an android device. Thus the customer will get the service of online shopping and home delivery from his favorite shop.

The objective of this project is to develop an e-commerce toy store where productshome décor items like sofas, chairs, furniture, etc. can be bought from the comfort of home through the Internet. An online store is a virtual store on the Internet where customers can browse the catalog and select products of interest. The selected items may be collected in a shopping cart. At checkout time, the items in the shopping cart will be presented as an order.

ACKNOWLEDGEMENTS

We are profoundly grateful to MR.NEERAJ KUMAR KHERIA expert guidance and encouragement throughout the project. We would like to extend our sincere thanks to our institution for providing us with this opportunity. We are highly indebted to our guide for his guidance and constant supervision as well as for providing necessary information regarding the project and also for his support in completing the project. The work is a team effort without which the completion of this project was not possible.

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1.0 INTRODUCTION:

ShopForHome is 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. The overall idea behind this project is to allow users to buy home decor products online.

The application aims to provide a shopping system for users where the user can sign in, sign up, and search all the home decor items available in the application. The user can add favorite items to the wish list and can add items to the cart by clicking on the get it button available.

In this way ShopforHome app enables users to purchase home decor items like chairs, mirrors, clocks, sofas, etc. with a single click.

Admin, on the other hand, can login, log out, and register into the application. Along with this admin will be able to upload the products in bulk amounts.

2.0 PROJECT OBJECTIVE:

ShopForHome is a popular Store in the market for shopping home decor stuff. Due to Covid 19, all offline shopping stopped. So, the store wants to move to the cloud platforms and wants its own web application.

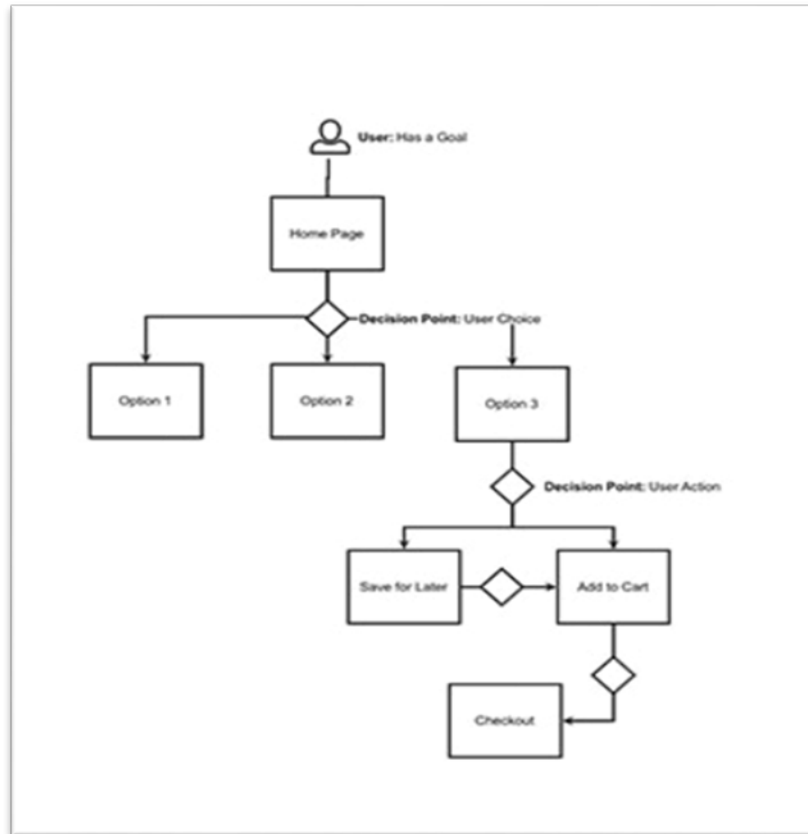
3.0 STUDY OF THE SYSTEM:

The major objective of this ShopForHome application was to provide a platform for users to buy home décor products from the website. The application consists of two types of users –

- **ADMIN** – An admin can log in to the application using a username and password. On successful login, the user will be redirected to the admin dashboard where the user will see an overall view of the application which includes all products and a list of products to shop for. Admin is able to log in, Logout, and Register into the application. Admin is able to perform CRUD on Users. Admin is able to perform CRUD on the products. Admin is able to get bulk upload option to upload a csv for product details. Admin is able to get the stocks. Admin is able to mail if any stock is less than 10. Admin is able to get the sales report of a specific duration. Admin is able to set the discount coupons for a specific set of users.
- **USER** – Users can register themselves on the platform by signup from the registration page. For registration, the user will need to provide the username, email address, password, phone number, and address. The user is able to log in, Logout, and Register into the application. User is able to see the products in different categories. The user is able to sort the products. The user is able to add the products to the shopping cart. The user is able to increase or decrease the quantity added to the cart. The user is able to add “n” number of products in the cart. The user is able to get the Wishlist option where I can add those products which I want but don’t want to order now. Users can get different discount coupons.

4.0 Project Detail:

1. Attach the database in your "SQL Server Management Studio Express".
2. Run the application on Microsoft Visual Studio as web site.
3. Locate the database.



4.1 Project Detail

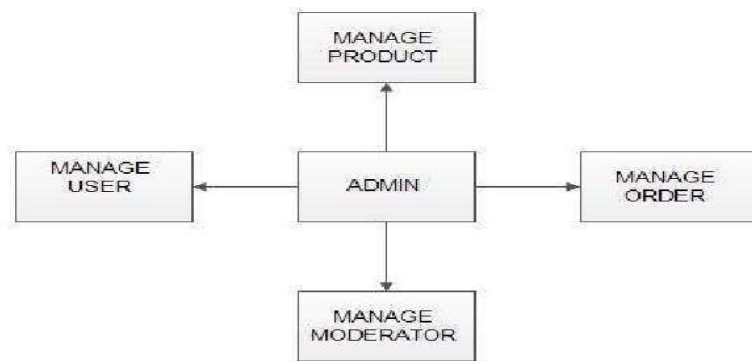
5.0 Web Pages details:

Home Page
Sign Up Page
Login Page
Products Page
Sales and reports page
Wish-list page
Cart page

6.0 MODULES:

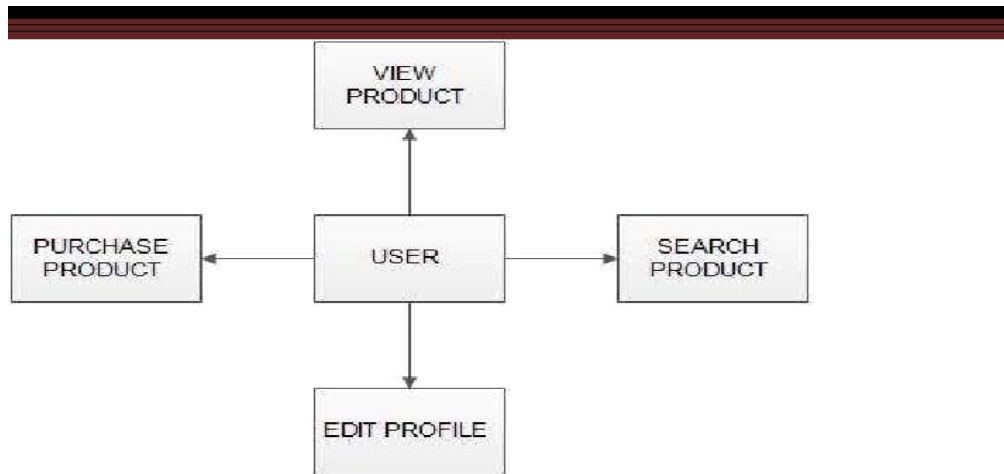
1. Admin
2. User

6.1 ADMIN MODULE:



- Admin Login
 - This feature helps the admin to login to system. An admin must login with his user name and password to the system after registration. If they are invalid, the user not allowed to enter the system.
- Crud Operations
 - Admin is able to perform different Curd operations on User and Products.
- Bulk Upload
 - This feature help admin to upload the products in the bulk amount.
- Stocks
 - Admin gets the products in the stock and mail if any stock is less than 10.
- Sales and reports
 - Admin gets the sales report of particular duration.
- Discount coupons
 - Admin sets the discount coupons for the specific set of users.

6.2 USER MODULE:

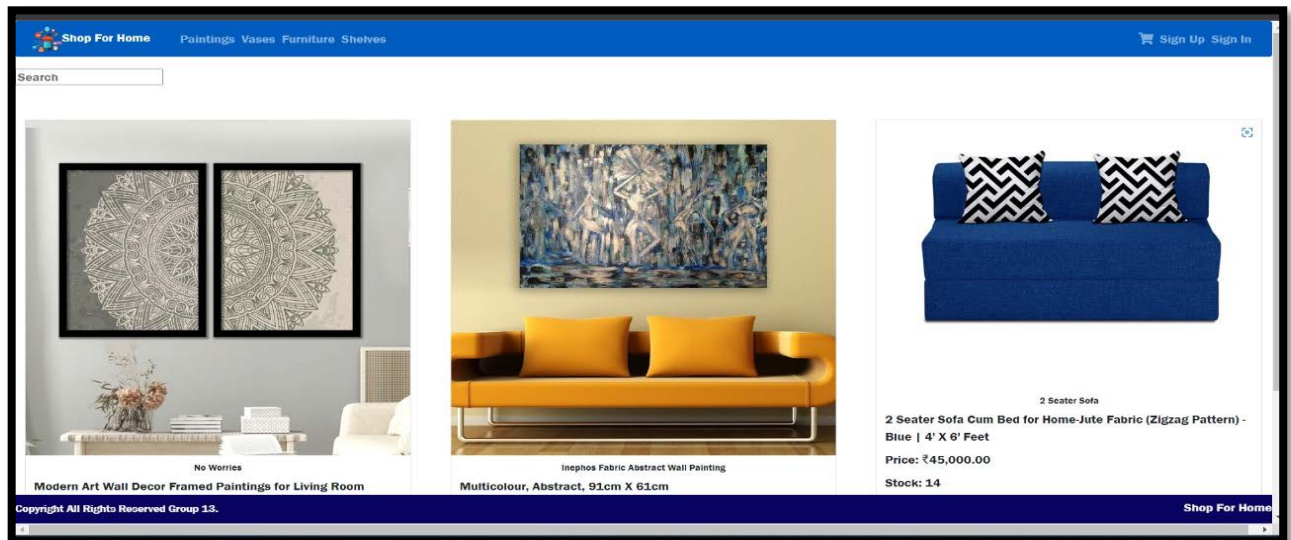


- User Login
 - This feature helps the user to login to system. A user must login with his user name and password to the system after registration. If they are invalid, the user is not allowed to enter the system.
- Cart
 - This feature helps the user to add the products into the shopping cart and user can increase or decrease the quantity added in the cart. User is able to add “n” number of products in the cart.
- Product List
 - This feature helps the user to see the products in different categories.
- Wish-list
 - This feature helps the user add the products to the wish list which the user doesn't want to order at that particular time.
- Discount Coupon
 - User can get different discount coupons.

7.0 RESULTS

HOME PAGE:

The Home Screen will consist of screen where one can Login Into the application.



SIGNUP PAGE:

User is able to register into the Application

The screenshot displays the 'Sign Up' page of the 'Shop For Home' application. The page has a white background with a blue header bar containing the logo and navigation links. The title 'Sign Up' is centered at the top. The form fields are arranged vertically: 1. 'Email Login:' with a text input field and a red error message 'Email is required.' 2. 'Name:' with a text input field and a placeholder 'Your name'. 3. 'Set Password:' with a text input field and a red error message 'Password is required.' 4. 'Address:' with a text input field and a placeholder 'Address'. 5. 'Telephone/Mobile Contact:' with a text input field and a placeholder 'Phone'. A green 'Sign Up!' button is located at the bottom of the form. The footer contains the copyright notice 'Copyright All Rights Reserved Group 13.' and the 'Shop For Home' logo.

LOGIN PAGE:

User is able to login and logout into the Application

Shop For Home Paintings Vases Furniture Shelves Sign Up Sign In

Sign In

You have been logged out.

Enter Email address
Niharika2eshop.com

Enter Password(Case Sensitive)
...

Sign Up Today!

Sign In

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PRODUCT LIST:

User is able to see the products in different categories

Shop For Home Discount Users Stocks Orders Atishay Jain Sign Out

Products

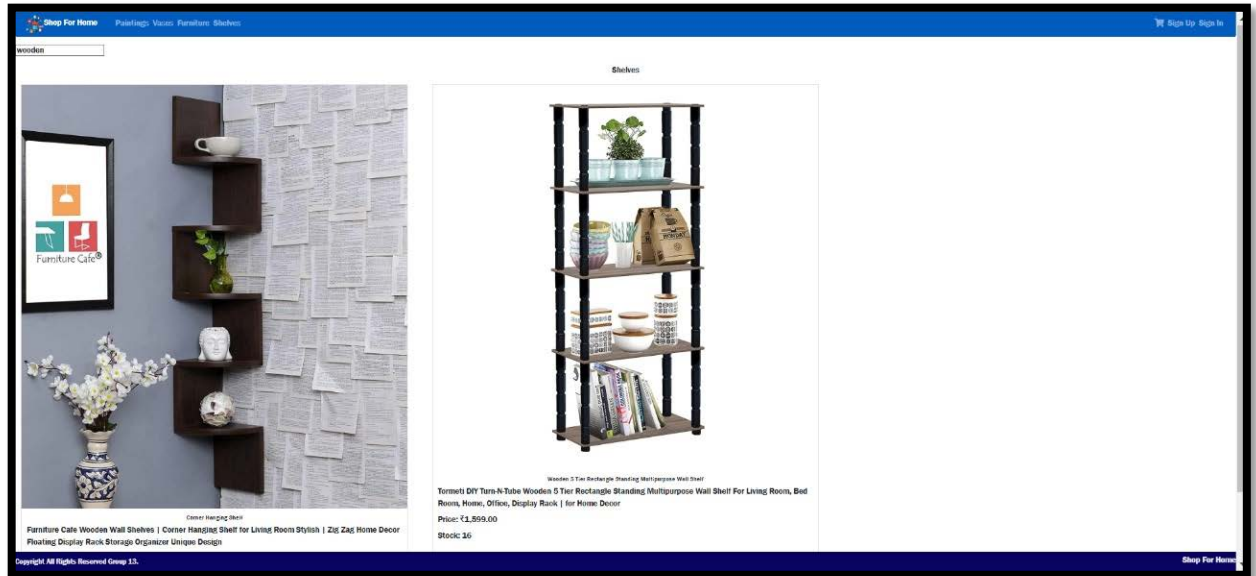
Choose File No file chosen

Photo	Code	Name	Type	Description	Price	Stock	Status	Action	Mail
	AF001	No Worries	Paintings	Modern Art Wall Decor Framed Paintings for Living Room Bedroom - Framed Wall Posters / Paintings with Frame - Wall Paintings / Hangings - Mandala Theme (13Inch x 17Inch, Multicolor) Set of 2	₹599.00	2	Available	Edit	mail
	B0002	Inephos Fabric Abstract Wall Painting	Paintings	Multicolour, Abstract, 91cm X 61cm	₹490.00	9	Available	Edit	mail
	F001	2 Seater Sofa	Furniture	2 Seater Sofa Cum Bed for Home-Jute Fabric (Zigzag Pattern) - Blue 4' X 6' Feet	₹45,000.00	14	Available	Edit	mail
	F002	Wooden Leg 3 Seater Sofa	Furniture	Wooden Leg 3 Seater Sofa Cum Bed for Home & Office (Fabric, Grey-Color)	₹50,000.00	8	Available	Edit	mail
	F003	FURNESHO Solid Sheesham Wood 4 Seater	Furniture	FURNESHO Solid Sheesham Wood 4 Seater L Shape Sofa Set for Storage for Living Room Bedroom Home Office Hotel Wooden L Shape 4 Seater Sofa Set with Cushions	₹65,000.00	7	Available	Edit	mail

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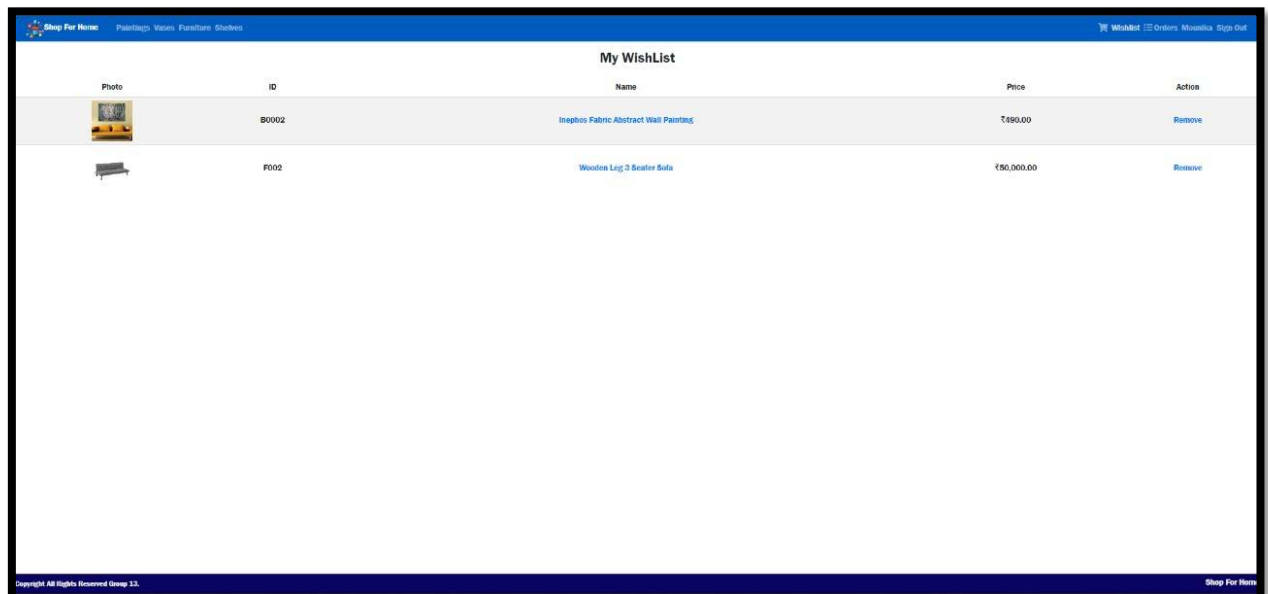
SEARCH

User can search different product items



WISHLIST:

- User is be able to get the Wish-list option to add those products which they butdon't want to order now.



DISCOUNT COUPONS:

User is able to get different discount coupons.

Shop For Home

Discount Users Stocks Orders Atishay Jain Sign Out

Search

Search

Enter coupon code

Add Coupon

Couponcode	Action
Fiat10	<div>delete</div>
freeDelivery	<div>delete</div>
FreedomSale	<div>delete</div>
Independancesale	<div>delete</div>
RakhiSaleDhamaka	<div>delete</div>

Previous

1

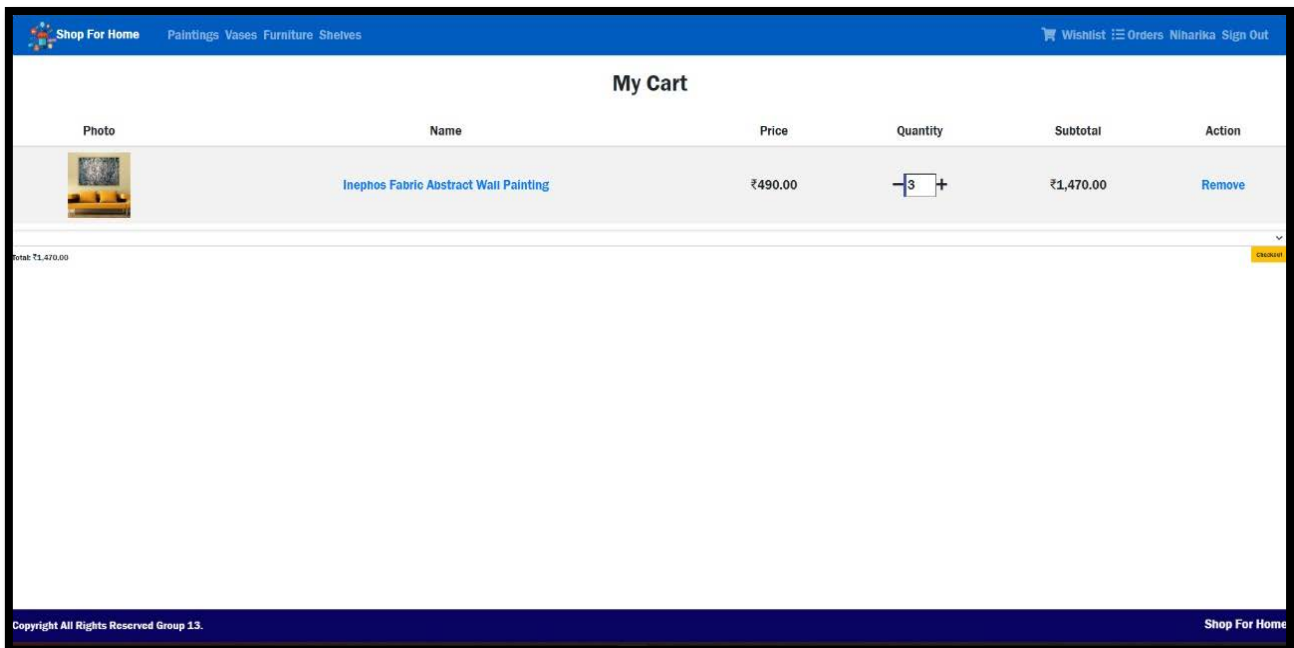
Next

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Shop For Home

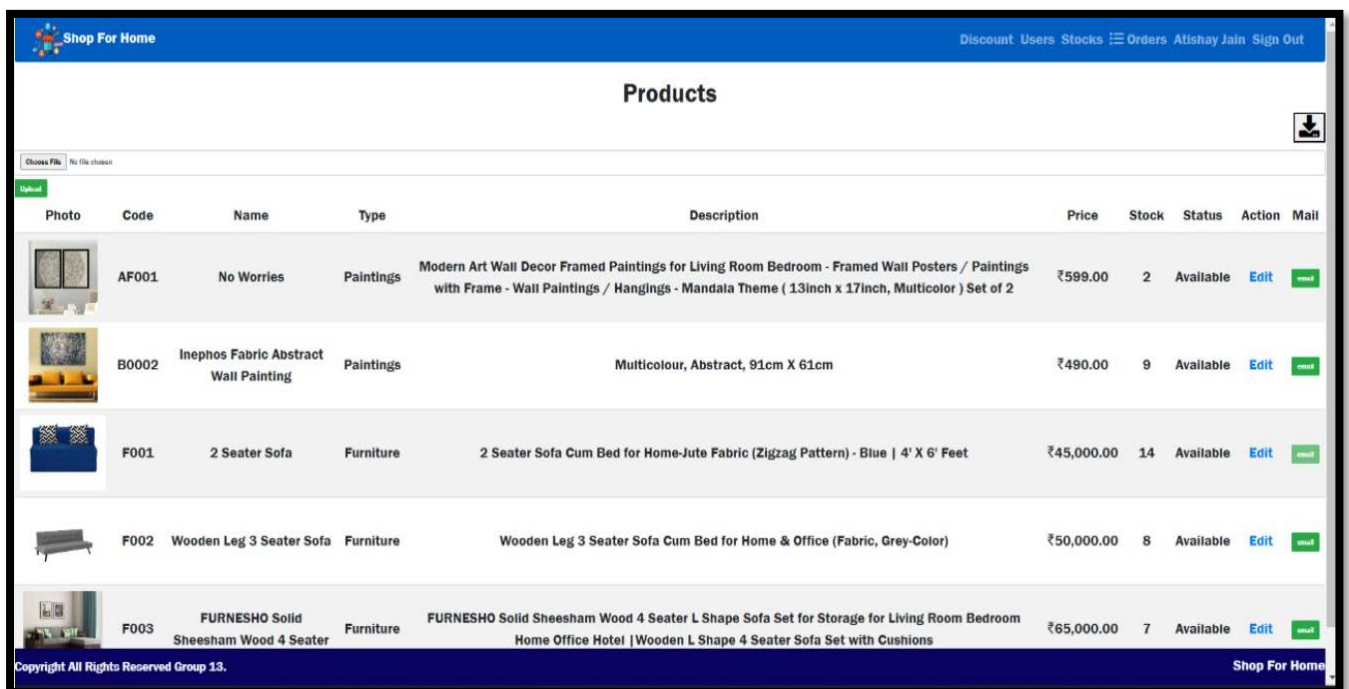
CART OPTION:

User is able to add the products into the shopping, to increase or decrease the quantity added in the cart and to add “n” number of products in to the cart.



STOCK AND SALES REPORT:

Admin is able to get the sales report of a specific duration.



DEPLOYING EC2 INSTANCES:

Launch Templates

The screenshot shows the AWS Management Console interface for Launch Templates. The left sidebar contains navigation options like EC2 Dashboard, Events, Tags, Limits, Instances, Images, and Elastic Block Store. The main content area displays 'Launch templates (1/1)' with a table listing the 'capstone2' template. Below the table, the 'Launch template details' section shows the template's ID, name, version, and owner.

Launch template ID	Launch template name	Default version	Latest version
lt-09e5200ac3c37d931	capstone2	1	1

Launch template details

Launch template ID	Launch template name	Default version	Owner
lt-09e5200ac3c37d931	capstone2	1	arn:aws:sts:402761236841:federated-user/greatlearningco1659582745647

Auto Scaling Group

The screenshot shows the AWS Management Console interface for Auto Scaling Groups. The left sidebar contains navigation options like Images, Elastic Block Store, Network & Security, Load Balancing, and Auto Scaling. The main content area displays 'Auto Scaling groups (1/1)' with a table listing the 'myapplicationcap' group. Below the table, the 'Group details' section shows the group's name, desired capacity, and other configuration details.

Name	Launch template/configuration	Instances	Status	Desired capacity	Min	Max	Availability zones
myapplicationcap	capstone2 Version Latest	1	-	1	1	2	us-east-1a

Group details

Desired capacity	Auto Scaling group name
1	myapplicationcap

EC2 Instances

The screenshot displays the AWS Management Console for the 'us-east-1' region. The 'Instances' page is active, showing a list of EC2 instances. The table below summarizes the visible instances:

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP	IP
	i-0173f52394750b928	t2.micro	us-east-1d	terminated	2/2 checks ...	None			
cap	i-07add5aefe015f7fc	t2.micro	us-east-1c	running	2/2 checks ...	None	ec2-35-174-165-78.co...	35.174.165.78	-
	i-0a740e90252763c5	t2.micro	us-east-1e	running	2/2 checks ...	None	ec2-52-87-28-157.co...	52.87.28.157	-
	i-0aa388371ea92a238	t2.micro	us-east-1d	terminated	2/2 checks ...	None			-
capstone	i-0afc611bc11aa2a2	t2.micro	us-east-1e	terminated	2/2 checks ...	None			-
	i-0be52e1e4eacebbcc	t2.micro	us-east-1d	running	2/2 checks ...	None	ec2-54-174-23-18.co...	54.174.23.18	-

The details for the instance 'cap' (ID: i-07add5aefe015f7fc) are shown below the table:

- Instance ID: i-07add5aefe015f7fc
- Instance state: running
- Instance type: t2.micro
- Public DNS (IPv4): ec2-35-174-165-78.compute-1.amazonaws.com
- IPv4 Public IP: 35.174.165.78
- IPv6 IPs: -
- Elastic IPs: -

Target Group:

The screenshot displays the AWS Management Console for the 'us-east-1' region, specifically the 'Elastic Load Balancing' page. The 'myTG' target group is selected, showing its configuration details.

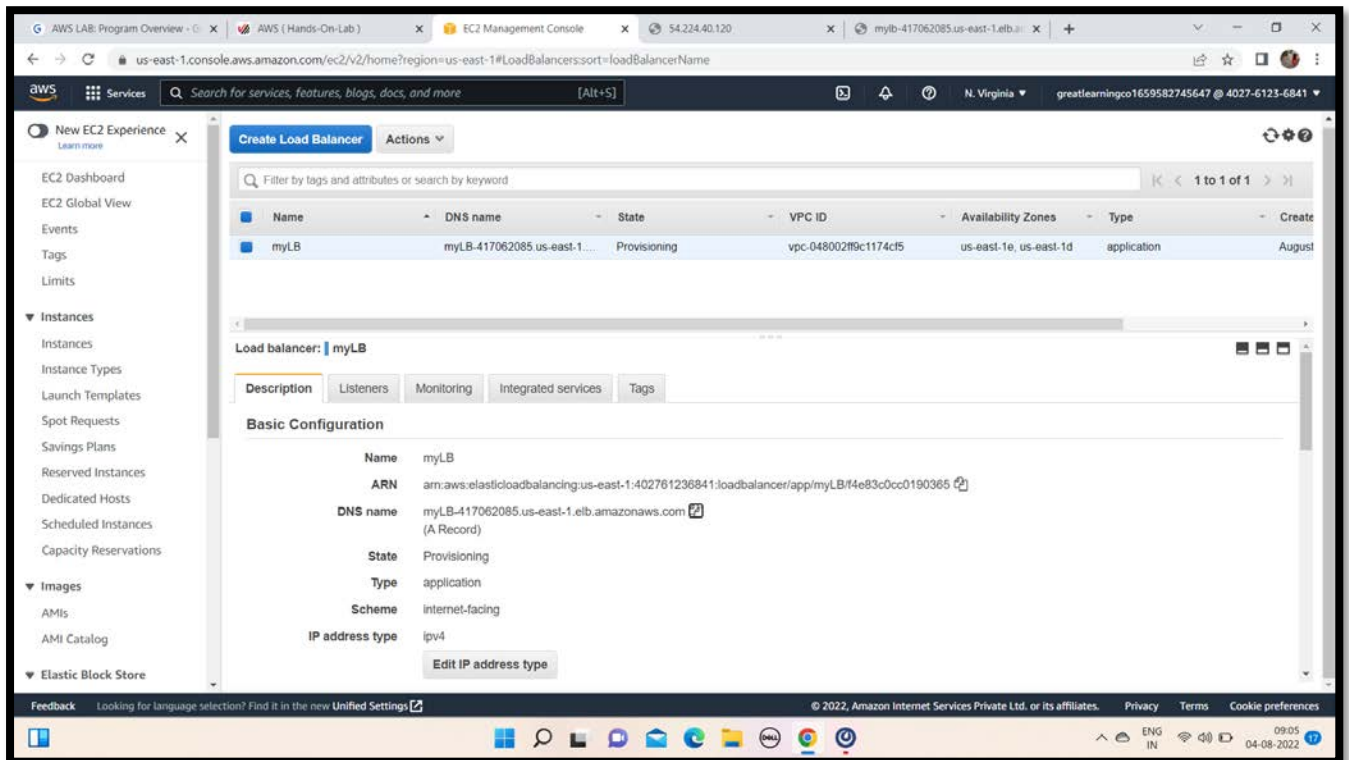
Target group: myTG

Description

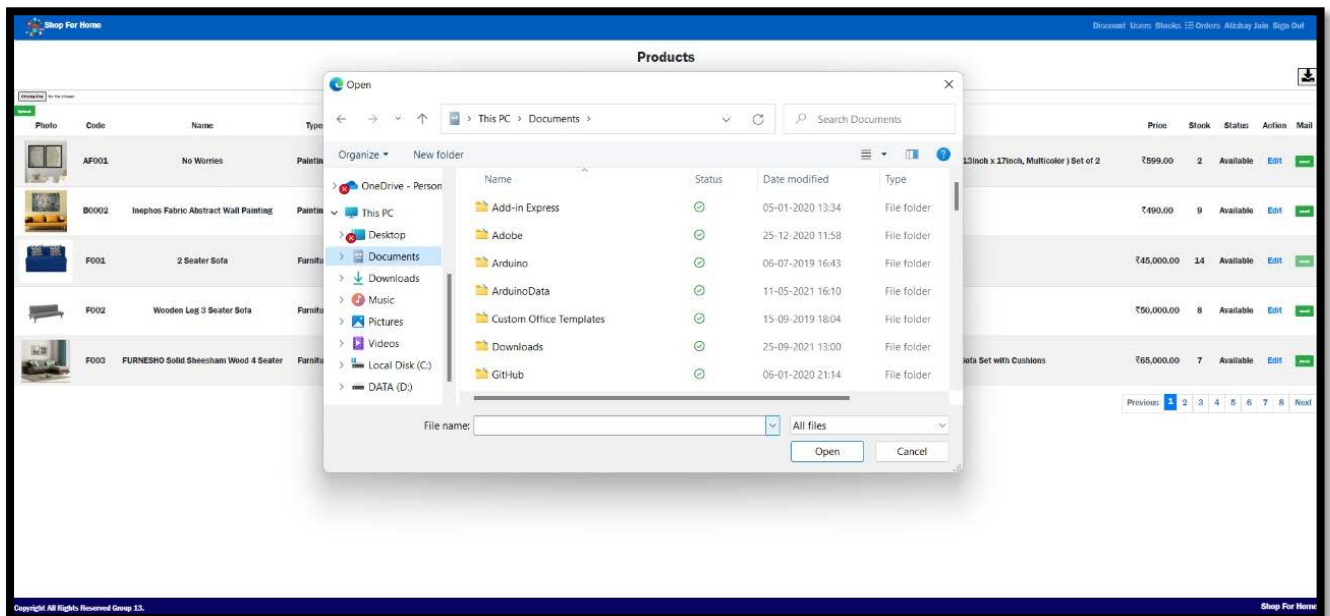
Basic Configuration

Property	Value
Name	myTG
ARN	arn:aws:elasticloadbalancing:us-east-1:402761236841:targetgroup/myTG/ddfd984ab5983ac0
Protocol	HTTP
Port	80

Load Balancer:




Bulk Upload:



Starting the Application shop-for-home-1.0.0.jar:

```
Select ubuntu@ip-172-31-43-220: ~  
update-alternatives: using /usr/lib/jvm/java-11-openjdk-amd64/bin/serialver to provide /usr/bin/serialver (serialver) in auto mode  
update-alternatives: using /usr/lib/jvm/java-11-openjdk-amd64/bin/jaotc to provide /usr/bin/jaotc (jaotc) in auto mode  
update-alternatives: using /usr/lib/jvm/java-11-openjdk-amd64/bin/jhsdb to provide /usr/bin/jhsdb (jhsdb) in auto mode  
Setting up openjdk-11-jdk:amd64 (11.0.15+10-Ubuntu0.22.04.1) ...  
update-alternatives: using /usr/lib/jvm/java-11-openjdk-amd64/bin/jconsole to provide /usr/bin/jconsole (jconsole) in auto mode  
icanning processes...  
icanning linux images...  
  
lunning kernel seems to be up-to-date.  
  
to services need to be restarted.  
  
to containers need to be restarted.  
  
to user sessions are running outdated binaries.  
  
to VM guests are running outdated hypervisor (qemu) binaries on this host.  
ubuntu@ip-172-31-43-220:~$ java -version  
openjdk version "11.0.15" 2022-04-19  
OpenJDK Runtime Environment (build 11.0.15+10-Ubuntu-0ubuntu0.22.04.1)  
OpenJDK 64-Bit Server VM (build 11.0.15+10-Ubuntu-0ubuntu0.22.04.1, mixed mode, sharing)  
ubuntu@ip-172-31-43-220:~$ cd ubuntu/home  
bash: cd: ubuntu/home: No such file or directory  
ubuntu@ip-172-31-43-220:~$ cd home/ubuntu  
bash: cd: home/ubuntu: No such file or directory  
ubuntu@ip-172-31-43-220:~$ java -jar  
cache/.ssh/  
ubuntu@ip-172-31-43-220:~$ java -jar shop-for-home-1.0.0.jar  
cache/.ssh/ shop-for-home-1.0.0.jar  
ubuntu@ip-172-31-43-220:~$ java -jar shop-for-home-1.0.0.jar
```



```
:: Spring Boot ::  
(v2.7.1)  
  
[02:07:12 13:14:09.588 INFO] 5138 --- [main] c.l.shopforhome.ShopForHomeApplication : Starting ShopForHomeApplication v1.0.0 using Java 11.0.15 on ip-172-31-43-220 with PID 5138 (/home/ubuntu/shop-for-home-1.0.0.jar started by ubuntu in /home/ubuntu)  
[02:07:12 13:14:09.596 INFO] 5138 --- [main] c.l.shopforhome.ShopForHomeApplication : No active profile set, falling back to 1 default profile: "default"  
[02:07:12 13:14:11.691 INFO] 5138 --- [main] s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring Data JPA repositories in DEFAULT mode.  
[02:07:12 13:14:11.895 INFO] 5138 --- [main] s.d.r.c.RepositoryConfigurationDelegate : Finished Spring Data repository scanning in 183 ms. Found 8 JPA repository interfaces.  
[02:07:12 13:14:13.601 INFO] 5138 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 8080 (http)  
[02:07:12 13:14:13.626 INFO] 5138 --- [main] o.apache.catalina.core.StandardService : Starting service [Tomcat]  
[02:07:12 13:14:13.627 INFO] 5138 --- [main] org.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/9.0.64]  
[02:07:12 13:14:13.847 INFO] 5138 --- [main] m.o.a.c.c.C.[Tomcat].[localhost].[/api] : Initializing Spring embedded WebApplicationContext  
[02:07:12 13:14:13.847 INFO] 5138 --- [main] m.s.v.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 4130 ms  
[02:07:12 13:14:14.397 INFO] 5138 --- [main] o.hibernate.jpa.internal.util.LogHelper : HHH000204: Processing PersistenceUnitInfo [name: default]
```

CONCLUSION:

Under the fruitful guidance of Mr. Neeraj Kumar Kheria sir we have learnt all the technologies which are needed to understand and deploy front end and back end both, this particular project is a product of all the knowledge we have gained under this training and guidance