

*A PROJECT ON*  
**SHOP FOR HOME**  
*SUBMITTED BY*

**TEAM MEMBERS:**

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Tarun mosalagi

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## PROBLEM STATEMENT

In our modern era where the internet is ubiquitous, everyone relies on various online resources for purchasing. Purchasing products offline creates a lot of expenses such as time consuming, labour costs and many such other things.

## OBJECTIVE

Our Objective is to create an shop for home which provides a satisfying experience of browsing the products online. Here the user can buy the products, add products to the cart and can even remove the products from the cart. This application reduces the manual tasks of users such as visiting the store, travelling costs and time consuming searches.

## CURRENT CONDITION

*Status quo :*

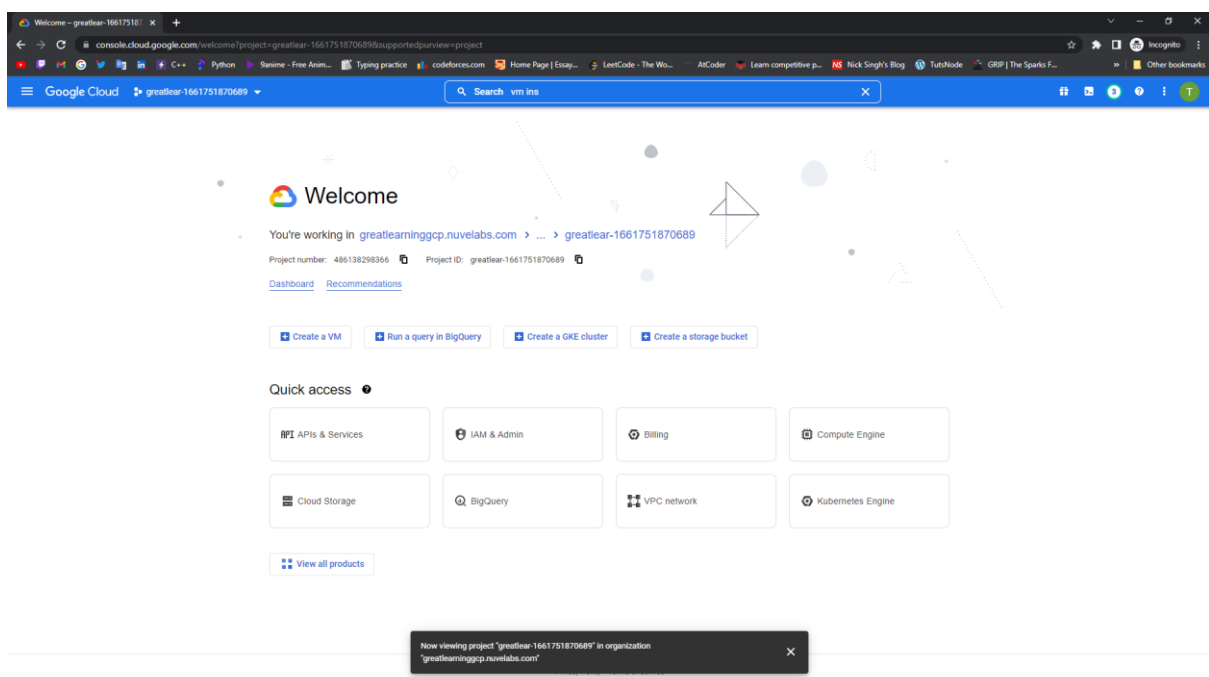
hectic task. And moreover the payment takes a lot of time as we have to wait in the queue. Nowadays people are travelling to the near by stores to buy the products which is time consuming one.

## CLOUD SOLUTION:

The process has several steps to be carried out.

Sign up with your credentials and jump into the cloud console of GCP.

1. Open the dash board. Click on the create *VM instance* option.



## 2. Enter the name, region and Machine Configuration as required.

Create an instance

To create a VM instance, select one of the options:

- New VM instance  
Create a single VM instance from scratch
- New VM instance from template  
Create a single VM instance from an existing template
- New VM instance from machine image  
Create a single VM instance from an existing machine image
- Marketplace  
Deploy a ready-to-go solution onto a VM instance

Name \*  
capstone-project-g6

Labels  
+ ADD LABELS

Region \*  
us-west2 (Los Angeles)  
Region is permanent

Zone \*  
us-west2-a  
Zone is permanent

Machine configuration

Machine family

GENERAL PURPOSE COMPUTE-OPTIMIZED MEMORY-OPTIMIZED GPU

Machine types for common workloads, optimized for cost and flexibility

Series  
N1  
Powered by Intel Skylake CPU platform or one of its predecessors

Machine type  
n1-standard-2 (2 vCPU, 7.5 GB memory)

VCPU 2 Memory 7.5 GB

CPU PLATFORM AND GPU

Display device  
Enable to use screen capturing and recording tools.  
☐ Enable display device

Confidential VM service  
Enable the Confidential Computing service on this VM instance.  
☒ Confidential Computing is disabled on this VM instance  
[ENABLE](#)

Monthly estimate  
\$59.51  
That's about \$3.08 hourly  
Pay for what you use: No upfront costs and per second billing

Item	Monthly estimate
2 vCPU + 7.5 GB memory	\$83.30
10 GB balanced persistent disk	\$1.20
Sustained use discount	-\$24.99
Total	\$59.51

[Compute Engine pricing](#)  
[LESS](#)

## 3. Select the boot disk types, select the serve you want to choose.

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Create a single VM instance from scratch
- New VM instance from template  
Create a single VM instance from an existing template
- New VM instance from machine image  
Create a single VM instance from an existing machine image
- Marketplace  
Deploy a ready-to-go solution onto a VM instance

Boot disk

Name  
capstone-project-g6

Type  
New balanced persistent disk

Size  
10 GB

License type  
Free

Image  
Debian GNU/Linux 11 (bullseye)  
[CHANGE](#)

Identity and API access

Service account  
Compute Engine default service account  
Requires the Service Account User role (roles/iam.serviceAccountUser) to be set for users who want to access VMs with this service account. [Learn more](#)

Access scopes  
☒ Allow default access  
☐ Allow full access to all Cloud APIs  
☐ Set access for each API

Firewall  
Add tags and firewall rules to allow specific network traffic from the Internet.  
☒ Allow HTTP traffic  
☐ Allow HTTPS traffic

Advanced options  
Networking, disks, security, management, sole-tenancy  
[Compute Engine pricing](#)  
You will be billed for this instance.

CREATE CANCEL EQUIVALENT COMMAND LINE

Boot disk

Select an image or snapshot to create a boot disk or attach an existing disk. Can't find what you're looking for? Explore hundreds of VM solutions in [Marketplace](#)

PUBLIC IMAGES CUSTOM IMAGES SNAPSHOTS EXISTING DISKS

Operating system  
Windows Server

Version \*  
Windows Server 2012 R2 Datacenter  
x86\_64, Server with Desktop Experience, v64 built on 20220812, supports Shielded VM features

Boot disk type \*  
Balanced persistent disk

Size (GB) \*  
50

[SHOW ADVANCED CONFIGURATION](#)

[SELECT](#) CANCEL

4.Allow the *HTTP traffic* and click on CREATE.

Create an instance

To create a VM instance, select one of the options:

- New VM instance  
Create a single VM instance from scratch
- New VM instance from template  
Create a single VM instance from an existing template
- New VM instance from machine image  
Create a single VM instance from an existing machine image
- Marketplace  
Deploy a ready-to-go solution onto a VM instance

Name: capstone-project-g6  
Type: New balanced persistent disk  
Size: 50 GB  
License type: PAYG (Pay-as-you-go)  
Image: Windows Server 2012 R2 Datacenter

Monthly estimate: \$131.47  
That's about \$0.18 hourly  
Pay for what you use. No upfront costs and per second billing

Item	Monthly estimate
2 vCPU + 7.5 GB memory	\$83.30
Premium image usage fee*	\$67.16
50 GB balanced persistent disk	\$6.00
Sustained use discount	-\$24.99
Total	\$131.47

\* Image usage fee is billed by Google.  
[Compute Engine pricing](#)  
[LESS](#)

Identity and API access

Service accounts

Service account: Compute Engine default service account

Requires the Service Account User role (roles/iam.serviceAccountUser) to be set for users who want to access VMs with this service account. [Learn more](#)

Access scopes

☒ Allow default access  
☐ Allow full access to all Cloud APIs  
☐ Set access for each API

Firewall

Add tags and firewall rules to allow specific network traffic from the Internet

☒ Allow HTTP traffic  
☐ Allow HTTPS traffic

Advanced options  
Networking, disks, security, management, sole-tenancy

You will be billed for this instance. [Compute Engine pricing](#)

[CREATE](#) [CANCEL](#) [EQUIVALENT COMMAND LINE](#)

5.Your instance will be created then click on RDP.

VM instances

CREATE INSTANCE [IMPORT VM](#) [REFRESH](#) [START / RESUME](#) [STOP](#) [SUSPEND](#) [RESET](#) [DELETE](#) [OPERATIONS](#) [HELP ASSISTANT](#) [HIDE INFO PANEL](#)

Virtual machines

- VM instances
- Instance templates
- Sole-tenant nodes
- Machine images
- TPUs
- Committed use discounts
- Migrate to Virtual Machines

Storage

- Instance groups
- Health checks

VM Manager

- Bare Metal Solution
- Settings

Marketplace

Release Notes

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	External IP	Connect
<input checked="" type="checkbox"/>	capstone-project-g6	us-west2-a			10.168.0.2 (nic0)	35.235.111.22 (nic0)	RDP

Related actions

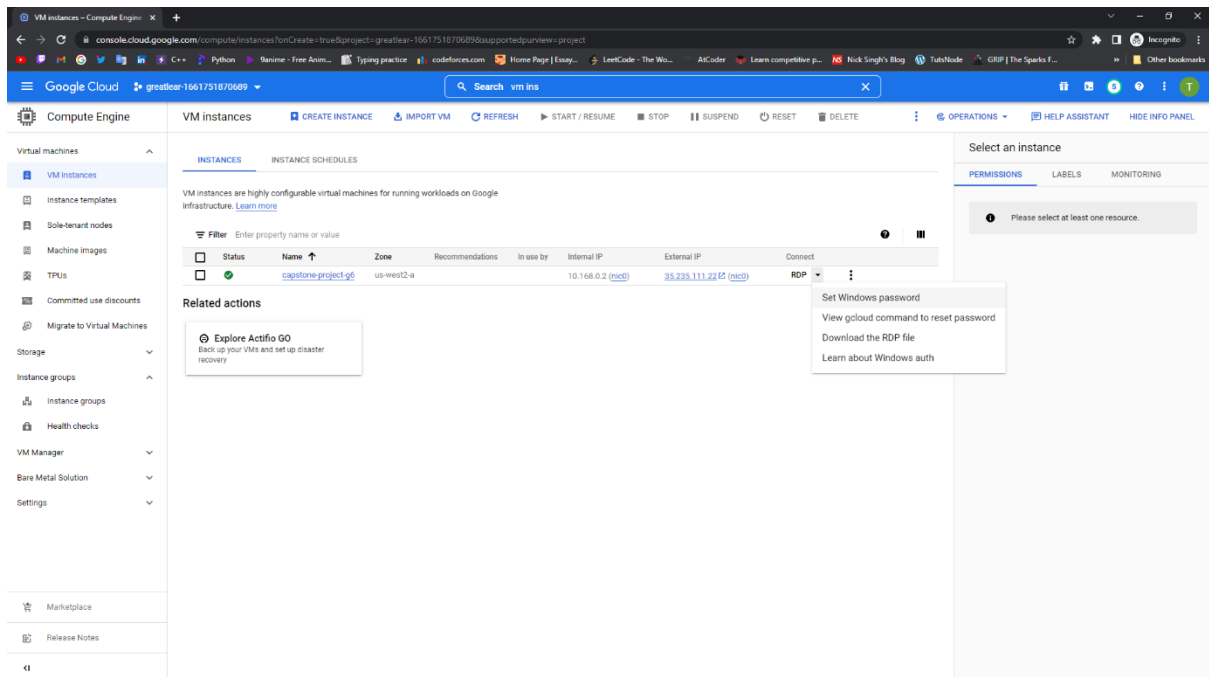
[Explore Actifio GO](#)  
Back up your VMs and set up disaster recovery

Select an instance

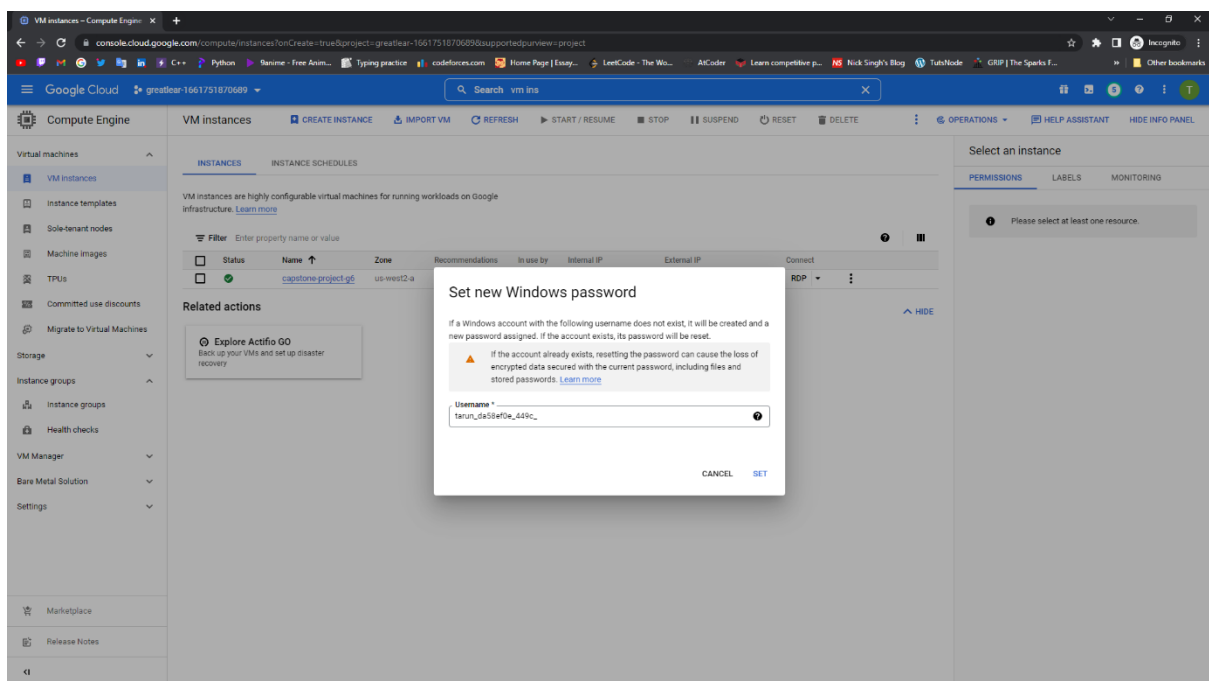
PERMISSIONS LABELS MONITORING

Please select at least one resource.

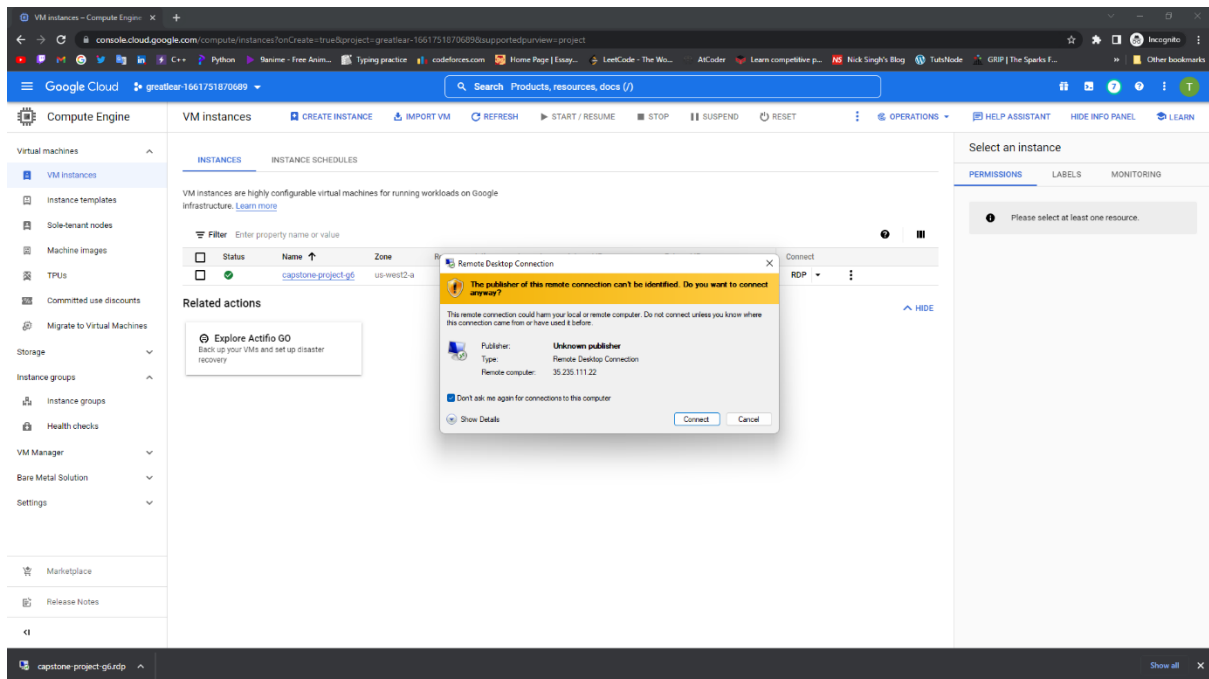
6. After click on *RDB* dropdown, select the Set Windows password option over there.



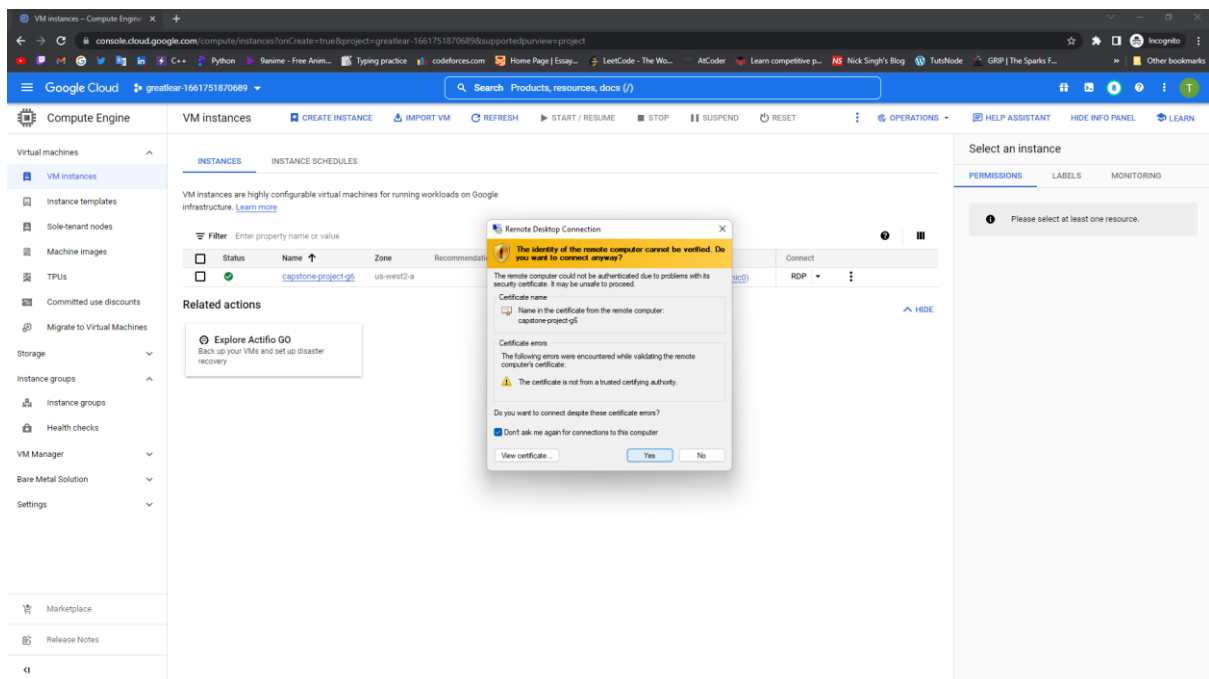
7. After selecting the *Set Windows password*, give the username and password



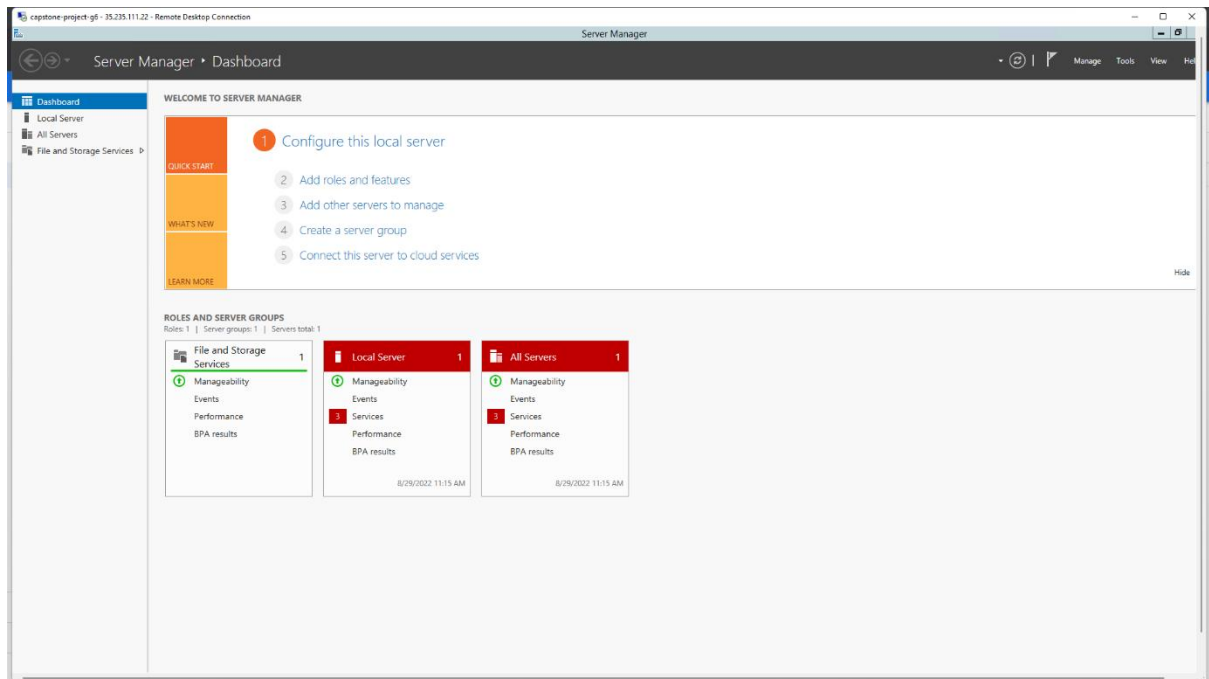
8. Open the *remote desktop* and click on connect.



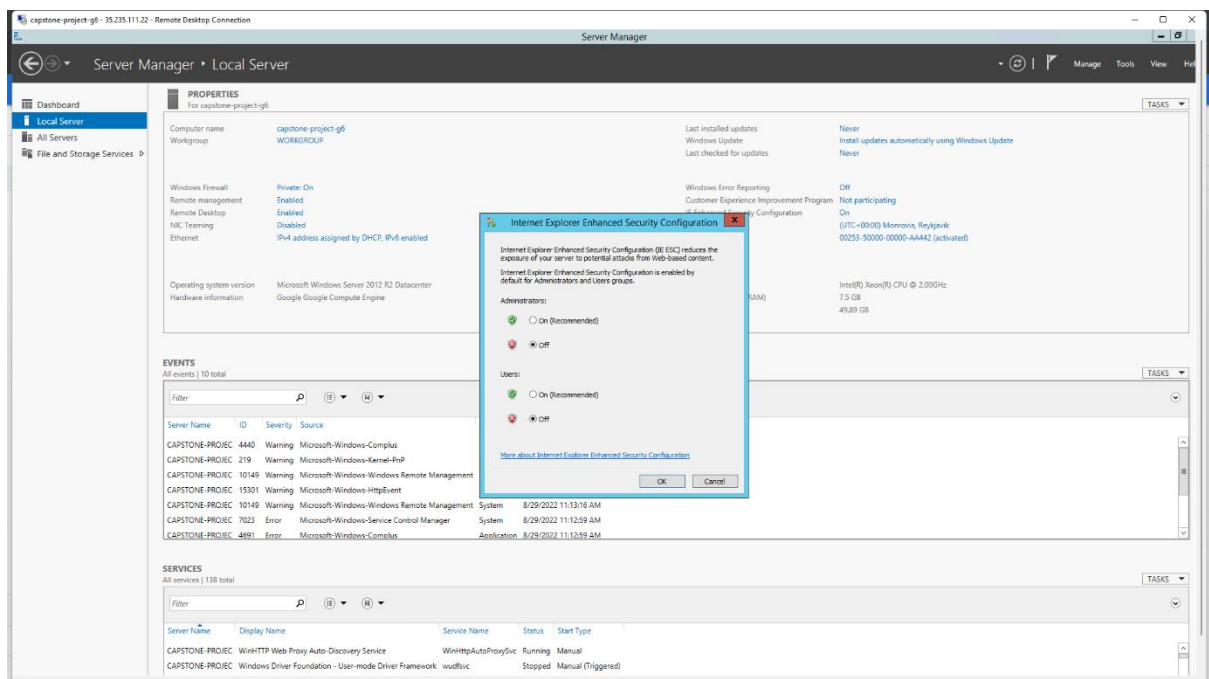
9. Click on yes, and then it will give us access to the remote virtual machine.



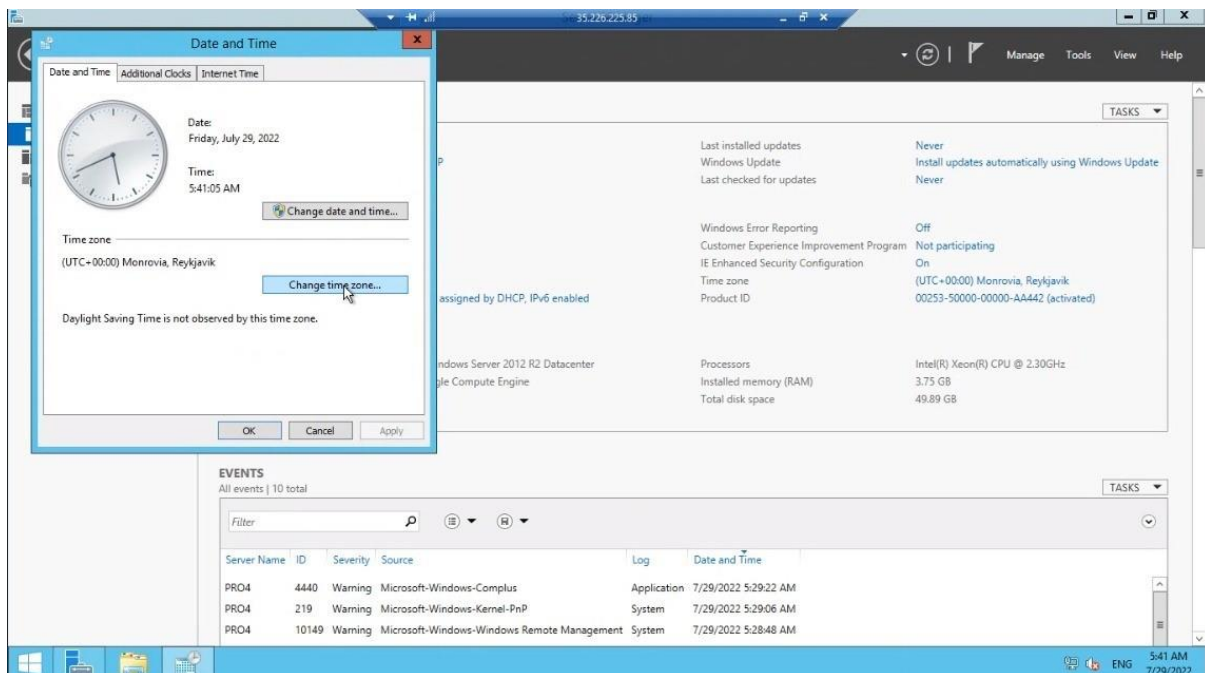
10. Now a dashboard will be appeared, click on the *Local Server* which is present at the top left corner.



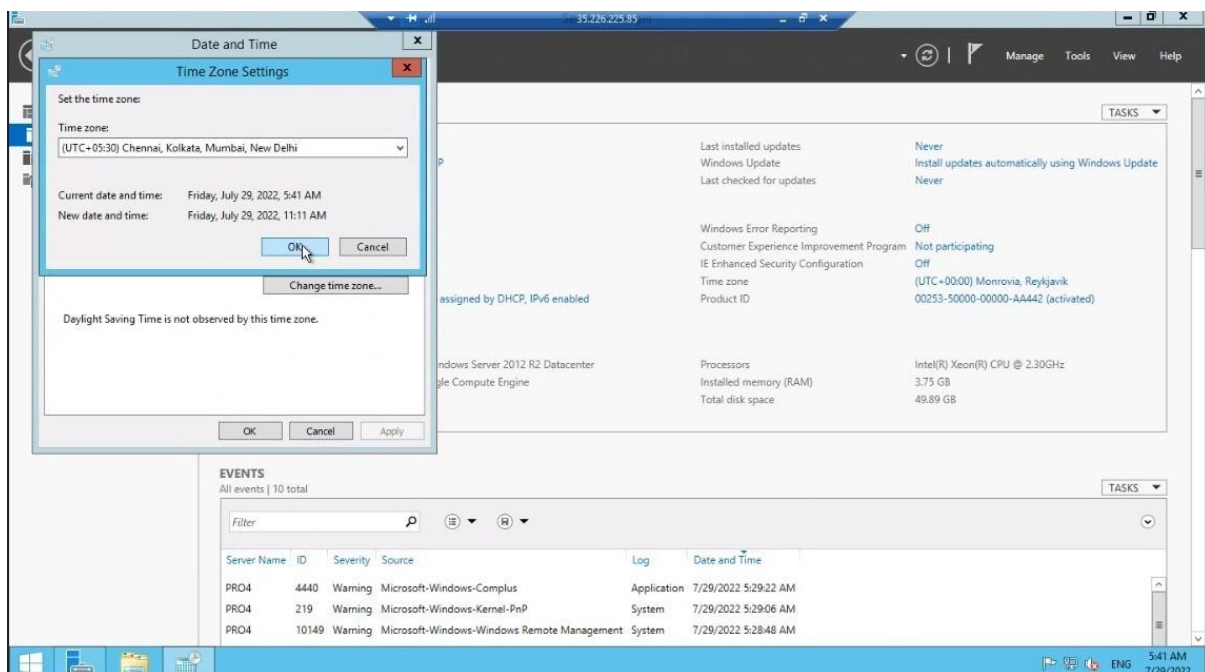
11. On clicking the local server, we should turn off the IEEnhanced Security Configuration which is present at the right side of the panel.



12. Now click on the time zone which is below the IE Enhanced Security Configuration and make necessary changes.



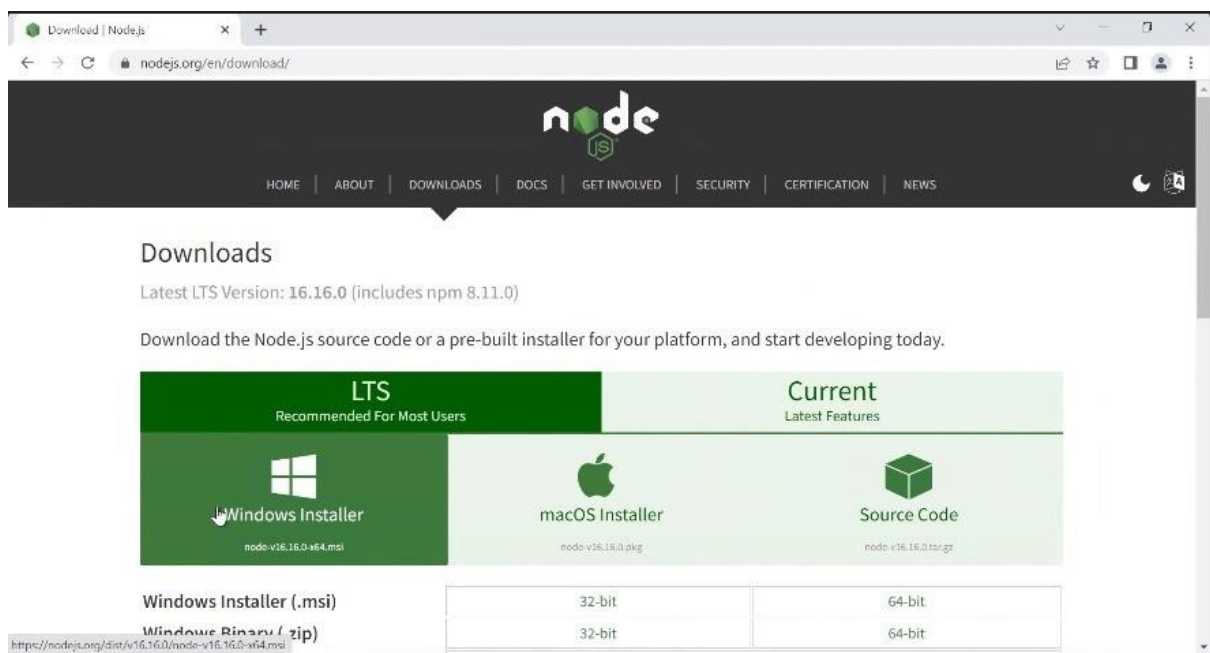
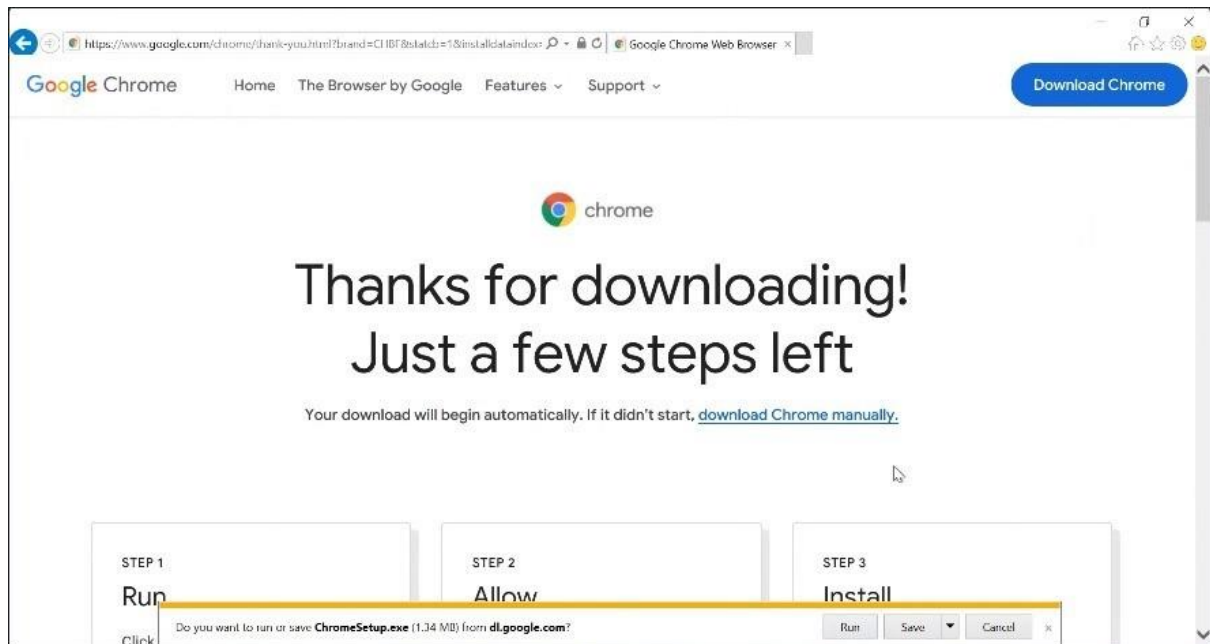
13. And now click on okay after making the changes





13. Now download all the necessary soft wares such as-

- Chrome
- Node js
- Eclipse (web for developers)
- Visual studio code
- PostGRESQL



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Version 1.60 is now available! Read about the new features and fixes from June.

## Download Visual Studio Code


Free and built on open source. Integrated Git, debugging and extensions.



↓ Windows

Windows 8, 10, 11

User Installer 64 bit 32 bit ARM  
System Installer 64 bit 32 bit ARM  
zip 64 bit 32 bit ARM




↓ .deb

Debian, Ubuntu

↓ .rpm

Red Hat, Fedora, SUSE

.deb 64 bit ARM ARM 64  
.rpm 64 bit ARM ARM 64  
zip 64 bit ARM ARM 64



↓ Mac

macOS 10.11+

zip Universal Intel Chip Apple Silicon

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postgresql.org/download/windows/

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30th June 2022: PostgreSQL 15 Beta 2 Released!

## Windows installers

### Interactive installer by EDB

Download the installer certified by EDB for all supported PostgreSQL versions.

**Note!** This installer is hosted by EDB and not on the PostgreSQL community servers. If you have issues with the website it's hosted on, please contact [webmaster@enterprisedb.com](mailto:webmaster@enterprisedb.com).

This installer includes the PostgreSQL server, pgAdmin, a graphical tool for managing and developing your databases, and StackBuilder, a package manager that can be used to download and install additional PostgreSQL tools and drivers. StackBuilder includes management, integration, migration, replication, geospatial, connectors and other tools.

This installer can run in graphical or silent install modes.

The installer is designed to be a straightforward, fast way to get up and running with PostgreSQL on Windows.

**Advanced users** can also download a **zip archive** of the binaries, without the installer. This download is intended for users who wish to include PostgreSQL as part of another application installer.

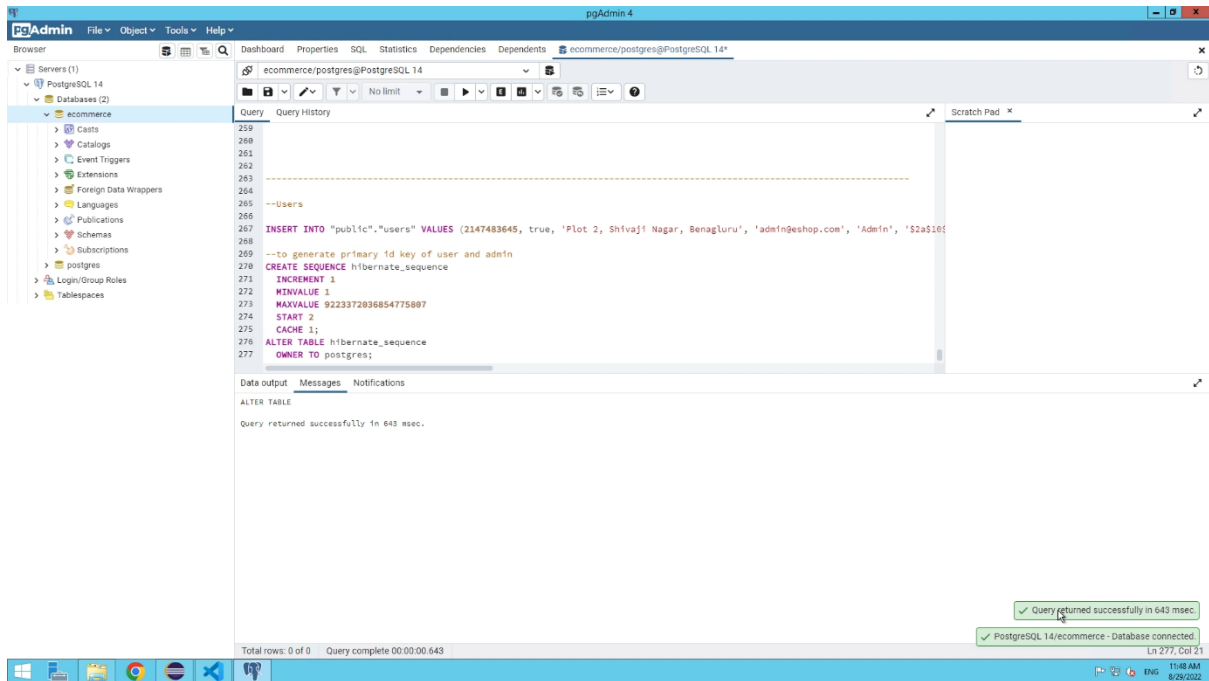
### Platform support

The installers are created by EDB on the following platforms. They can generally be expected to run on other comparable versions, for

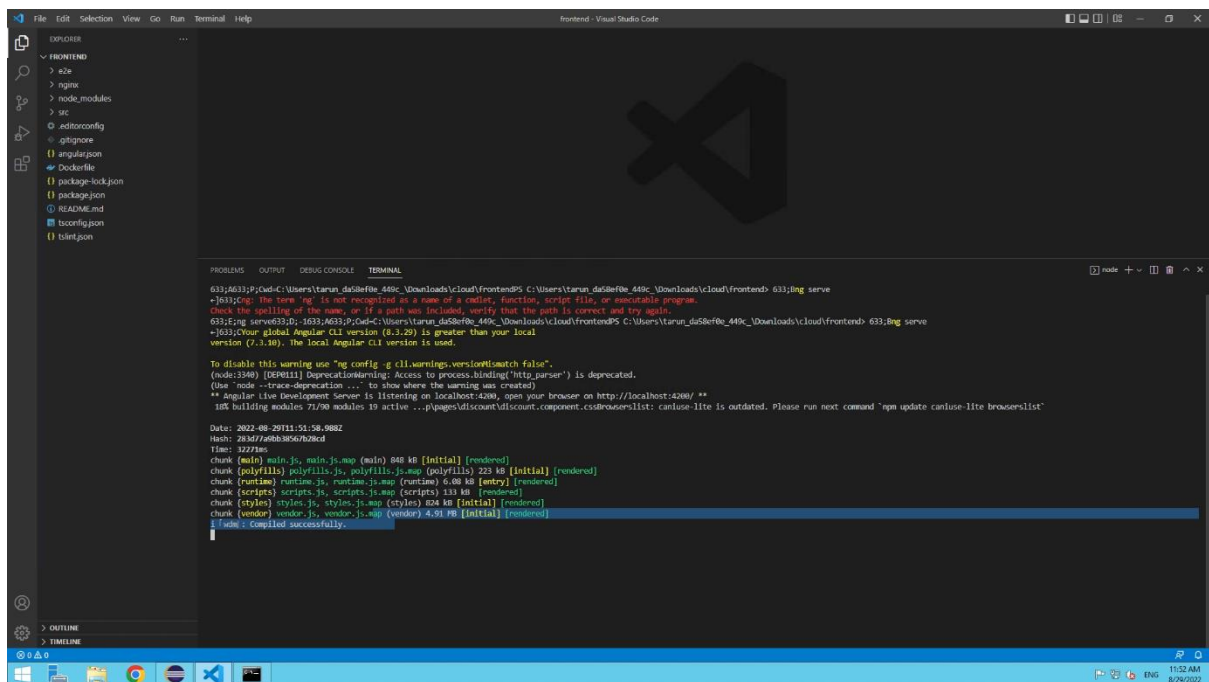
<https://www.enterprisedb.com/downloads/postgres-postgresql-downloads>

#### 14. Open pgAdmin4,

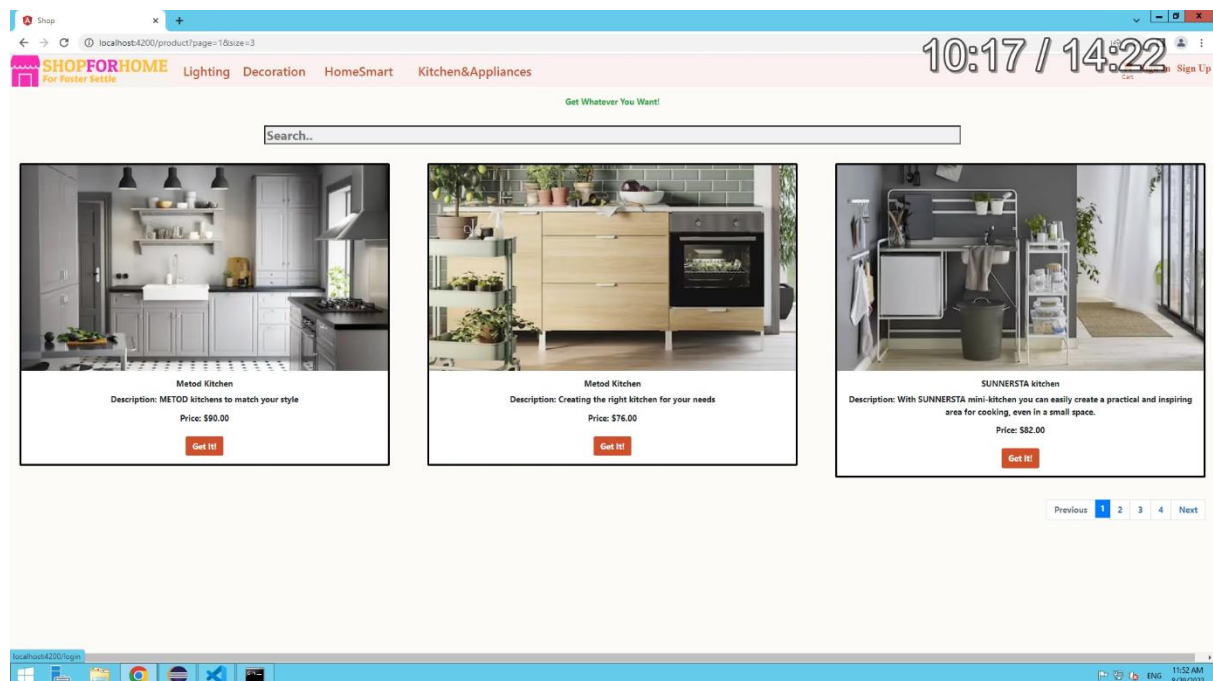
- Click on servers
- Enter the password “root”
- Click on database and create a new database
- Name as the database as ecommerce
- Open the ecommerce and right click over there
- Open the query tool
- Open the file in which the code is placed and run it



#### 15. Open the VS code, import the folder and run the terminal.



This is the home page of the application.



19. If the user is an existing user he can login using his credentials. The sign in option is present at the top right or he can signup by using the signup button if he is a new user.

### Sign up page:

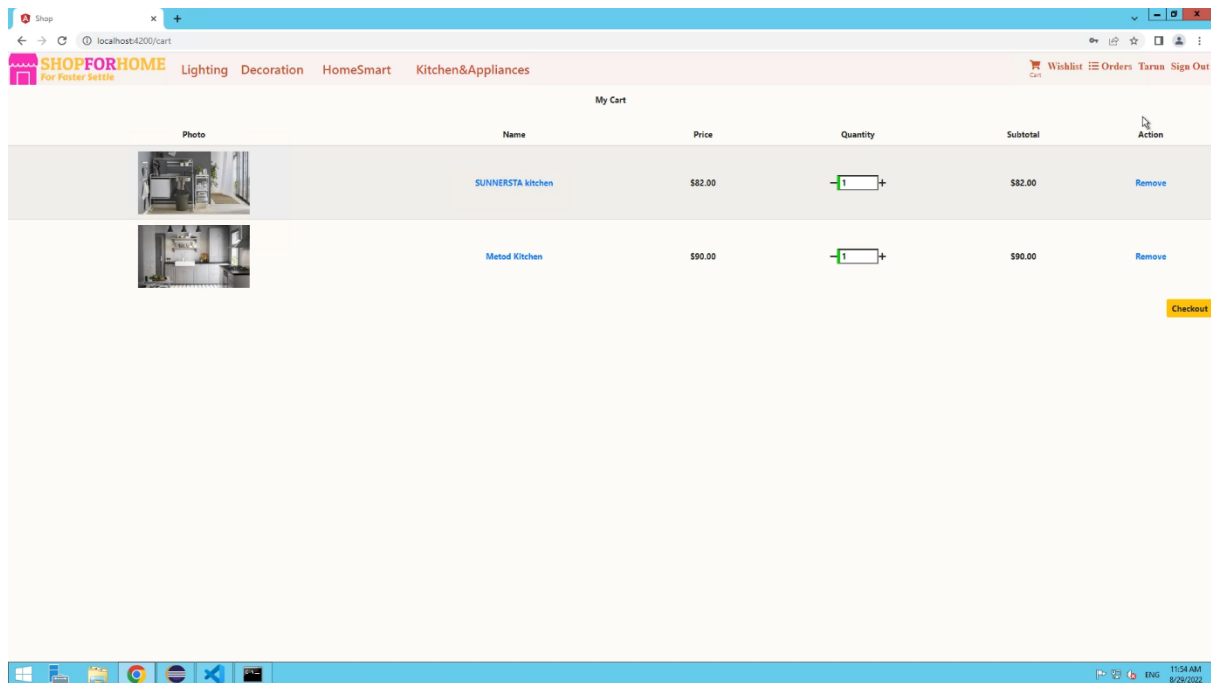
The screenshot shows a web browser window with the URL `localhost:4200/register`. The page header includes the logo "SHOPFORHOME For Faster Settle" and navigation links: "Lighting", "Decoration", "HomeSmart", and "Kitchen&Appliances". On the right side of the header, there are links for "Sign In" and "Sign Up". The main content area features a "Sign Up" form with the following fields: "EMAIL" (containing "tarun.123@shop.in"), "Name" (containing "Tarun"), "Password" (containing "\*\*\*\*\*"), "Phone" (containing "1234567890"), and "Address" (containing "us-west2 a"). A blue "Sign Up" button is located at the bottom of the form. The Windows taskbar at the bottom shows the time as 11:53 AM on 8/28/2022.

### Sign in page:

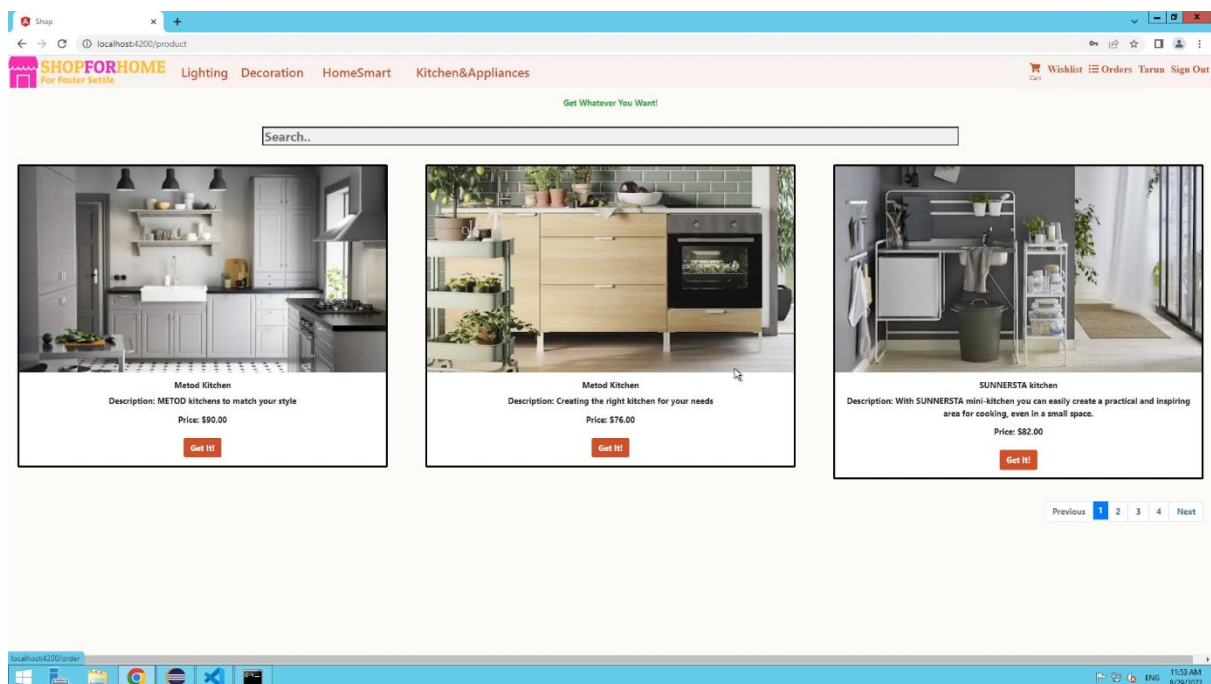
The screenshot shows a web browser window with the URL `localhost:4200/login`. The page header is identical to the Sign Up page, with the "SHOPFORHOME" logo and navigation links. The main content area features a "Sign In" form with the following fields: "Email address" (containing "tarun.123@shop.in") and "Password" (containing "\*\*\*\*\*"). Below the password field, there is a "Remember me" checkbox and a "Sign Up" link. A blue "Sign In" button is located at the bottom of the form. The Windows taskbar at the bottom shows the time as 11:53 AM on 8/28/2022.

The below are some of the screenshots of our application.

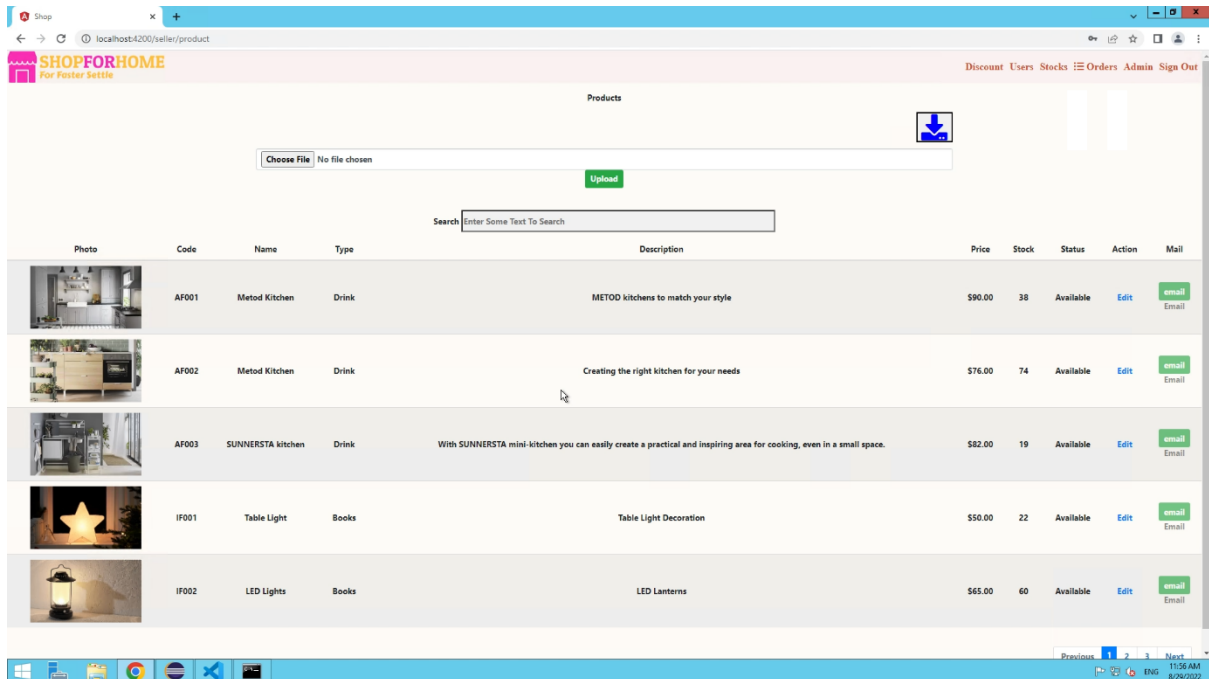
## Cart:







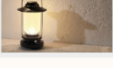
## Search:



## Products page :

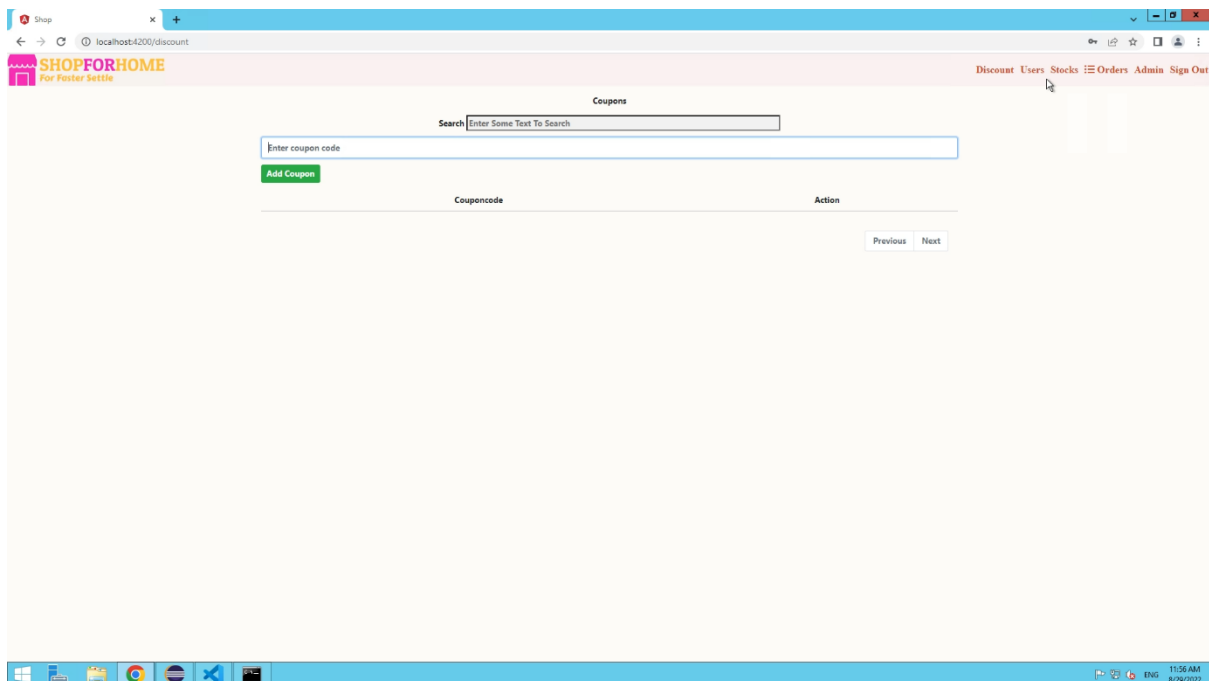


The screenshot shows the 'Products' management page for 'SHOPFORHOME For Faster Settle'. The page includes a header with navigation links: Discount, Users, Stocks, Orders, Admin, and Sign Out. Below the header, there is a 'Products' section with a file upload area (Choose File, No file chosen, Upload) and a search bar (Enter Some Text To Search). The main content is a table listing products with columns: Photo, Code, Name, Type, Description, Price, Stock, Status, Action, and Mail.

Photo	Code	Name	Type	Description	Price	Stock	Status	Action	Mail
	AF001	Metod Kitchen	Drink	METOD kitchens to match your style	\$90.00	38	Available	<a href="#">Edit</a>	<a href="#">Email</a>
	AF002	Metod Kitchen	Drink	Creating the right kitchen for your needs	\$76.00	74	Available	<a href="#">Edit</a>	<a href="#">Email</a>
	AF003	SUNNERSTA kitchen	Drink	With SUNNERSTA mini kitchen you can easily create a practical and inspiring area for cooking, even in a small space.	\$82.00	19	Available	<a href="#">Edit</a>	<a href="#">Email</a>
	IF001	Table Light	Books	Table Light Decoration	\$50.00	22	Available	<a href="#">Edit</a>	<a href="#">Email</a>
	IF002	LED Lights	Books	LED Lanterns	\$65.00	60	Available	<a href="#">Edit</a>	<a href="#">Email</a>

## Discounts page for the admin:

Here admin can add coupons according to the user type.



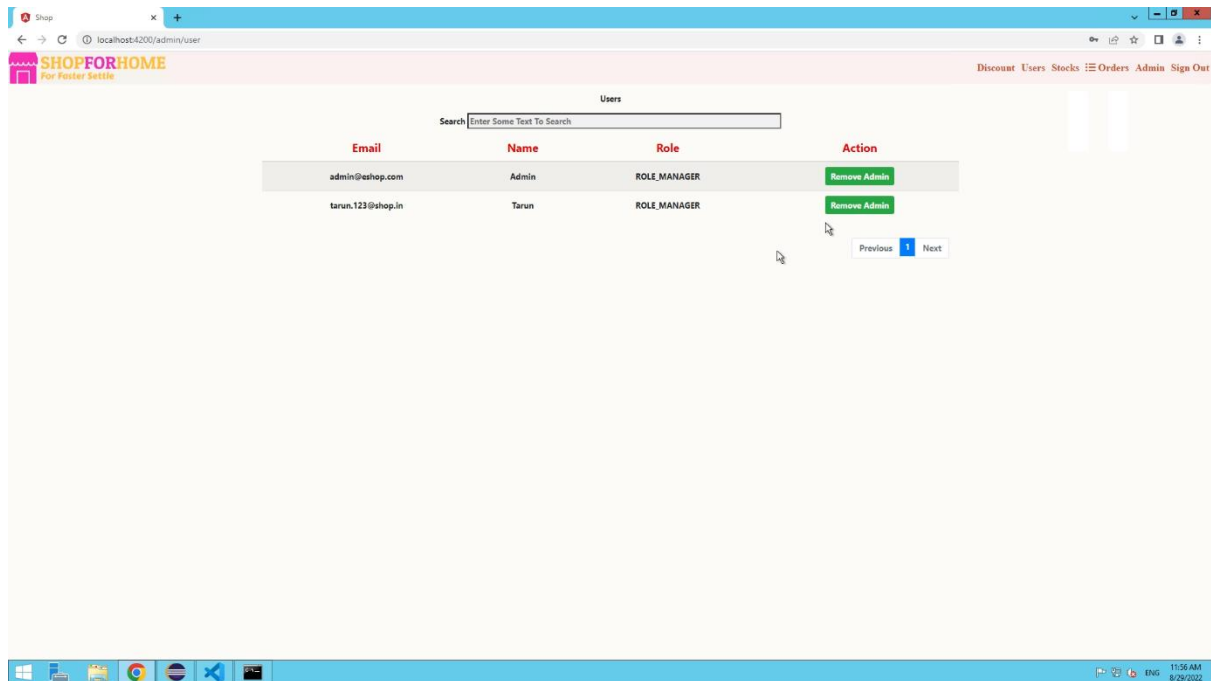
The screenshot shows the 'Coupons' management page for 'SHOPFORHOME For Faster Settle'. The page includes a header with navigation links: Discount, Users, Stocks, Orders, Admin, and Sign Out. Below the header, there is a 'Coupons' section with a search bar (Enter Some Text To Search) and a form to add a coupon (Enter coupon code, Add Coupon). The main content is a table with columns: Couponcode and Action. The table is currently empty, and there are 'Previous' and 'Next' buttons at the bottom.

Couponcode	Action
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## Add Admin or remove admin :

Here all the users can be shown an admin will be able to remove the admins or users.



## Orders section :



Shop

localhost:4200/orders

Shopping Cart

Wishlist

Orders

Tarun

Sign Out

SHOPFORHOME

For Foster Settle

Lighting

Decoration

HomeSmart

Kitchen&Appliances

Orders

Order #	Customer Name	Customer Email	Customer phone	Shipping Address	Total	Order Data	Status	Action
8	Tarun	tarun.123@shop.in	1234567890	us-west-2-a	\$133.00	Aug 29, 2022	New	Show Cancel
5	Tarun	tarun.123@shop.in	1234567890	us-west-2-a	\$172.00	Aug 29, 2022	New	Show Cancel

PreviousNext

Windows

Google

11:25 AM

8/29/2022