CS6006 - CLOUD COMPUTING
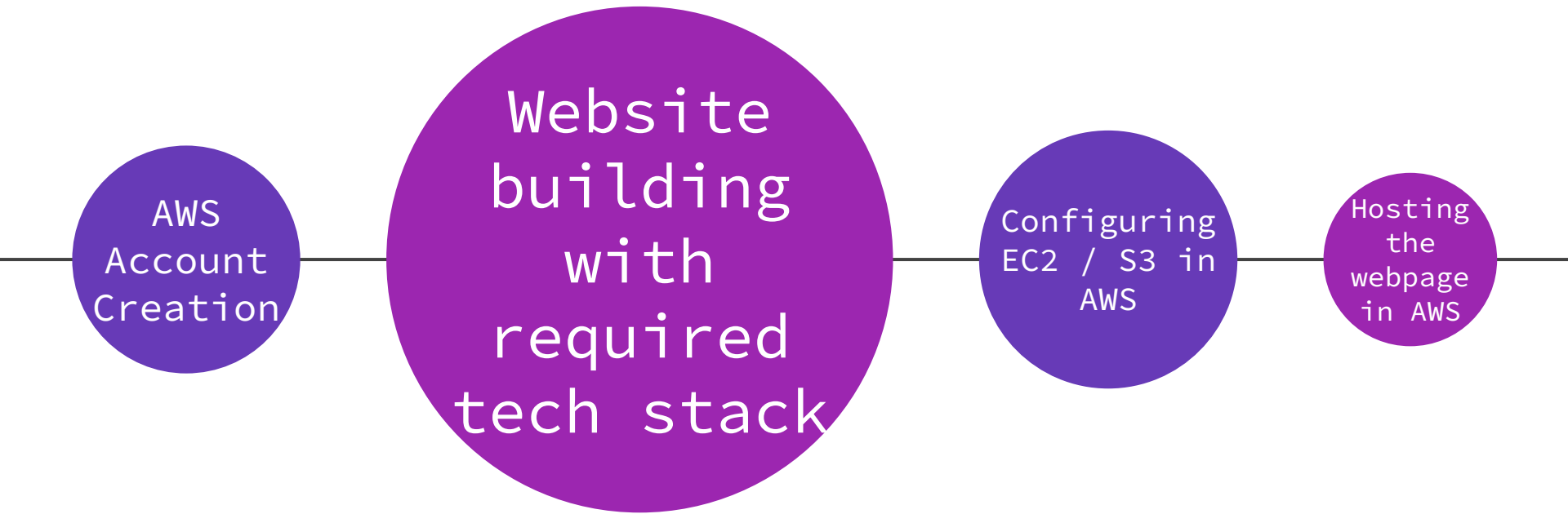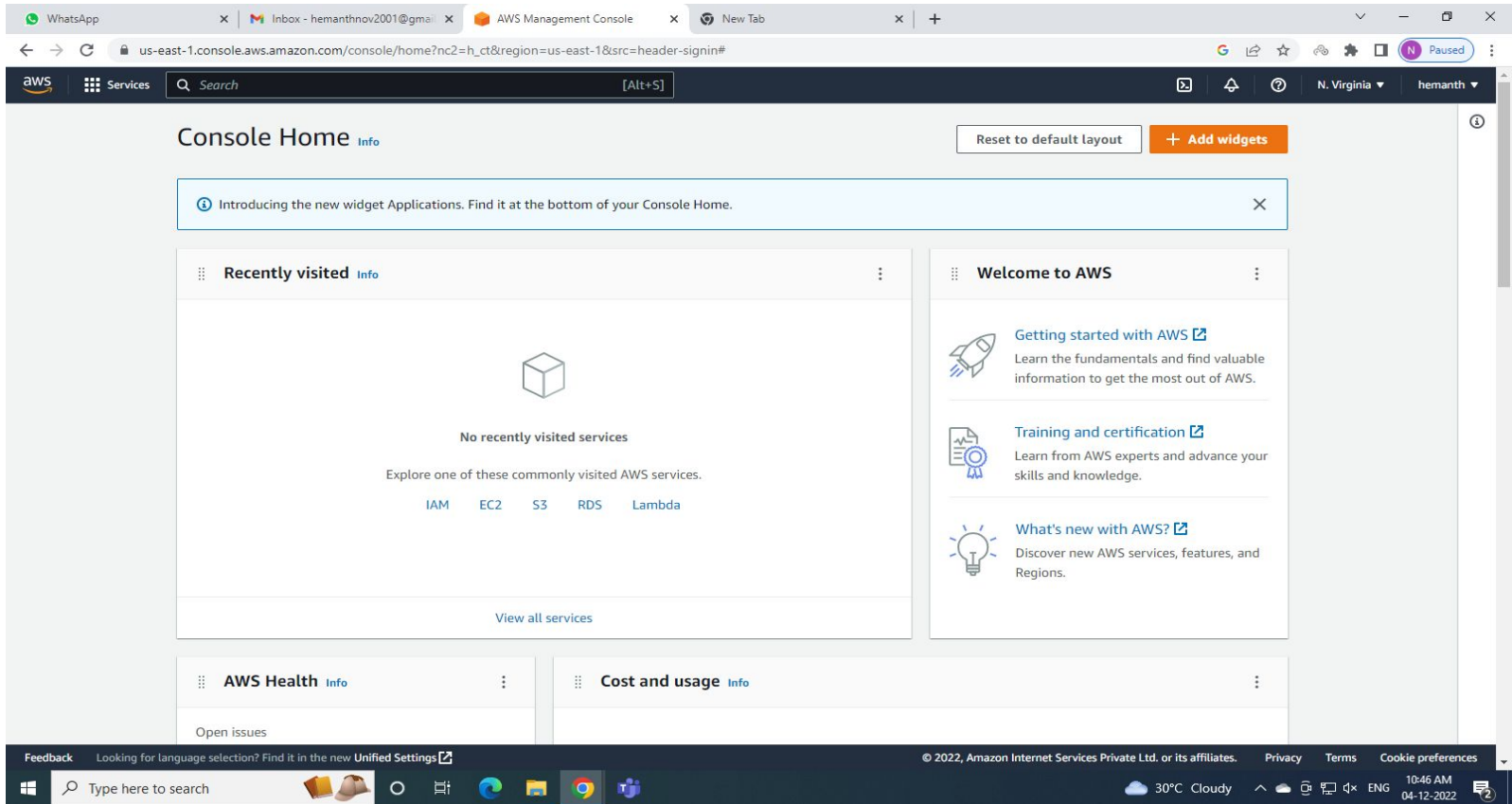
CLOUD HOSTING PLATFORM - PROJECT

HEMANTH N - 2019503519

PROCEDURE TO HOST THE WEBPAGE CREATED

AWS Account Creation

Website building with required tech stack

Configuring EC2 / S3 in AWS

Hosting the webpage in AWS

Console Home of my AWS account

The features that are provided by the Amazon EC2

- It provides instances
- It has multiple templates with software configurations. These are known as Amazon Machine Images(AMIs).
- Instance types include CPU configurations, storage, memory, and also the networking capacity of the instance.
- Key pairs provide secure login information.
- Temporary data such as data that was deleted is known as instance store volumes
- Multiple physical locations are available across the globe
- For dynamic cloud computing, the static IPv4 addresses are known as Elastic IP Addresses and many more.

Payment Due in the account created

Bucket Creation
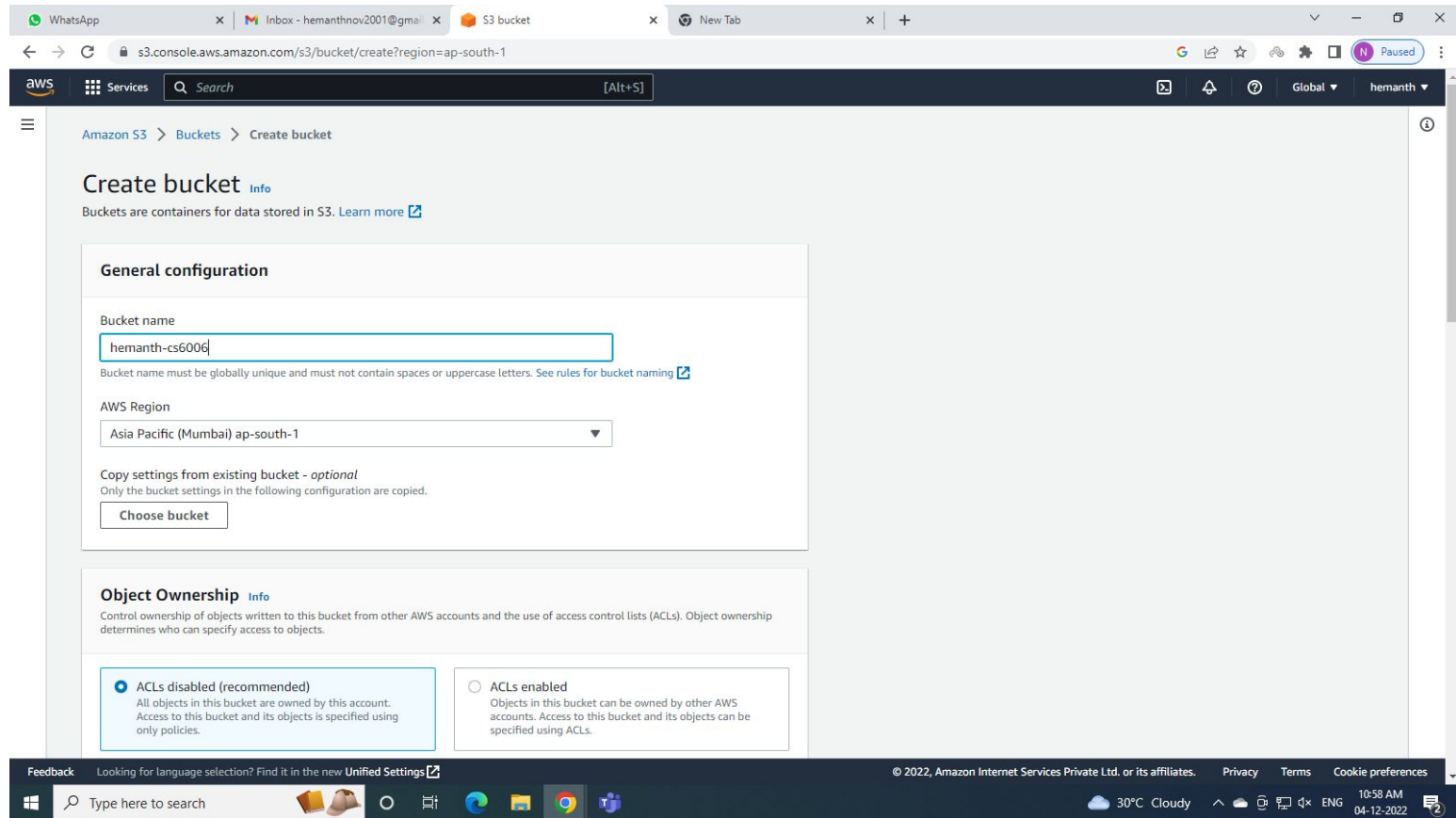
Bucket created with the name hemanth-cs6006

Adding files to bucket

Dynamic pages creation

Name	Date modified	Type	Size
css	01-07-2021 04:01 PM	File folder	
img	01-07-2021 04:01 PM	File folder	
sql	01-07-2021 04:01 PM	File folder	
config	01-07-2021 04:23 PM	PHP File	1 KB
createuser	10-11-2020 01:09 AM	PHP File	3 KB
index	10-11-2020 01:09 AM	PHP File	3 KB
LICENSE	10-11-2020 01:09 AM	File	2 KB
navbar	10-11-2020 01:09 AM	PHP File	1 KB
README	10-11-2020 01:09 AM	MD File	1 KB
selecteduserdetail	10-11-2020 01:09 AM	PHP File	6 KB
transactionhistory	10-11-2020 01:09 AM	PHP File	3 KB
transfermoney	10-11-2020 01:09 AM	PHP File	3 KB

Quickly Transfer Money

This Banking System allows you to transfer money between various accounts with just a click. No accounts needed. View all Customers and Begin Now.

START NOW   VIEW TRANSACTIONS
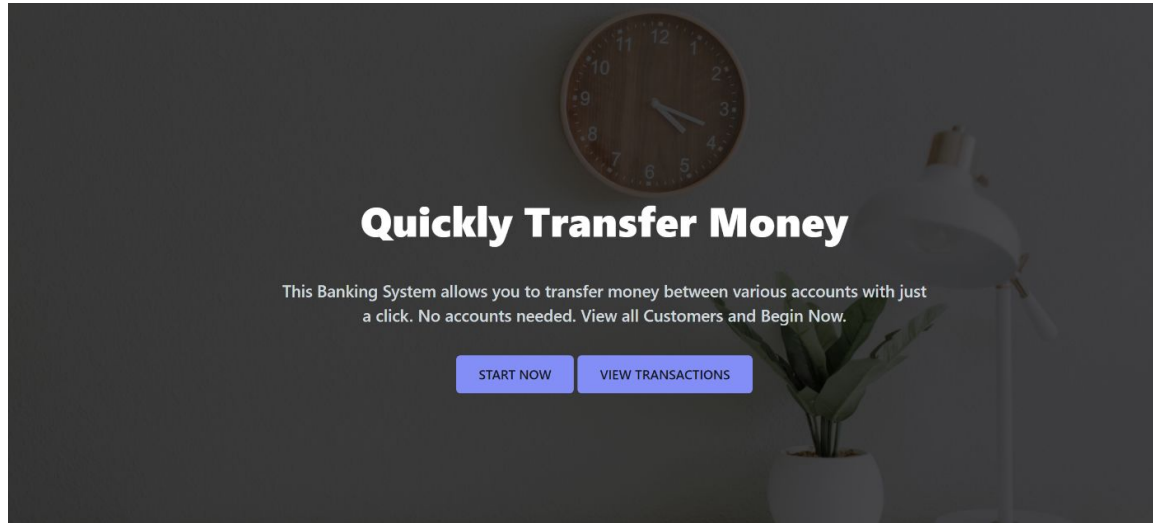
Adding dynamic pages and sql creation in AWS

Setting up MySQL

Install dependencies Execute the following commands to install LAMP stack:

```
sudo apt-get update

sudo apt-get install apache2

sudo apt-get install mysql-server

sudo apt-get install php libapache2-mod-php php-mysql
```
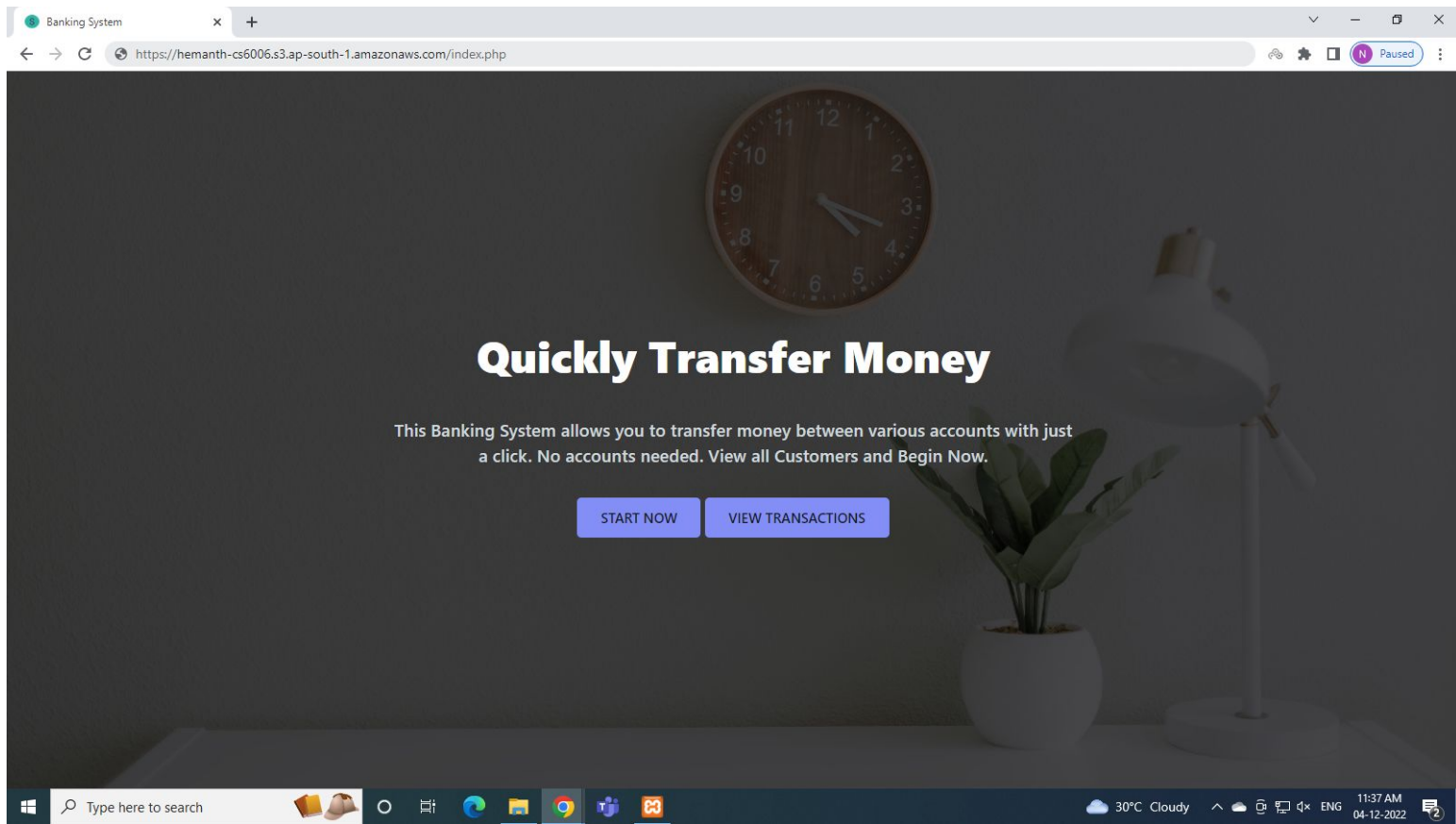
— — —

Hosting the dynamic page

For hosting a dynamic website on AWS, you need to use EC2 product. S3 is only used for storage and static website hosting. Other than EC2, you can also use Lightsail, which is basically a VPS. For hosting on EC2, you will need to launch an empty and install LAMP or any PHP based stack you have on the server. If you have already launched a Drupal on it, then you can simply uninstall the Drupal files or remove them. You will then have the PHP based stack on the server only.

Launching an EC2 instance

`https://hemanth-cs6006.ec2.ap-south-1.amazonaws.com/index.php`

All Users

Id	Username	Email	Balance	Send Money Now
1	Adam	adam@gmail.com	₹ 590	TRANSACT NOW
2	Ben	ben@gmail.com	₹ 640	TRANSACT NOW
3	Chris	chris@gmail.com	₹ 5050	TRANSACT NOW
4	Darcey	darcey@gmail.com	₹ 10010	TRANSACT NOW
5	Elijah	elijah@gmail.com	₹ 15100	TRANSACT NOW
6	Fiona	fiona@gmail.com	₹ 20000	TRANSACT NOW
7	Grace	grace@gmail.com	₹ 31100	TRANSACT NOW
8	Henry	henry@gmail.com	₹ 48000	TRANSACT NOW

https://hemanth-cs6006.ec2.ap-south-1.amazonaws.com/all.php

https://hemanth-cs6006.ec2.ap-south-1.amazonaws.com/transact.php

https://hemanth-cs6006.ec2.ap-south-1.amazonaws.com/transact.php

https://hemanth-cs6006.ec2.ap-south-1.amazonaws.com/transact.php

https://hemanth-cs6006.s3.ap-south-1.amazonaws.com/transactions.php
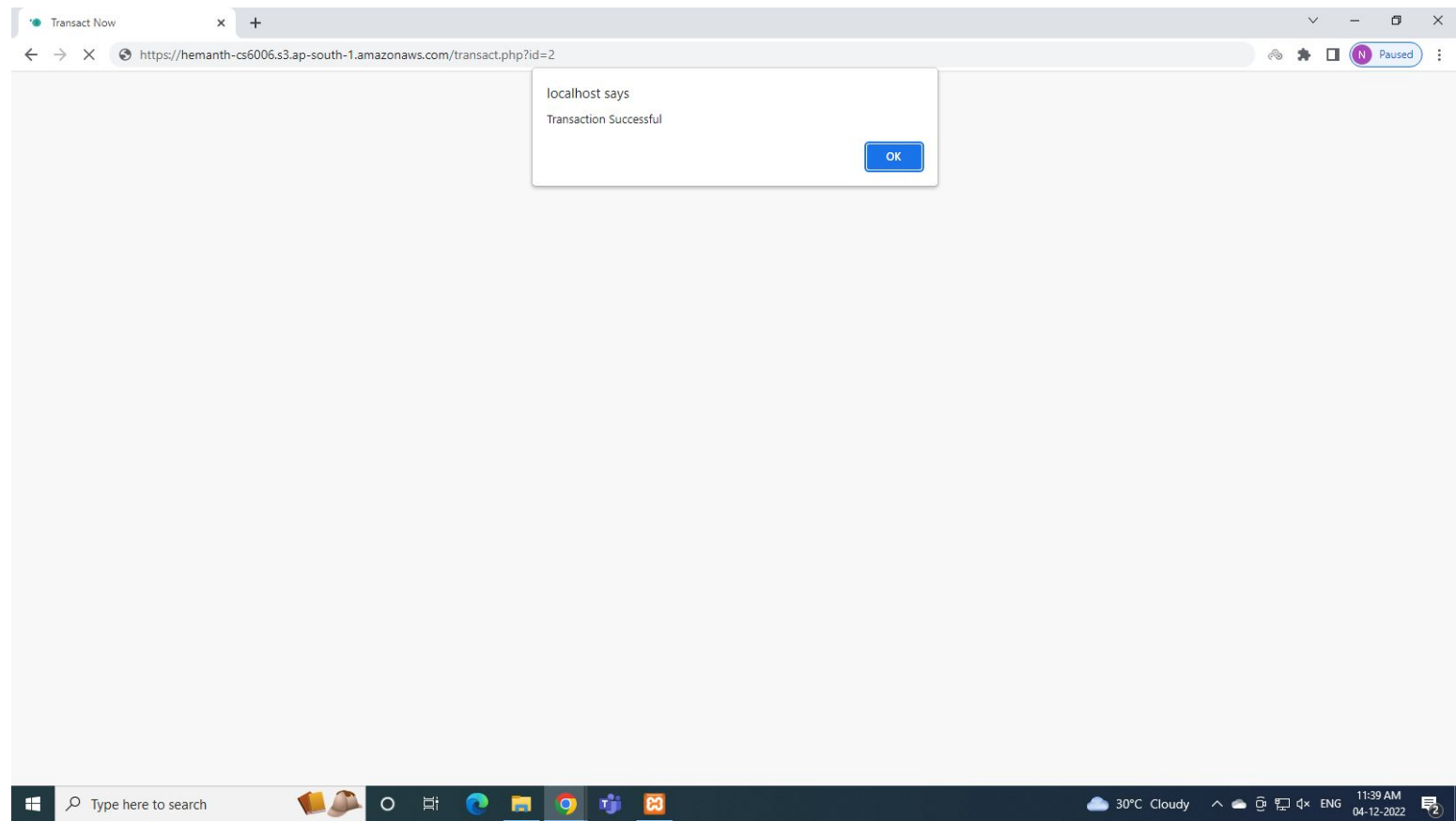
All Transactions

🏠

Transaction Id	From	To	Money Transfered
1	6	7	₹ 1000
2	8	6	₹ 1000
3	6	8	₹ 1000
4	3	2	₹ 10
5	3	2	₹ 10
6	1	3	₹ 120
7	3	1	₹ 100
8	9	10	₹ 1000
9	2	1	₹ 100
10	2	1	₹ 10
11	2	5	₹ 10

https://hemanth-cs6006.ec2.ap-south-1.amazonaws.com/transactions.php

Delete the EC2 instance for avoiding payment problems

Delete the Ec2 instance after usage, since it is not available for free tier for many hours. Only for a limited time, it is free.

Else the user may be required to pay amount as requested by AWS pertaining to the terms and conditions.

— — —

THANK YOU !!!

— — —

HEMANTH N
2019503519