



A project report on

SHOPFORHOME

Submitted in partial fulfillment of the requirements for the internship of
Wipro

JAVA & AWS C1 GROUP-7

By

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Great Learning

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ABSTRACT

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 commonplace.

The objective of this project is to develop an e-commerce toy store where products home décor items like sofas, chairs, mirrors, etc can be bought from the comfort of home through the Internet. However, for implementation purposes, this paper will deal with online shopping for toys.

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 minus 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 wishlist 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.

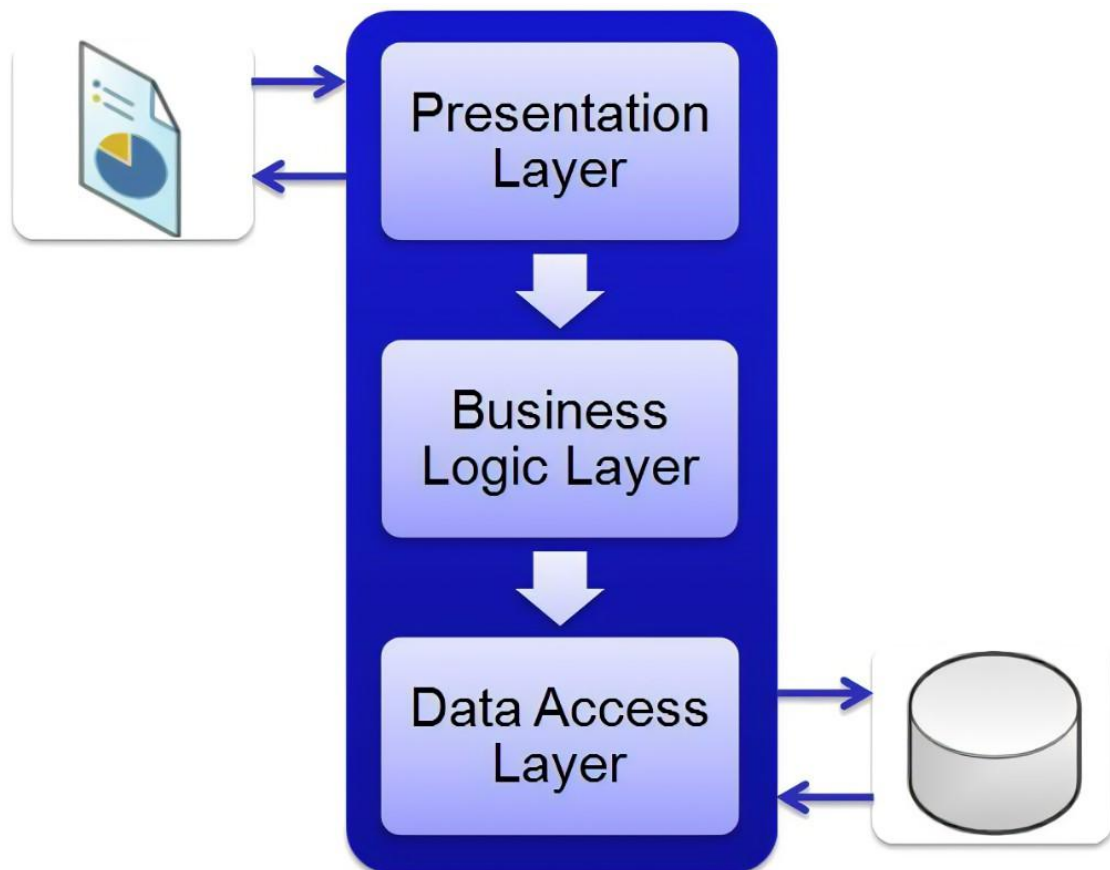
3.0 STUDY OF THE SYSTEM:

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 – A 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

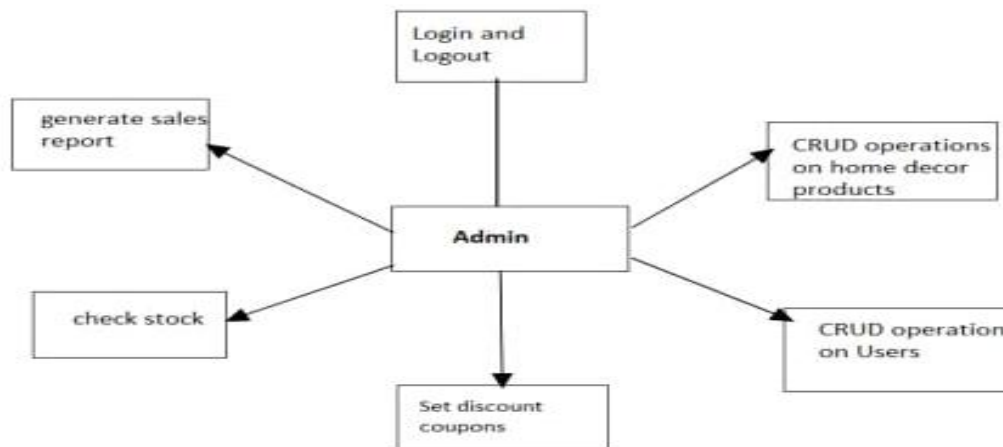
5.0 Web Pages details:

Home Page
Login Page
Sign Up 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. A 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.

➤ Curd 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 bluk amount.

➤ Stocks

Admin gets the products in the stockand mail if any stock is less than 10.

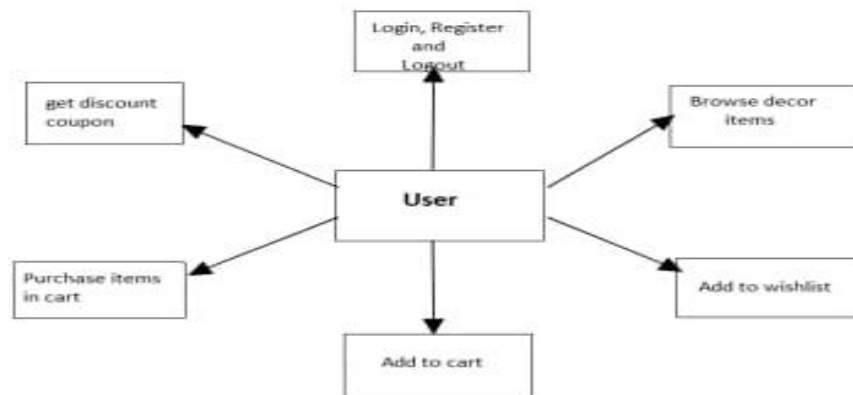
➤ Sales and reports

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 not allowed to enter the system.

➤ Product List

This feature helps the user to see the products in different categories.

➤ 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.

➤ Wish-list

This feature helps the user add the products to the wishlist which the user doesn't want to order at that particular time.

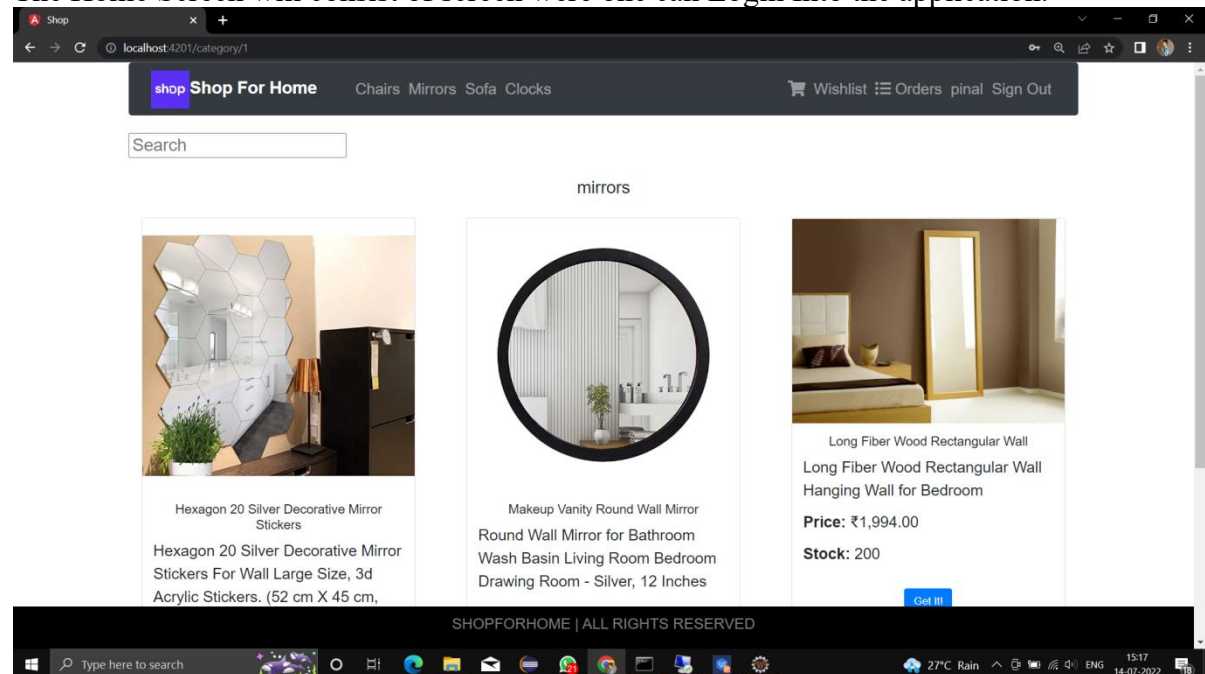
➤ Discount Coupon

User can get different discount coupons.

7.0 RESULTS

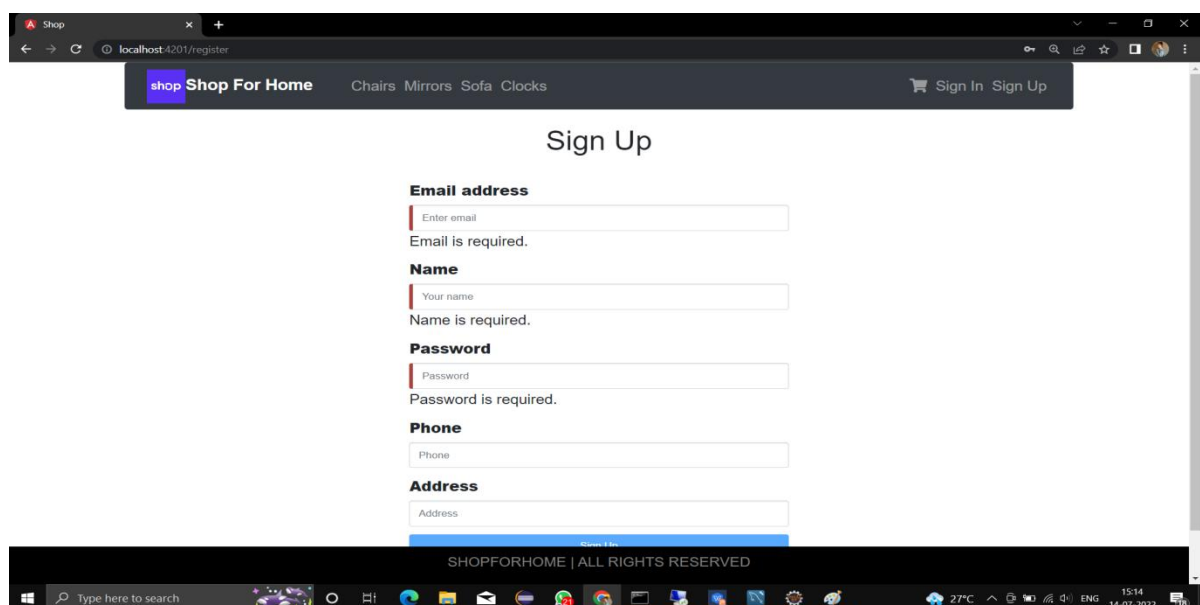
HOME PAGE:

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



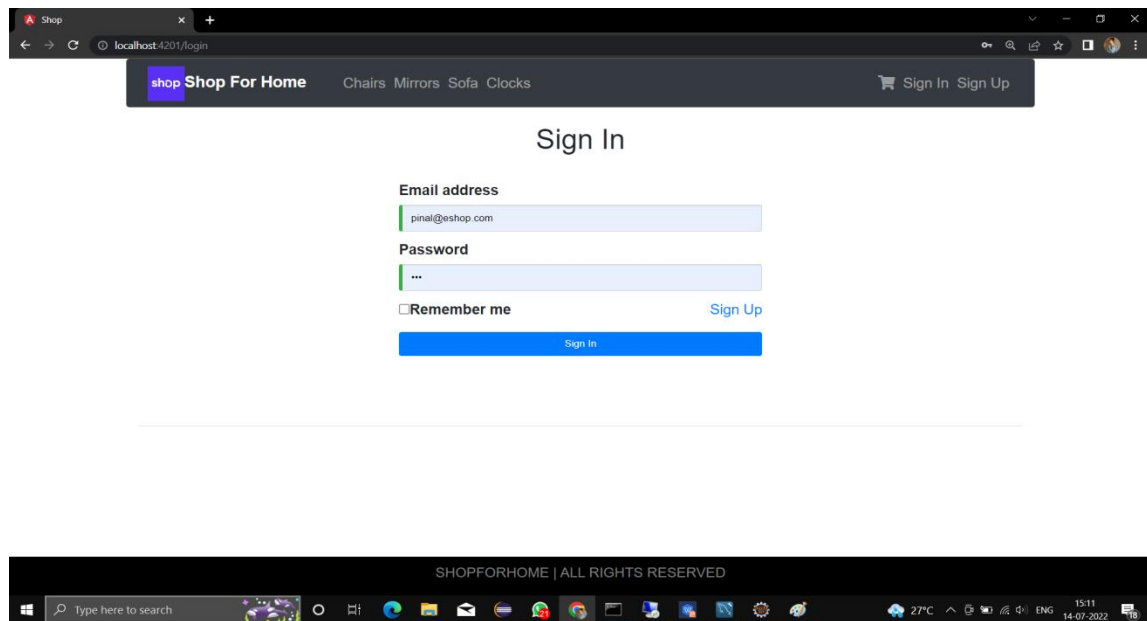
SIGNUP PAGE:

User is able to register into the Application



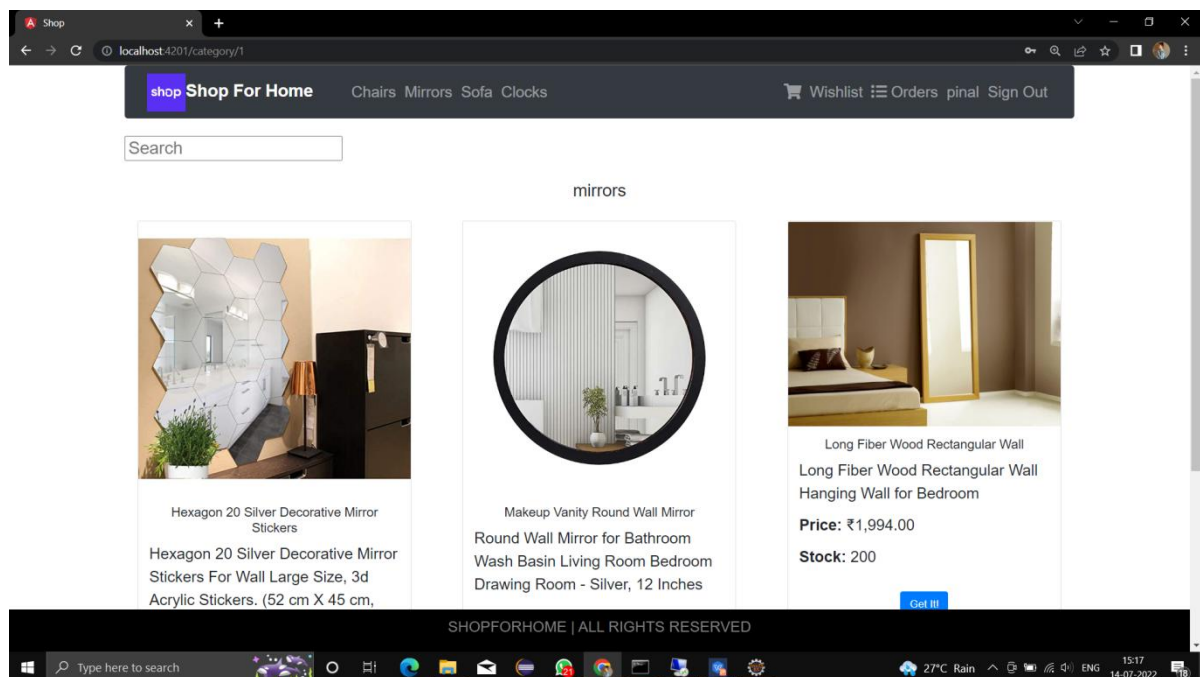
LOGIN PAGE:

User is able to login and logout into the Application



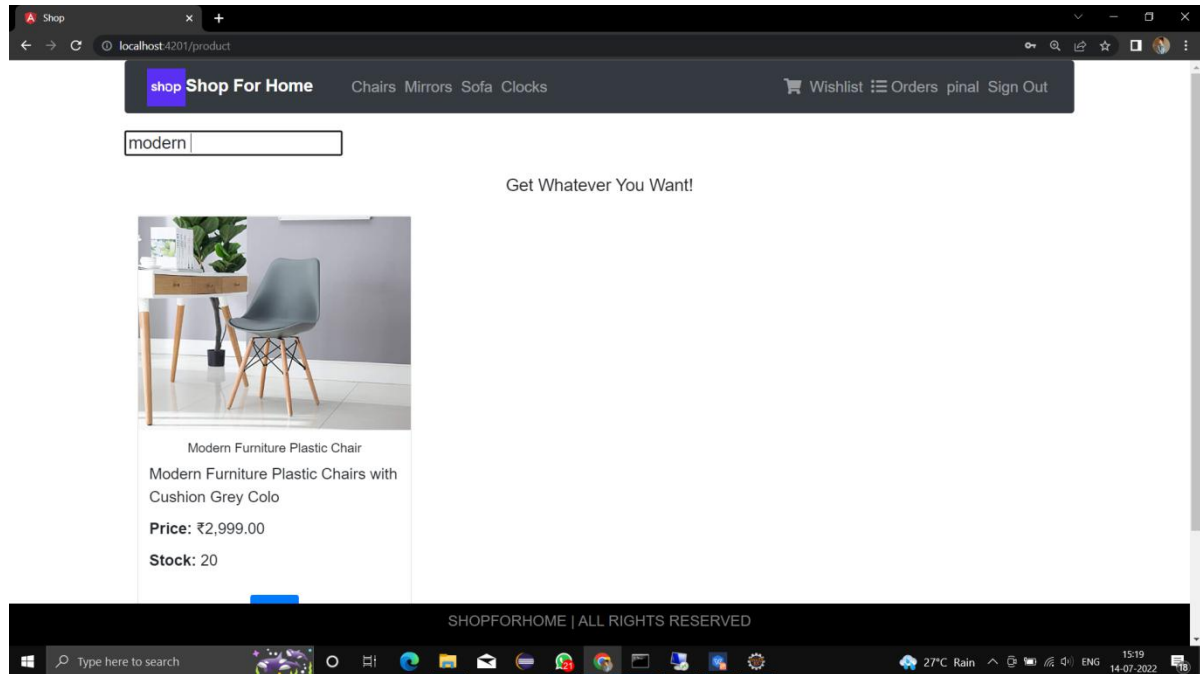
PRODUCT LIST:

User is able to see the products in different categories



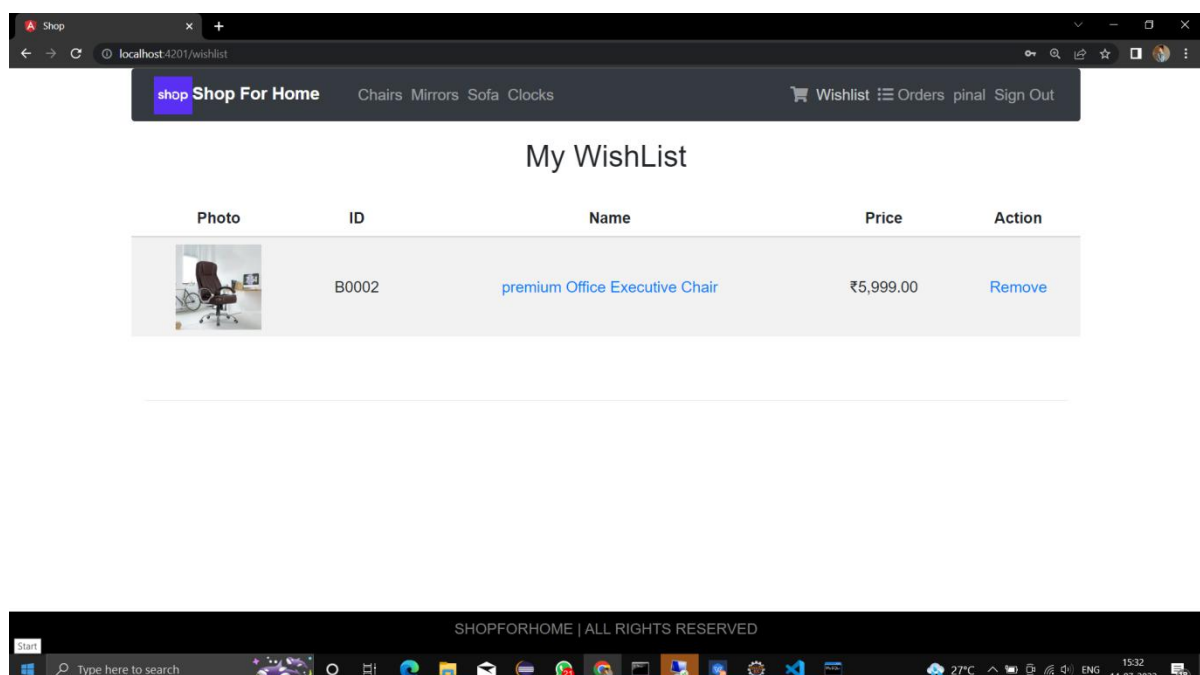
SEARCH

User can search different product items



WISHLIST:

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



BULK UPLOAD:

The screenshot shows the 'Products' page of the 'Shop For Home' application. At the top, there is a navigation bar with links: Discount, Users, Stocks, Orders, Admin, and Sign Out. Below the navigation bar, the page title 'Products' is centered. To the right of the title is a download icon. Below the title, there is a file upload section with a 'Choose File' button and a text input field containing 'fileupload.csv'. Below this is an 'Upload' button. The main content area displays a table of products with the following columns: Photo, Code, Name, Type, Description, Price, Stock, Status, Action, and Mail.

Photo	Code	Name	Type	Description	Price	Stock	Status	Action	Mail
	AF001	Futura Plastic Chairs	Chairs	Futura Plastic Chairs (Set of 4, Brown)	₹1,200.00	9	Available	Edit	email
	AF002	Ikea Adde Chair	Chairs	Ikea Adde Chair (Steel, White)	₹2,599.00	75	Available	Edit	email
	AF003	Modern Furniture Plastic Chair	Chairs	Modern Furniture Plastic Chairs with Cushion Grey Colo	₹2,999.00	20	Available	Edit	email

At the bottom of the page, there is a footer with the text 'SHOPFORHOME | ALL RIGHTS RESERVED' and a Windows taskbar showing the date and time as 15:33 on 14-07-2022.

DISCOUNT COUPONS:

User is able to get different discount coupons.

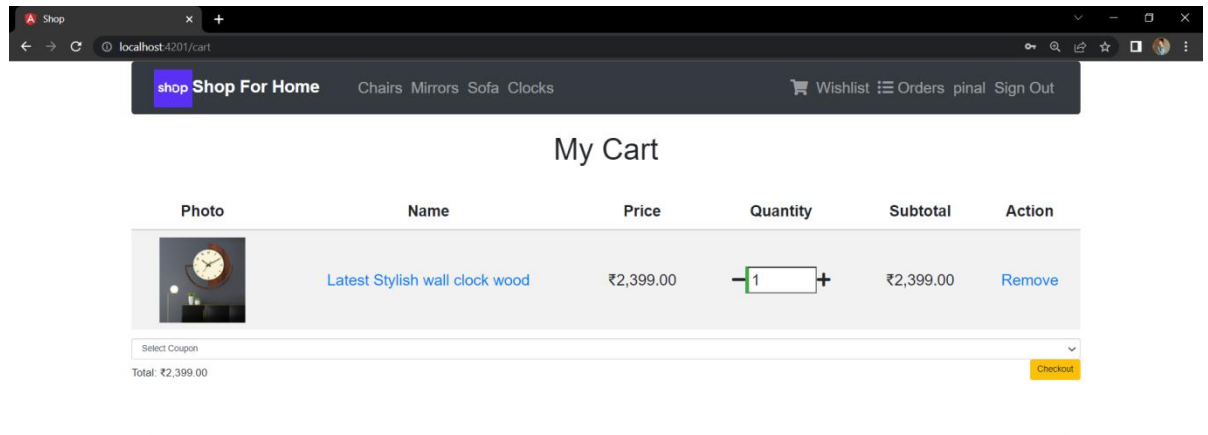
The screenshot shows the 'Coupons' page of the 'Shop For Home' application. At the top, there is a navigation bar with links: Discount, Users, Stocks, Orders, Admin, and Sign Out. Below the navigation bar, the page title 'Coupons' is centered. Below the title, there is a search bar with the placeholder text 'Search'. Below the search bar, there is a text input field with the placeholder text 'Enter coupon code' and an 'Add Coupon' button. Below this is a table of coupons with the following columns: Couponcode and Action.

Couponcode	Action
001	Delete

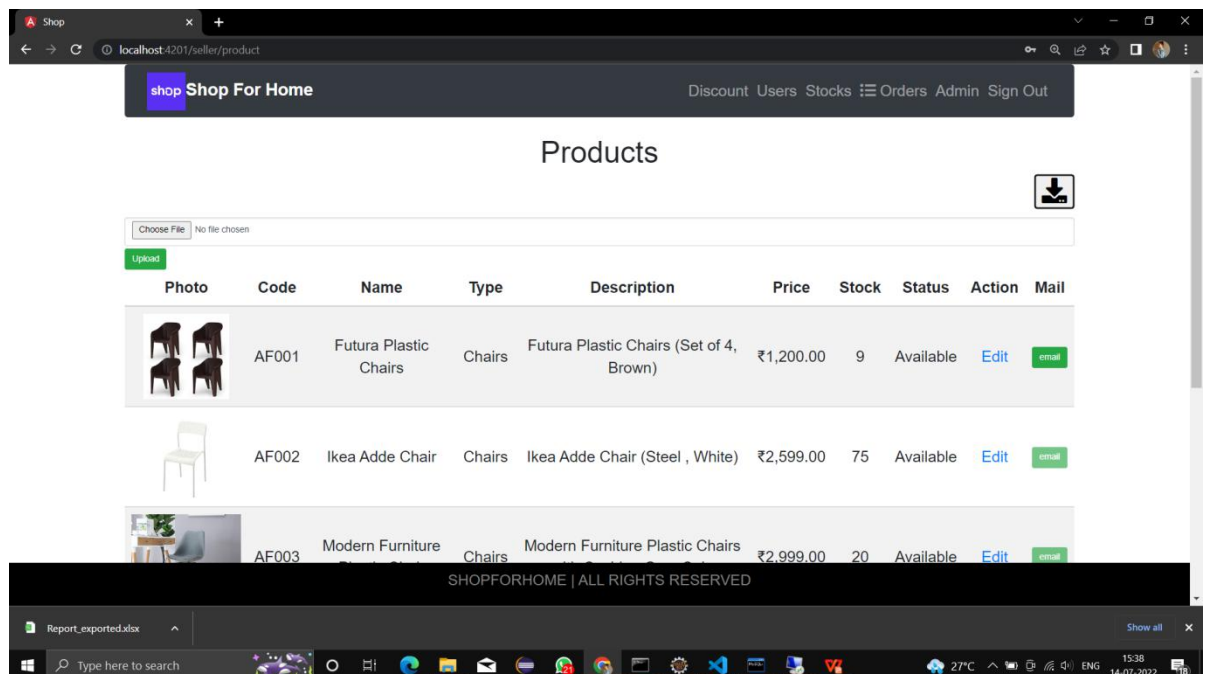
At the bottom of the page, there is a footer with the text 'SHOPFORHOME | ALL RIGHTS RESERVED' and a Windows taskbar showing the date and time as 15:34 on 14-07-2022.

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.

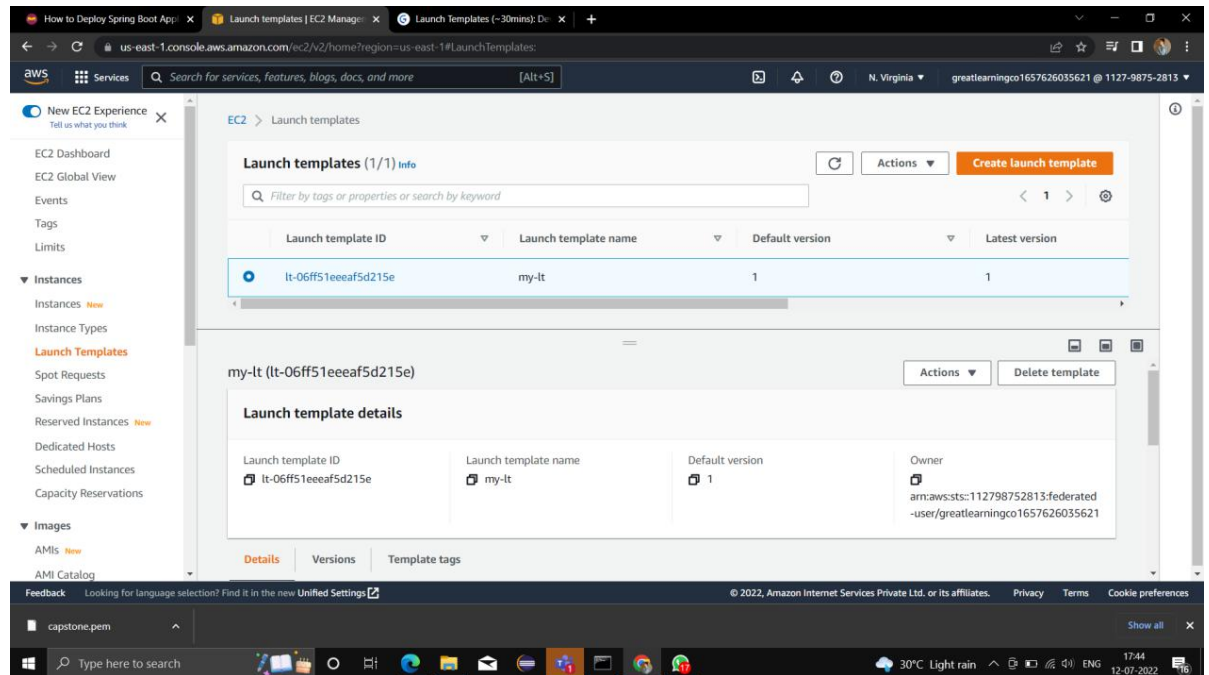
**STOCK AND SALES REPORT:**

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

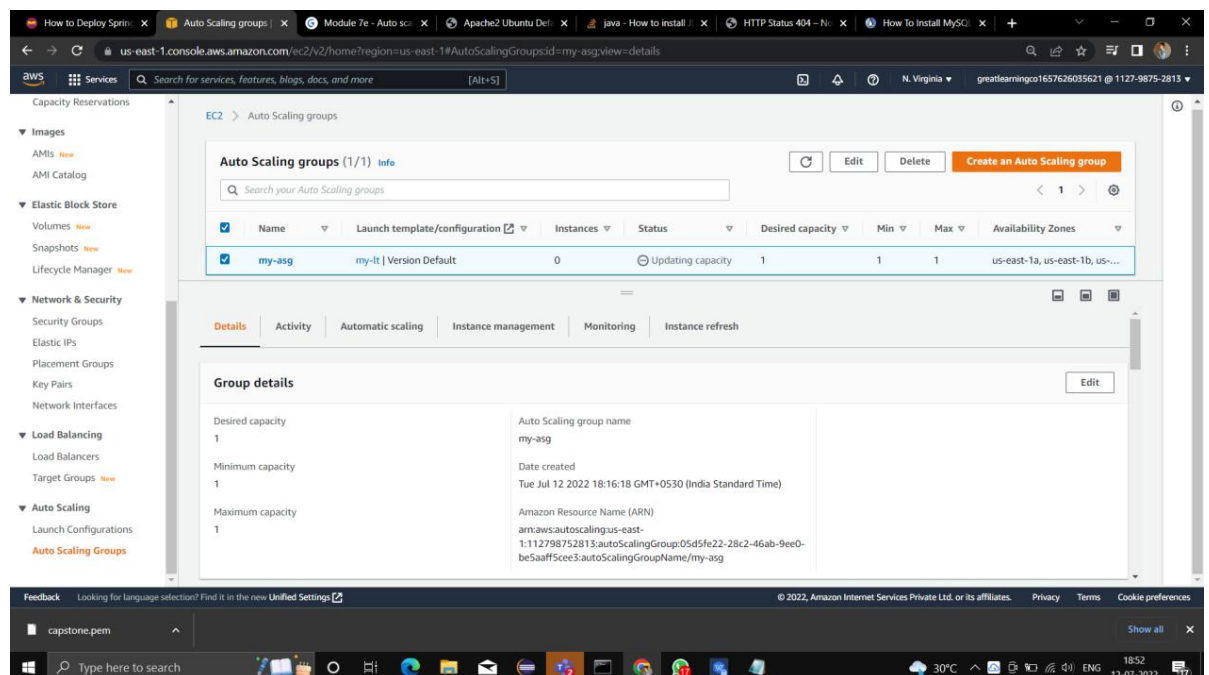


DEPLOYING EC2 INSTANCES:

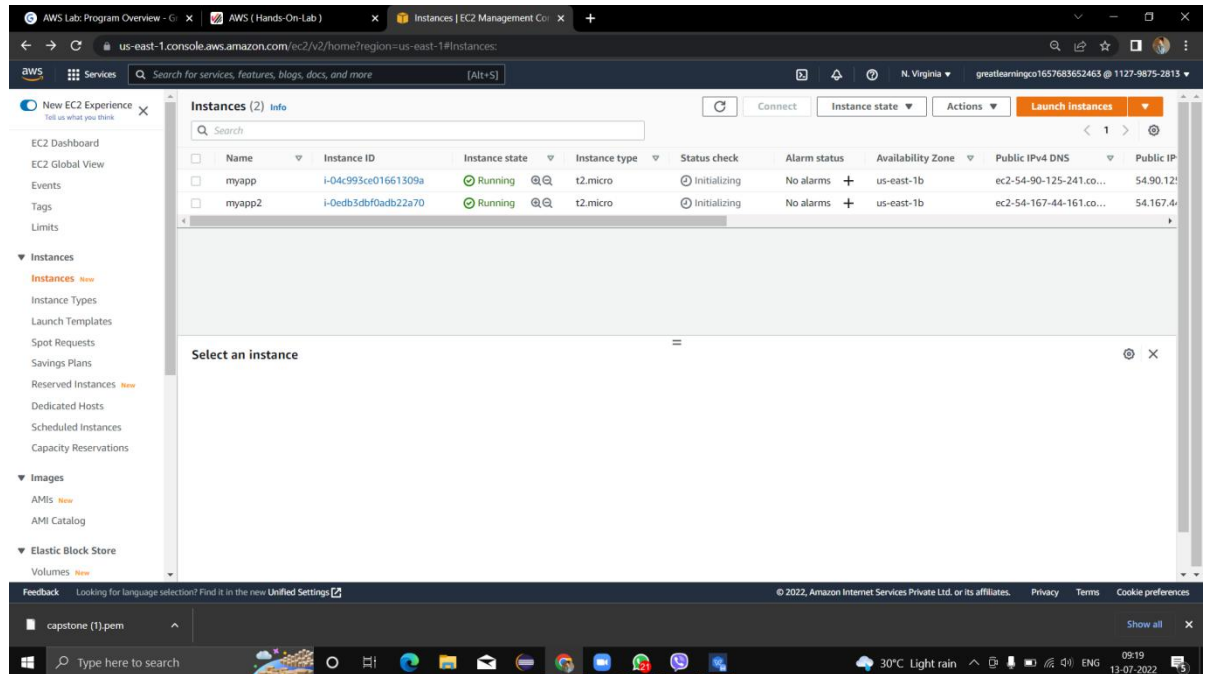
Launch Templates



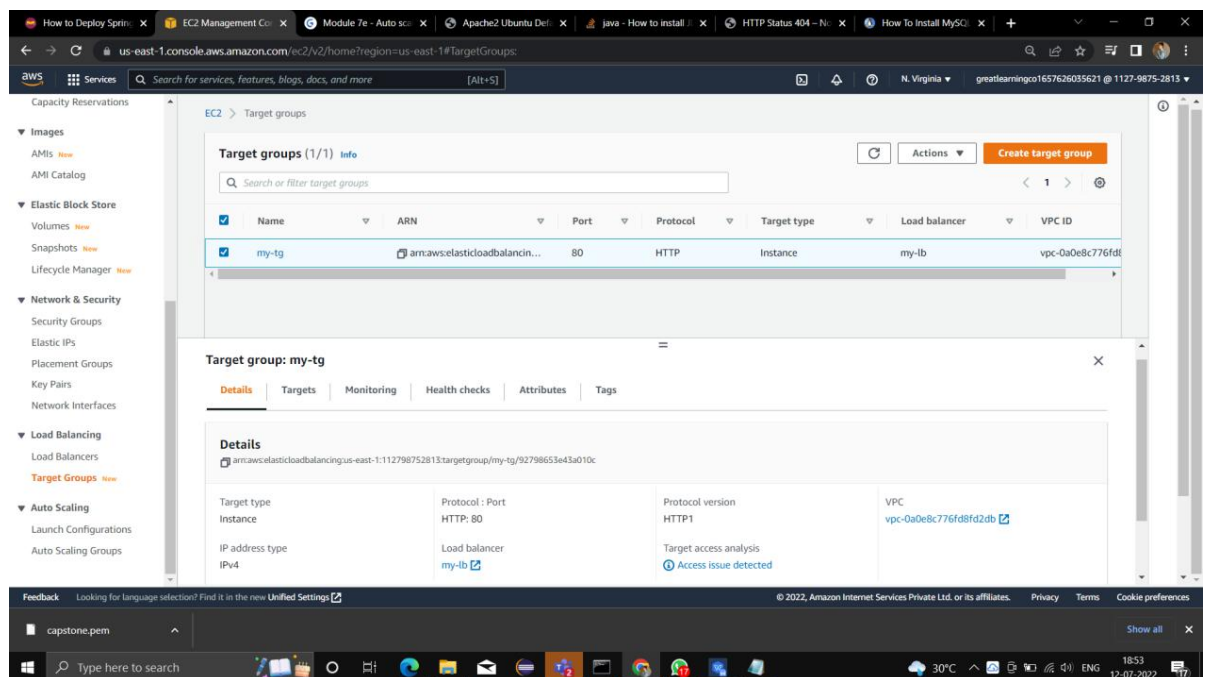
Auto Scaling Group



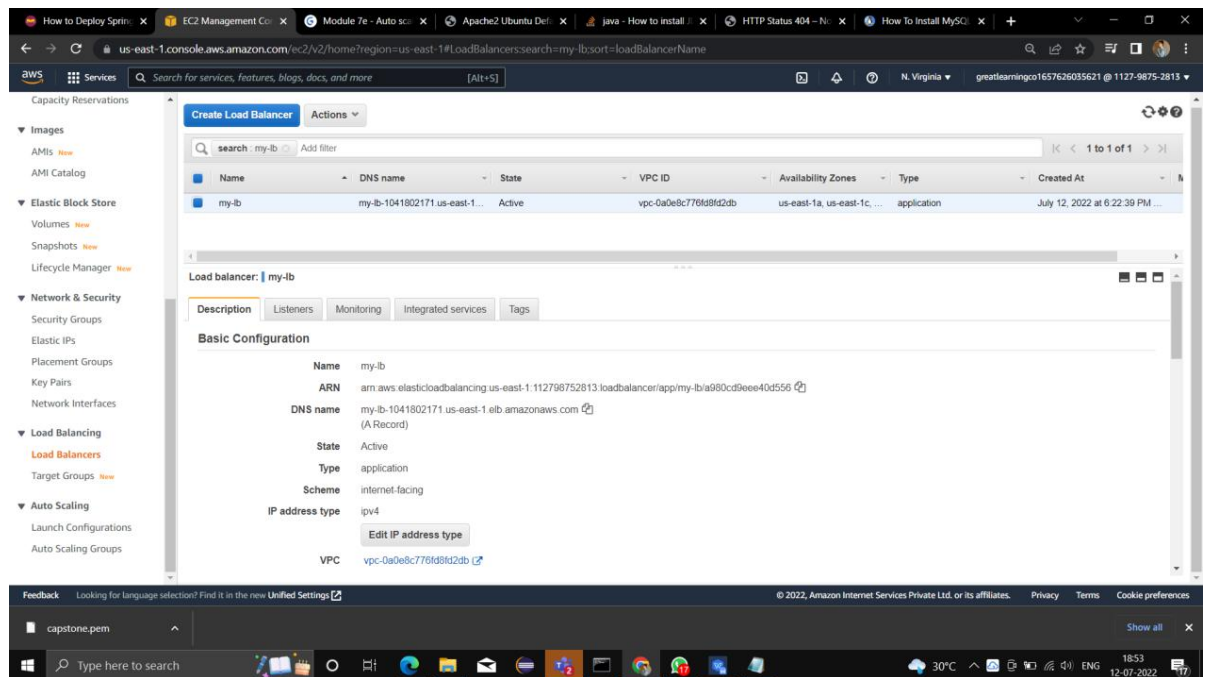
EC2 Instances



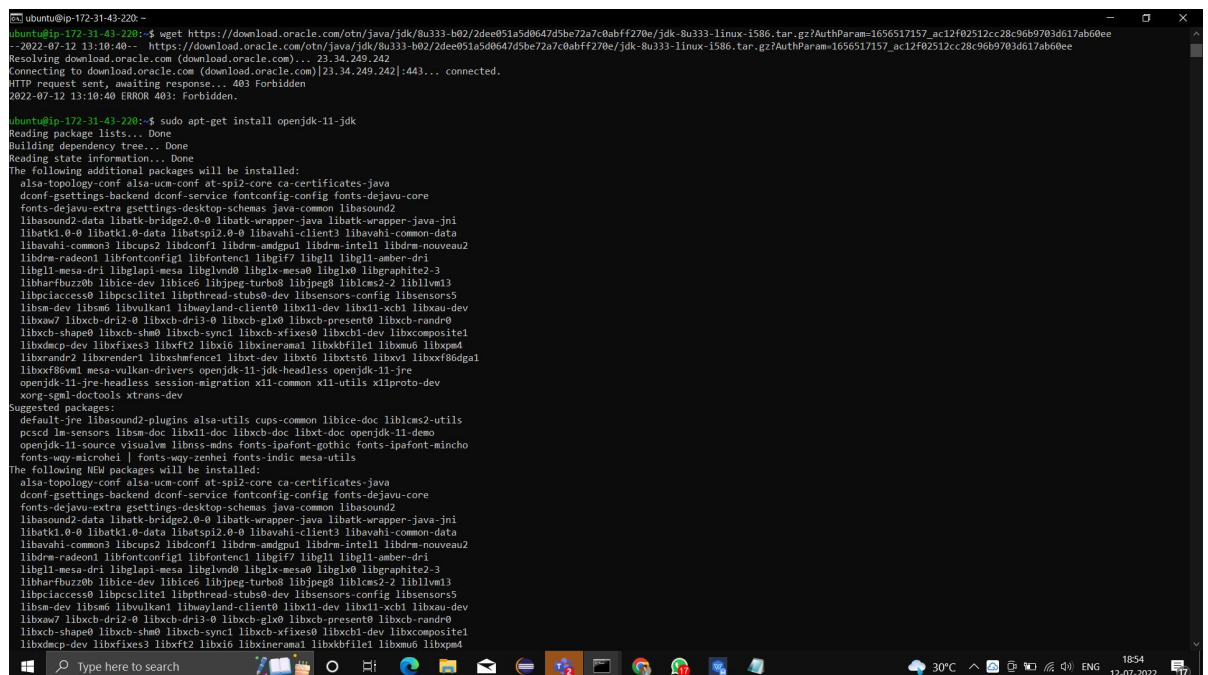
Target Group:



Load Balancer:



JDK Installation:




```

[~] Select ubuntu@in-172-31-42-220: ~

```

```

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/jshsdb to provide /usr/bin/jshsdb (jshsdb) in auto mode
Setting up openjdk-11-jdk:amd64 (11.0.15+0-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
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No 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+0-Ubuntu-0ubuntu0.22.04.1)
OpenJDK 64-Bit Server VM (build 11.0.15+0-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/.../shop-for-home-1.0.0.jar
ubuntu@ip-172-31-43-220:~$ java -jar
./cache/.../shop-for-home-1.0.0.jar
ubuntu@ip-172-31-43-220:~$ java -jar shop-for-home-1.0.0.jar
=====
:: Spring Boot ::
(2.7.1)

2022-07-12 13:14:09.588 INFO 5138 --- [
for-home-1.0.0.jar started by ubuntu /home/ubuntu)
2022-07-12 13:14:09.596 INFO 5138 --- [ main ] c.i.shopforhome.ShopForHomeApplication : No active profile set, falling back to 1 default profile: "default"
2022-07-12 13:14:11.691 INFO 5138 --- [ main ] s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring Data JPA repositories in DEFAULT mode.
2022-07-12 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.
2022-07-12 13:14:13.601 INFO 5138 --- [ main ] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 8080 (http)
2022-07-12 13:14:13.626 INFO 5138 --- [ main ] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2022-07-12 13:14:13.627 INFO 5138 --- [ main ] org.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/9.0.64]
2022-07-12 13:14:13.847 INFO 5138 --- [ main ] o.a.c.c.C.[Tomcat].[localhost].[/api] : Initializing Spring embedded WebApplicationContext
2022-07-12 13:14:13.847 INFO 5138 --- [ main ] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 4130 ms
2022-07-12 13:14:14.397 INFO 5138 --- [ main ] o.hibernate.jpa.internal.util.LogImpor : HHH000204: Processing PersistenceUnitInfo [name: default]

```

Age Group	Percentage
18-24	10%
25-34	15%
35-44	20%
45-54	25%
55-64	30%
65-74	35%
75-84	40%
85+	45%

