Nguyen Gia Binh - 104219428

ASSIGNMENT 2

Name: Nguyen Gia Binh

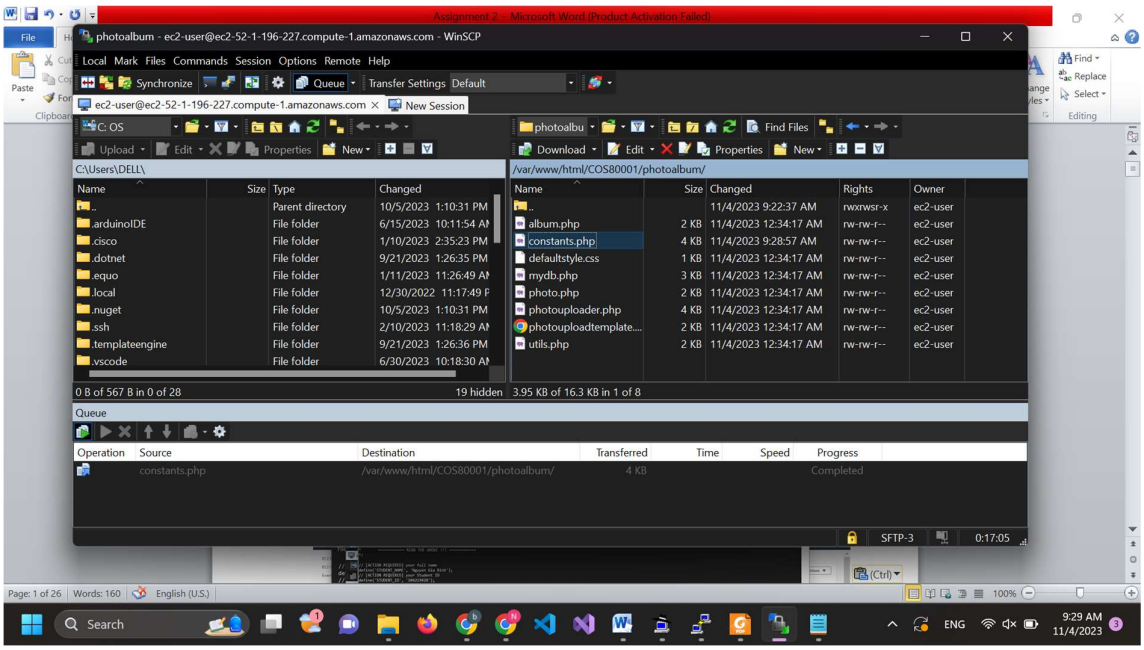
StudentID: 104219428

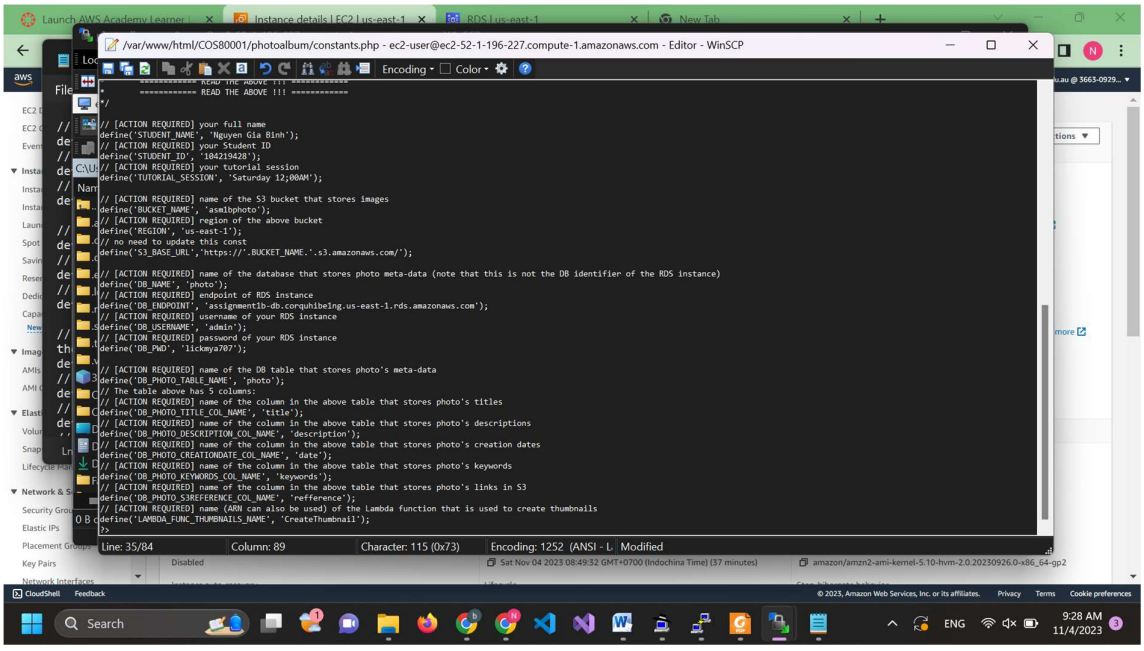
Tutorial time: Saturday 10:00AM

Date of Submission: 04/11/2023

Task 1: Functional requirements of Photo Album website

1.1: Modify constant.php





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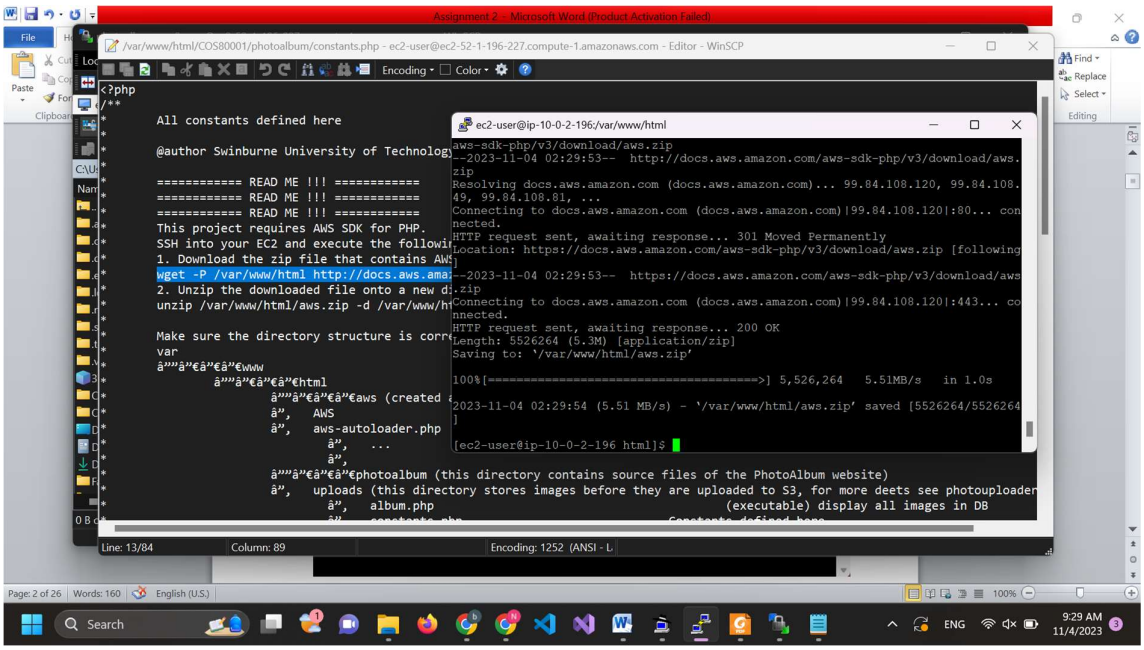
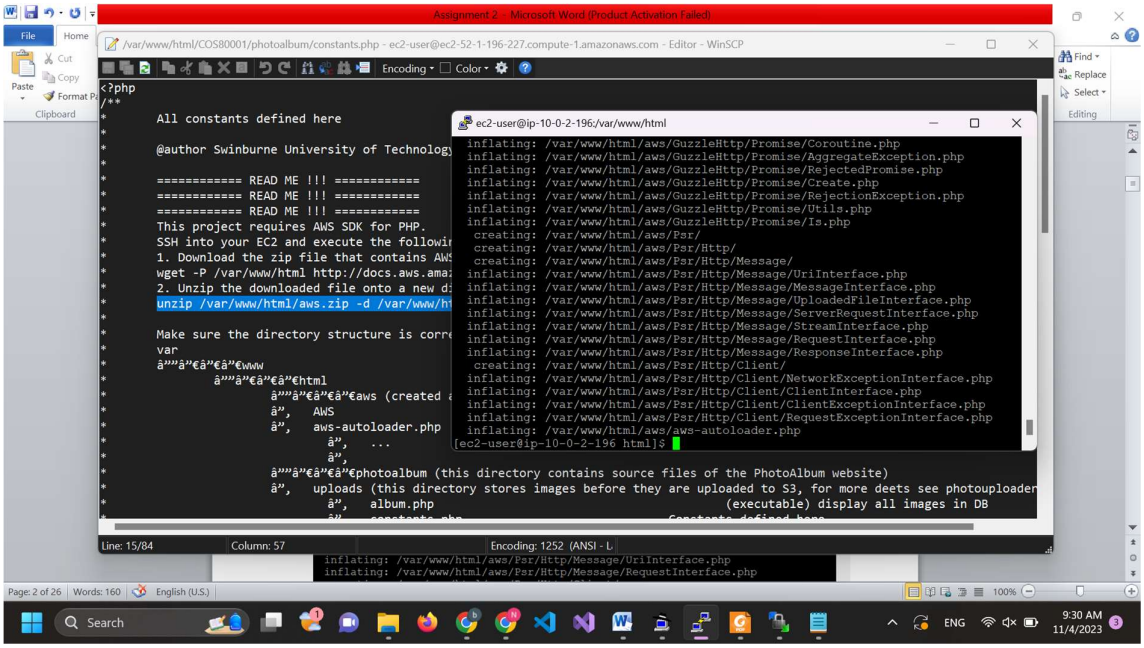
1.2: Download the zip file that contain AWS SDK PHP and unzip it





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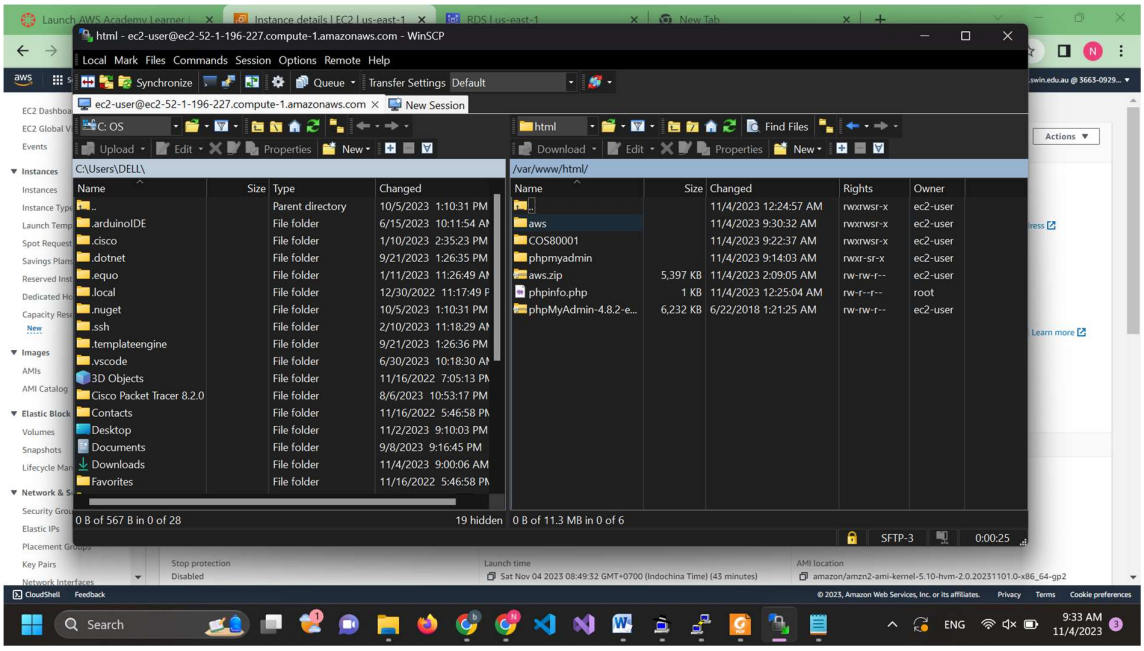
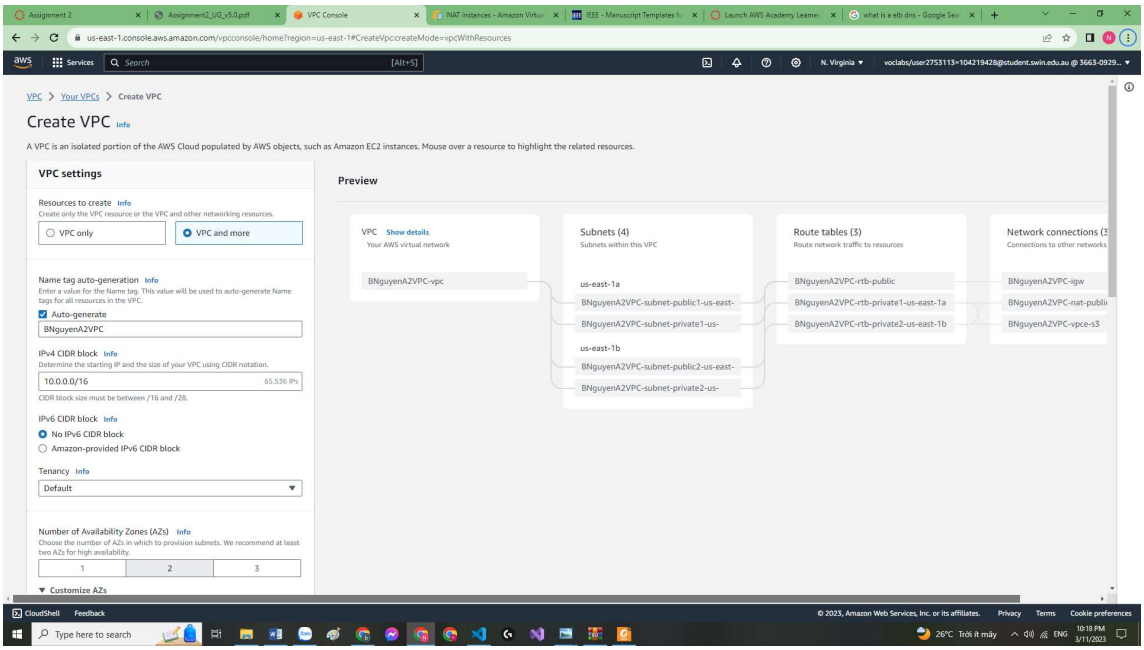


Task 2:

2.1: Create a VPC and NAT Gateway



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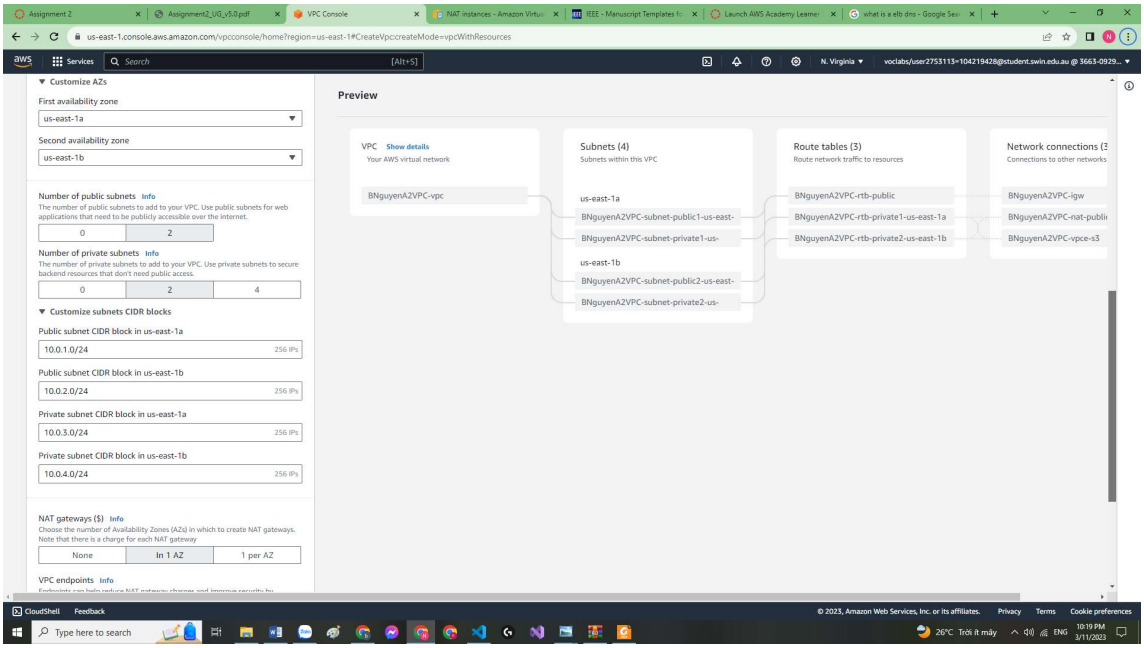

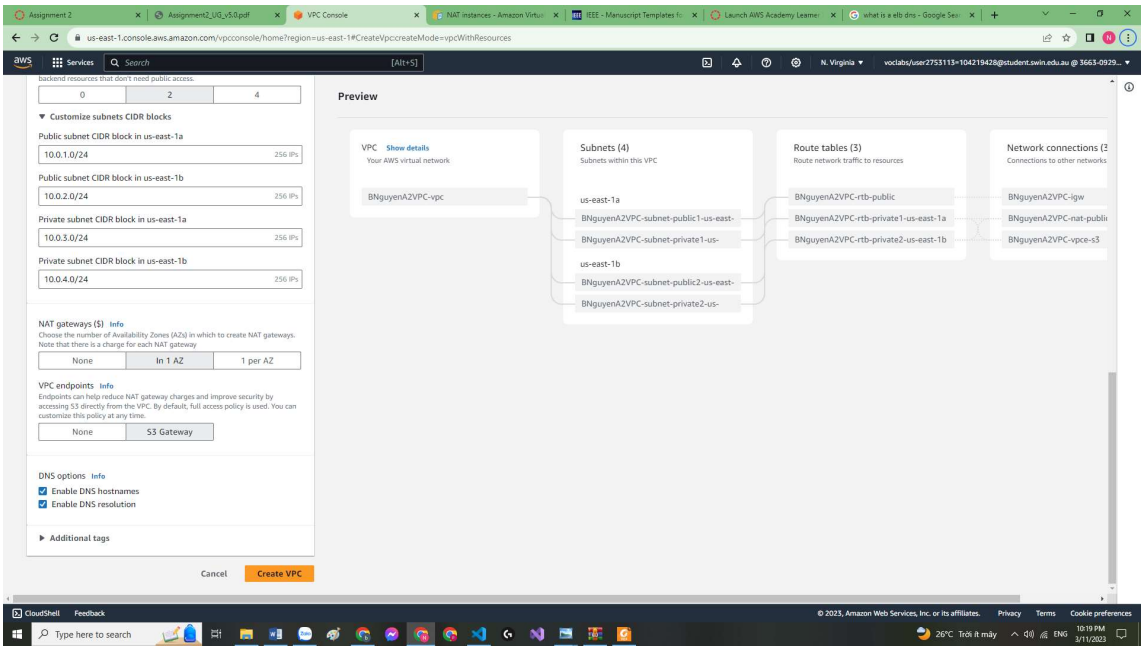

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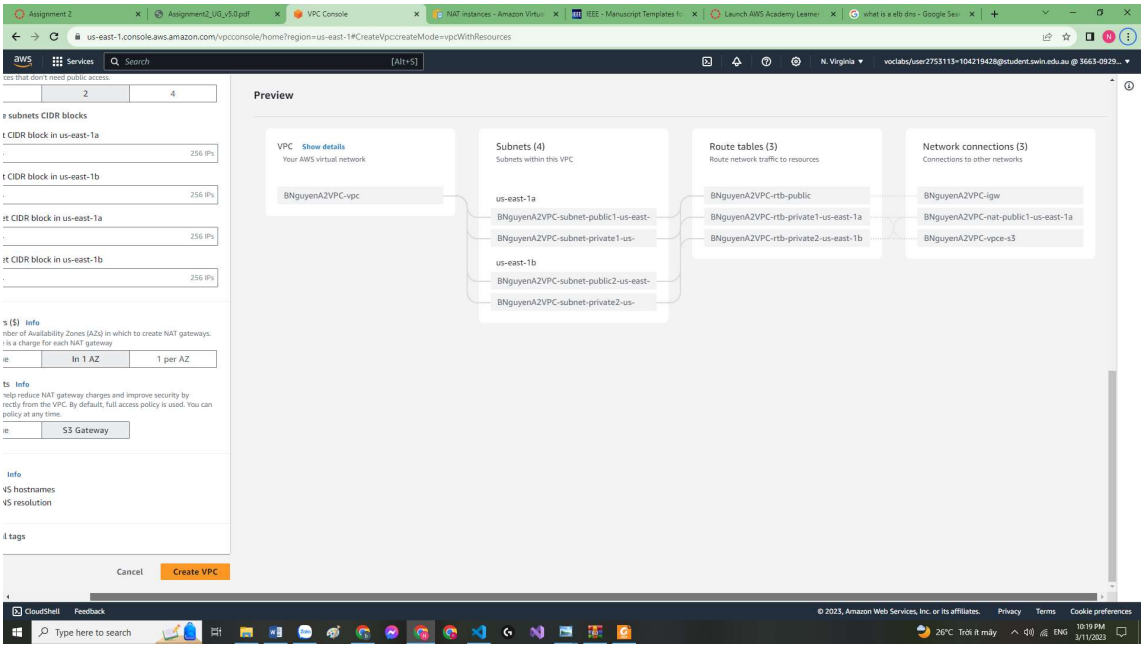

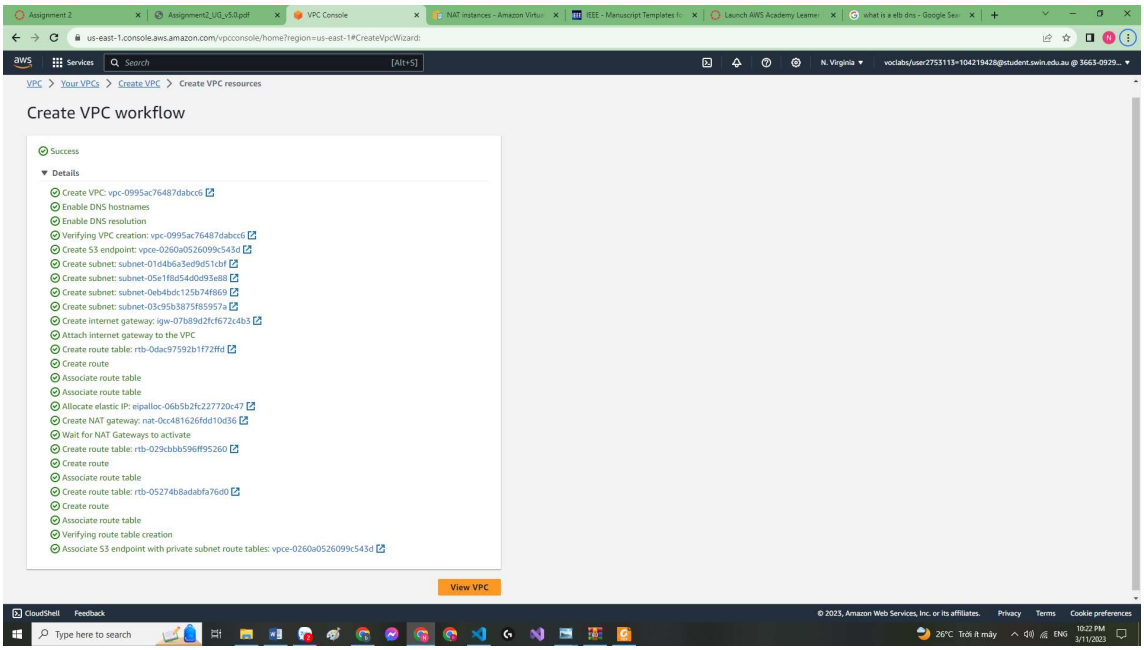

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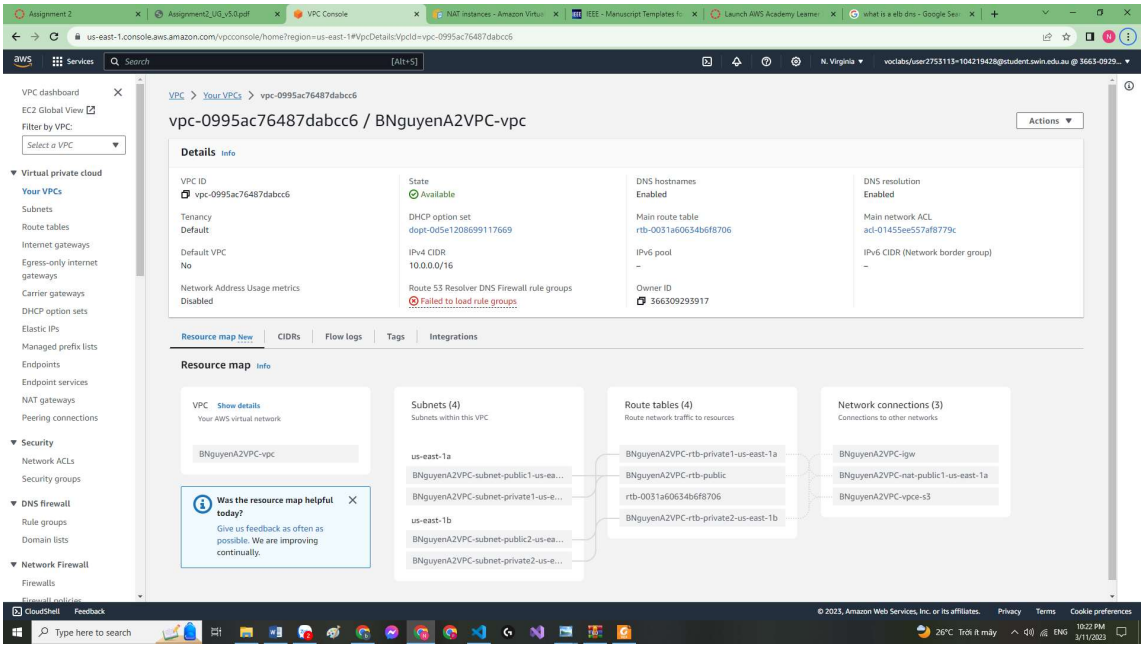
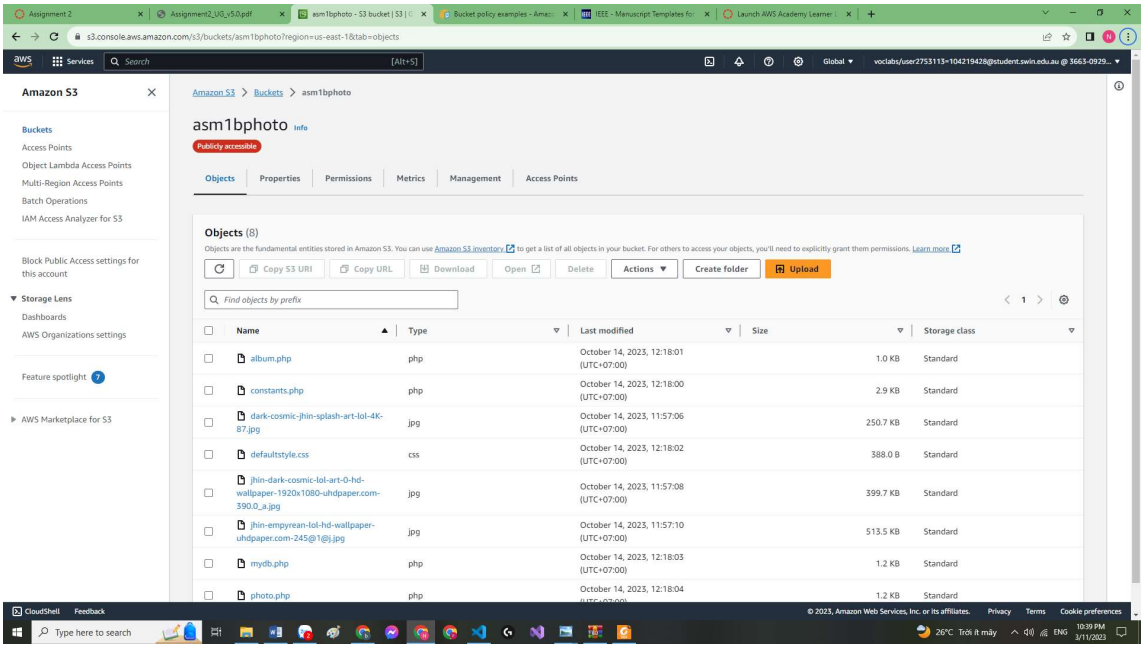


2.2: S3 bucket (re-use the one from asm1b)



Put the photo into your RDS database using the object URL and SQL

https://asm1bphoto.s3.amazonaws.com/dark-cosmic-jhin-splash-art-lol-4K-87.jpg

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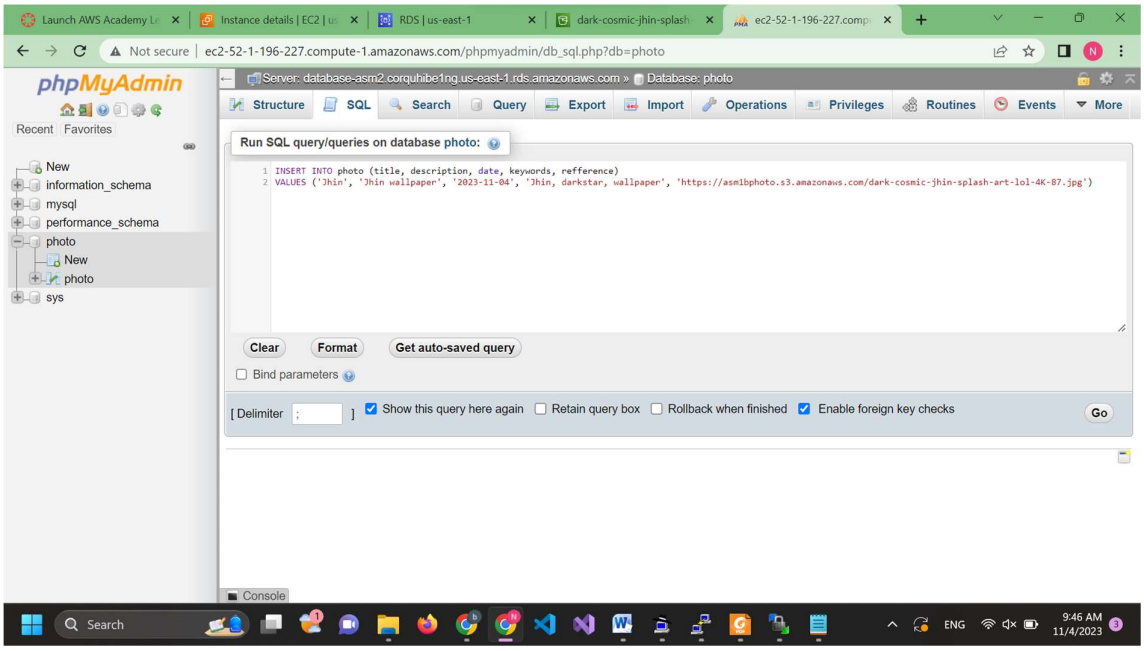

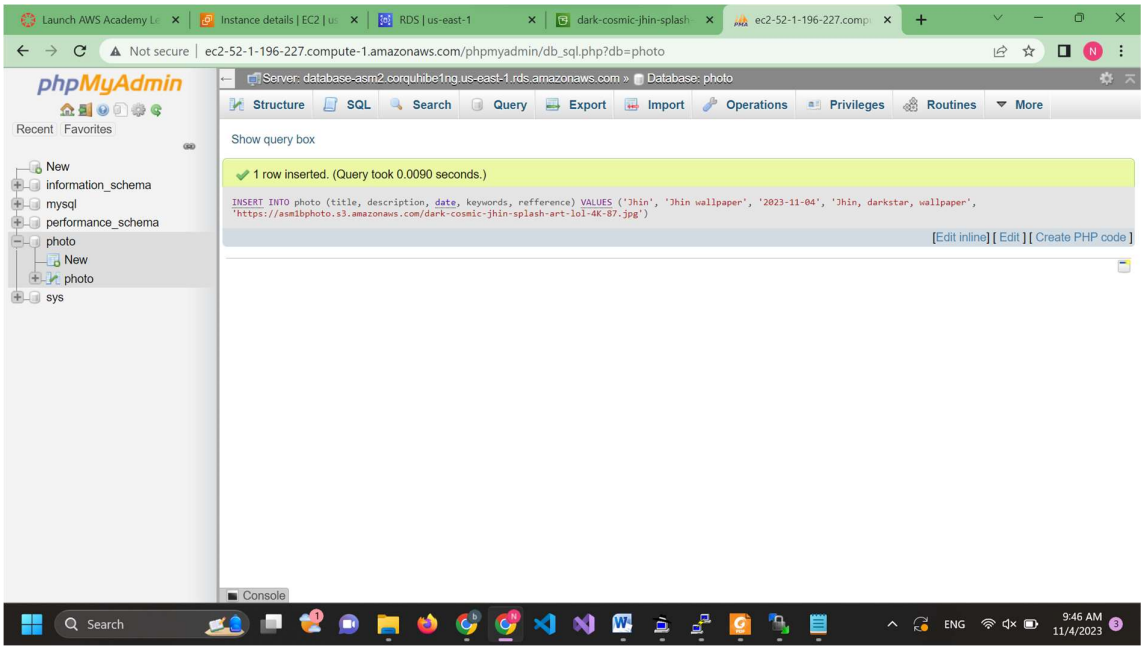

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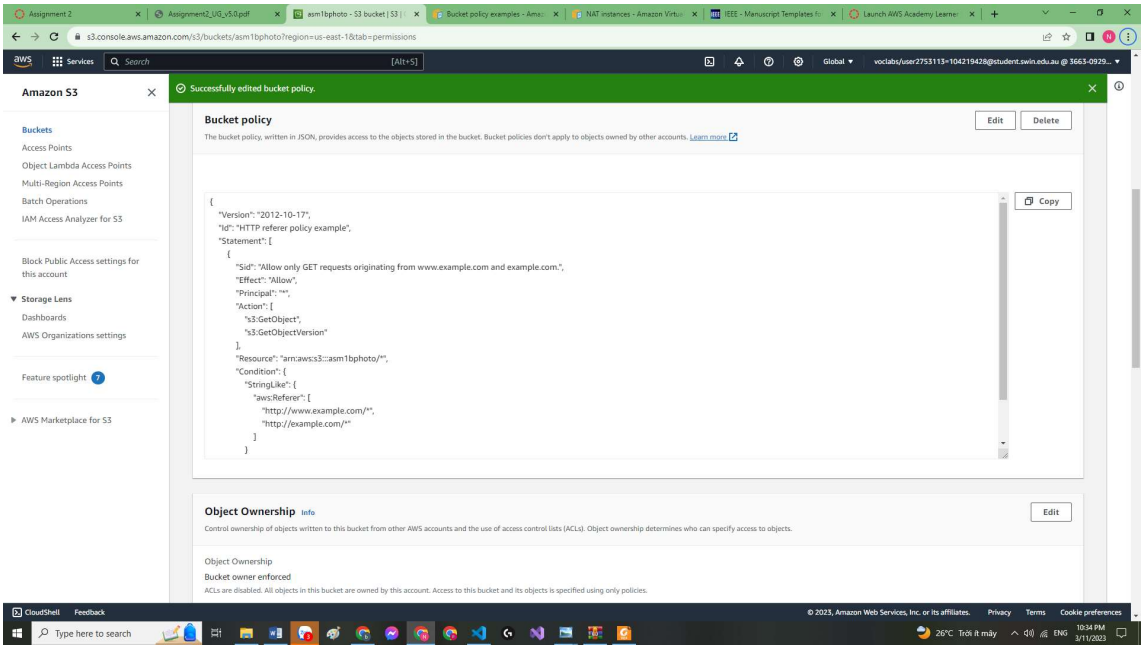
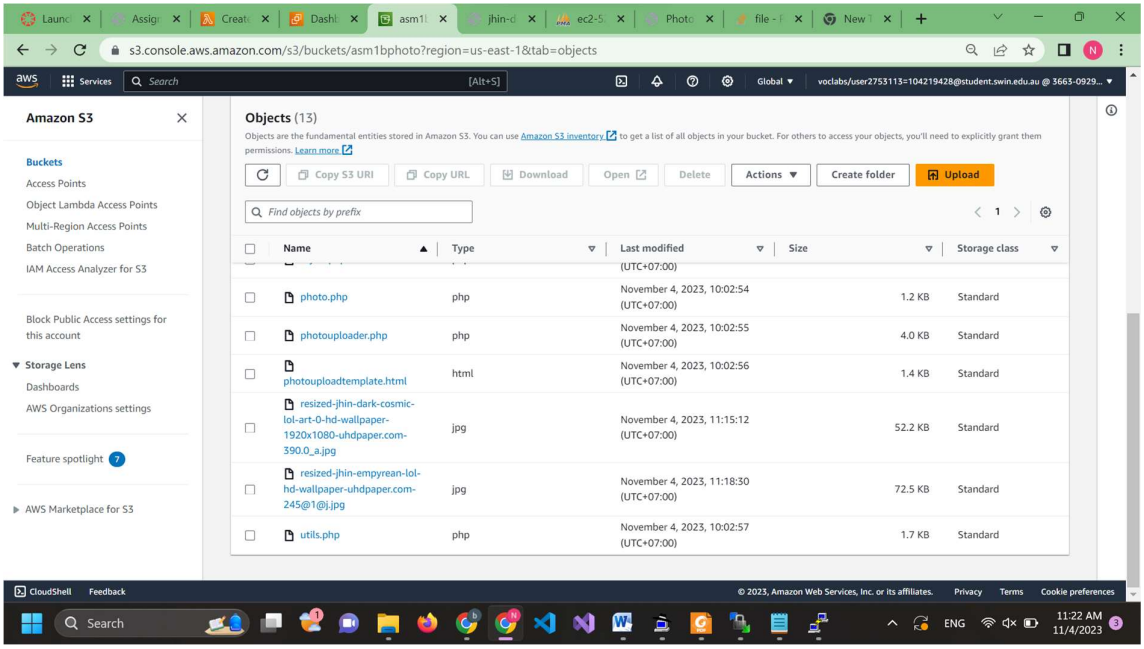
2.2.1: Change bucket policy to restricts access to a specific HTTP referrer



2.2.2: Tetsing photo resize



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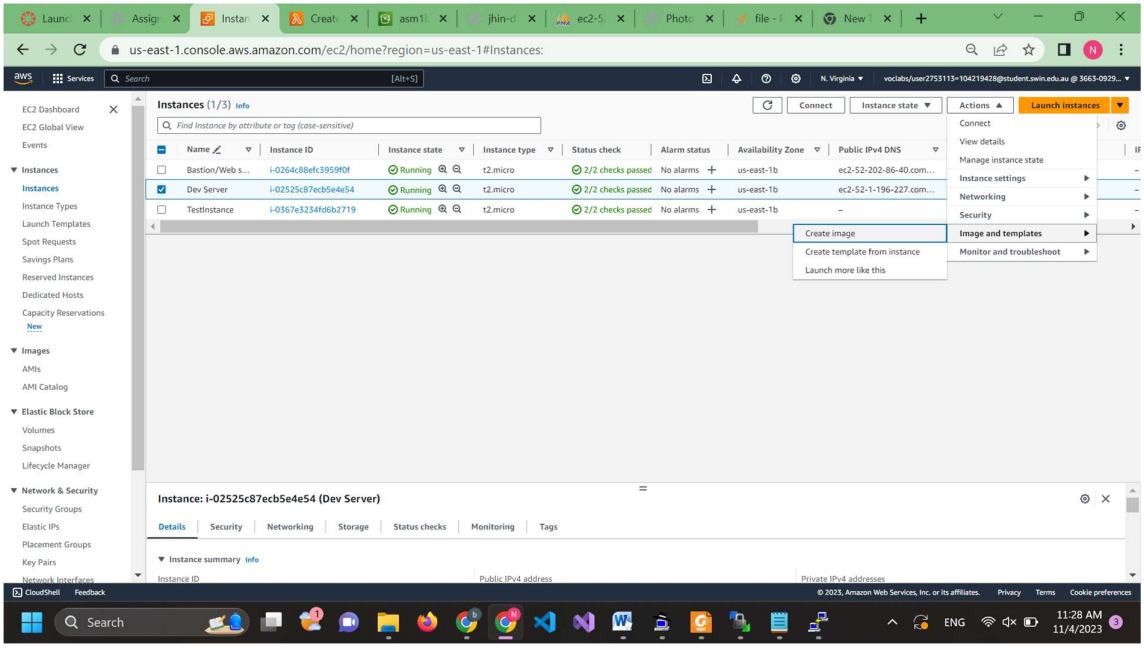
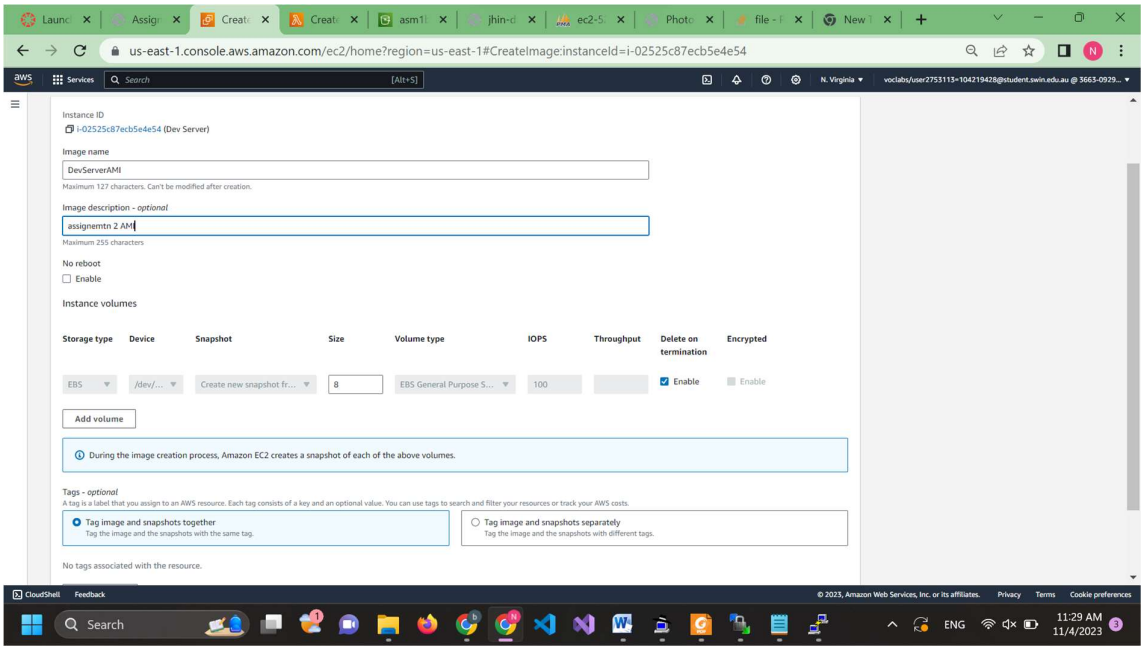
2.3: Load balancer

2.3.1:Create custom AMI





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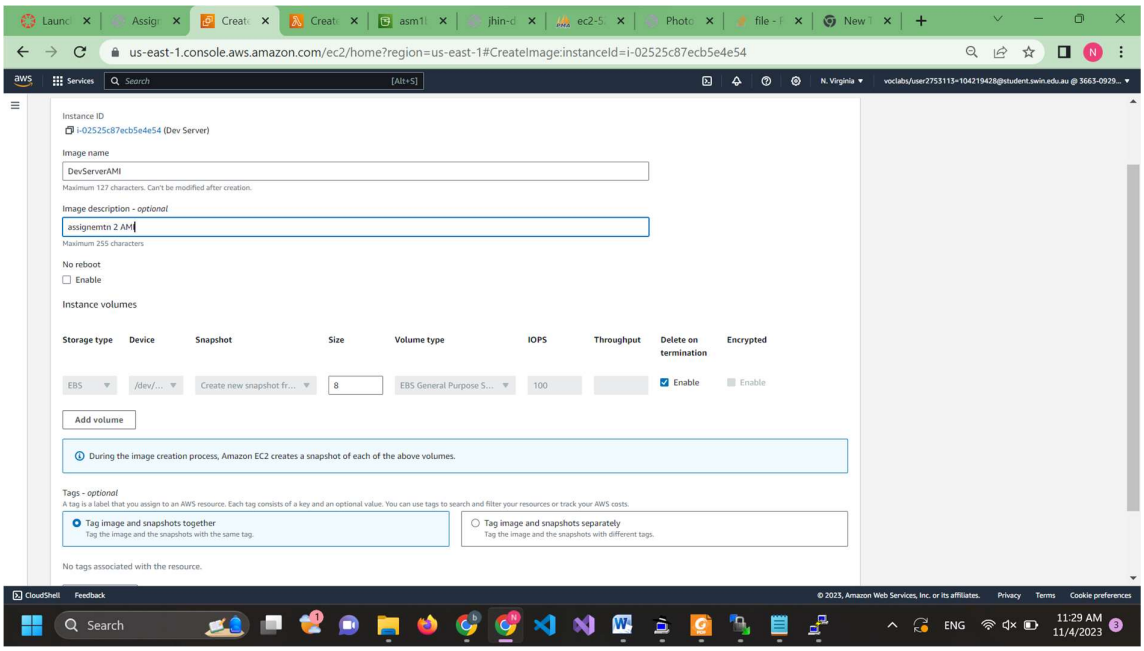
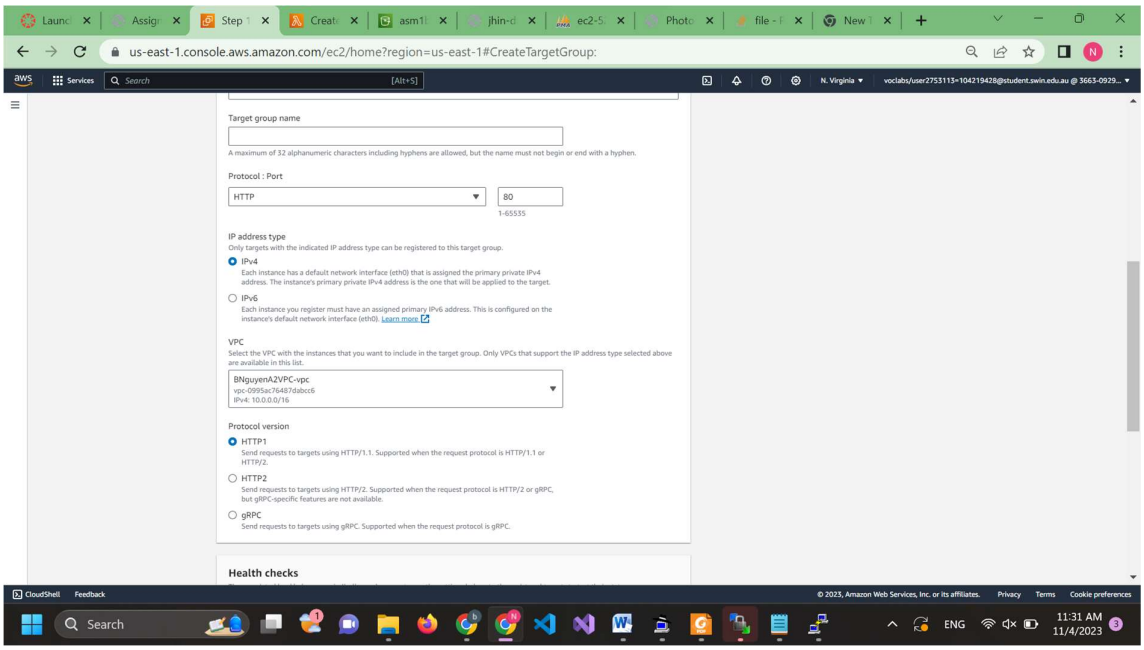
2.3.3: Create target group





Target group name is: TargetgroupA2

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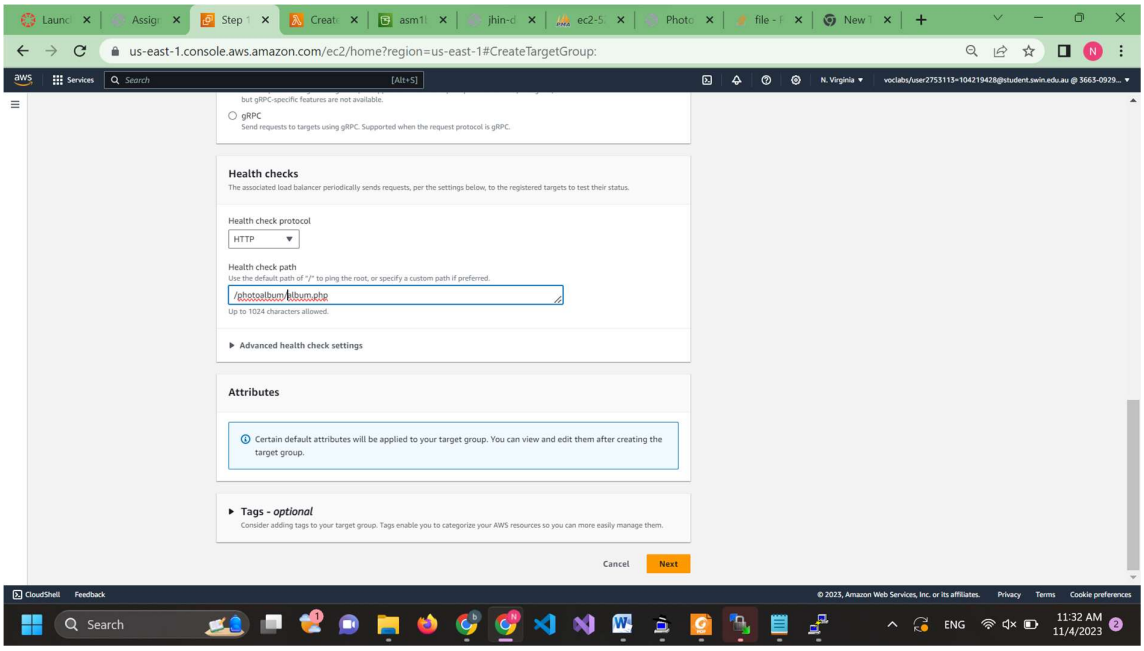

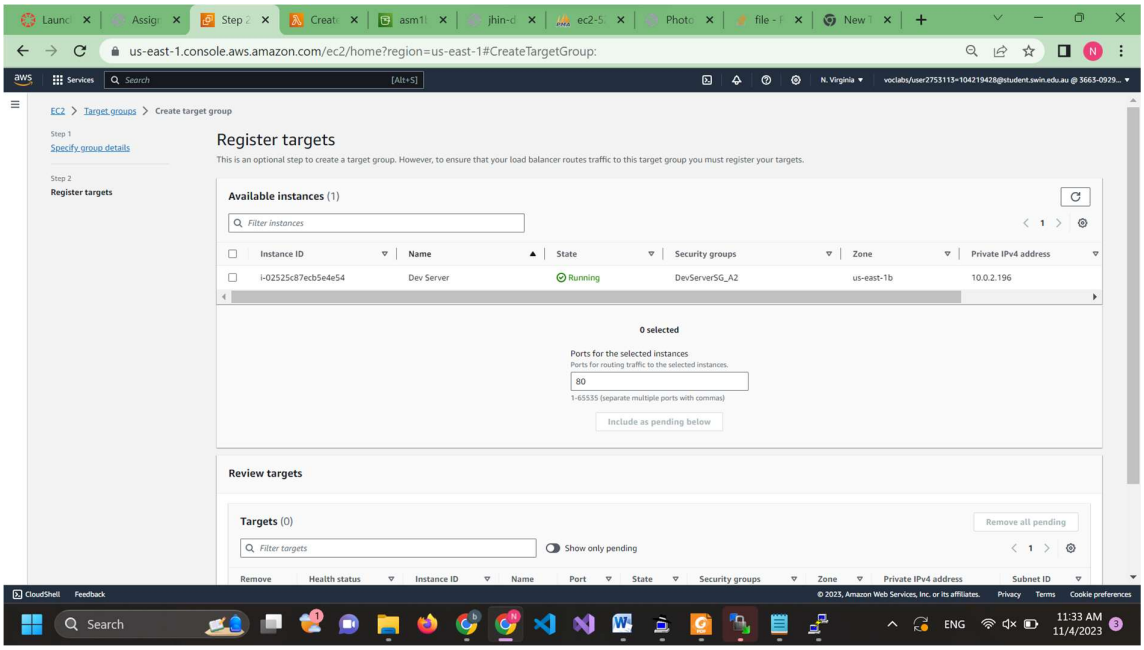

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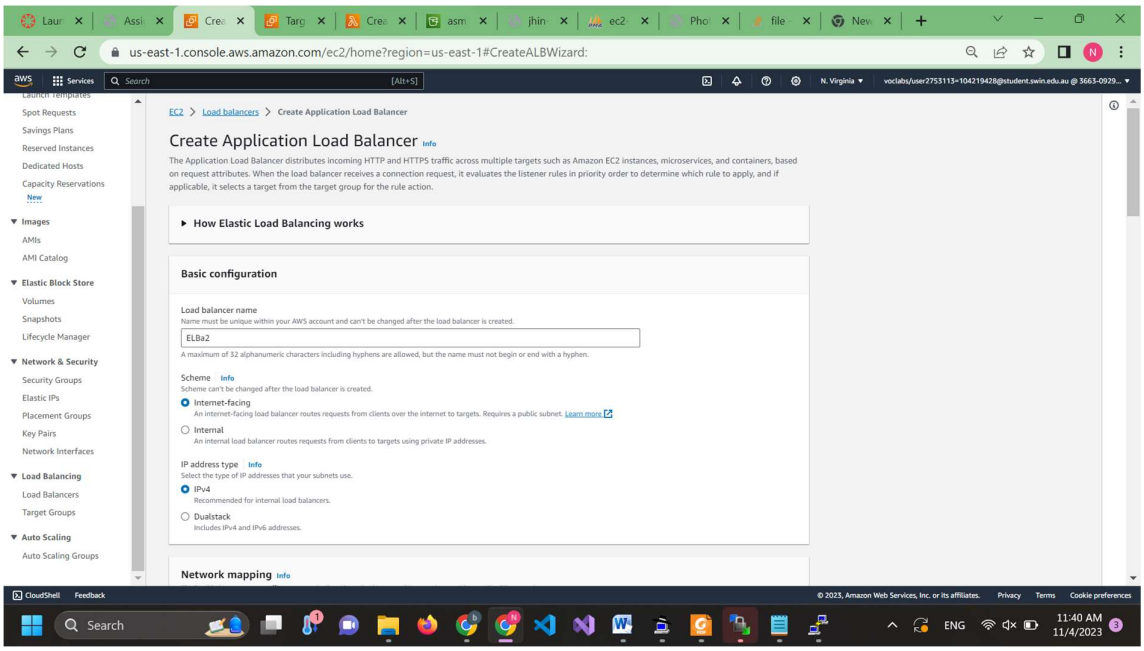
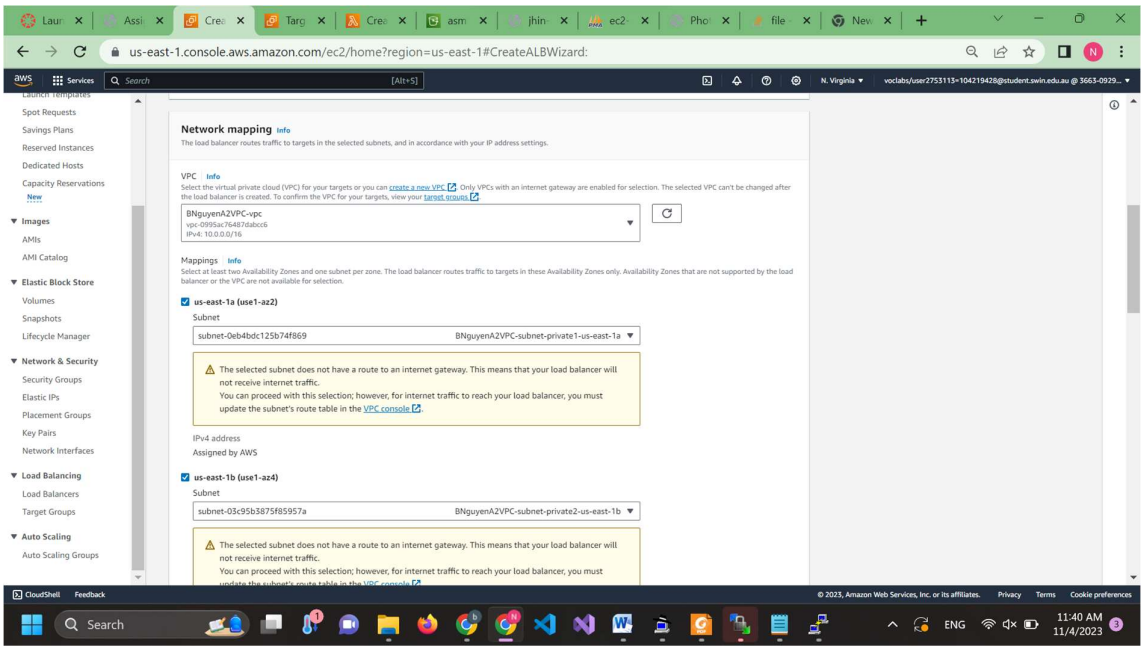
2.3.4: Create load balancer





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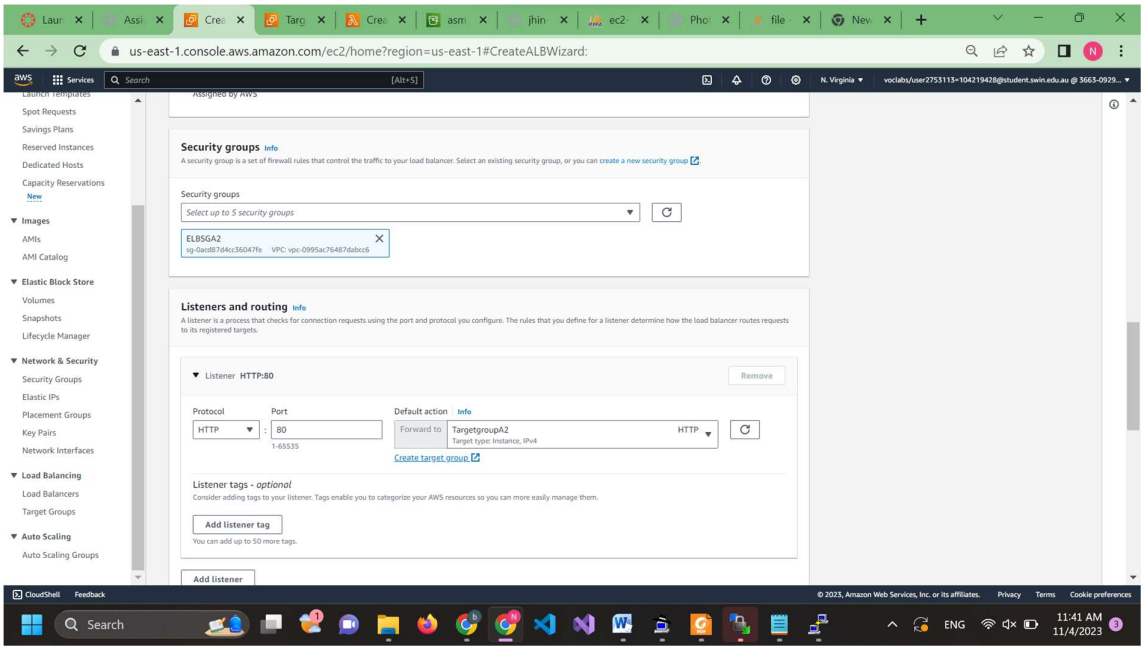

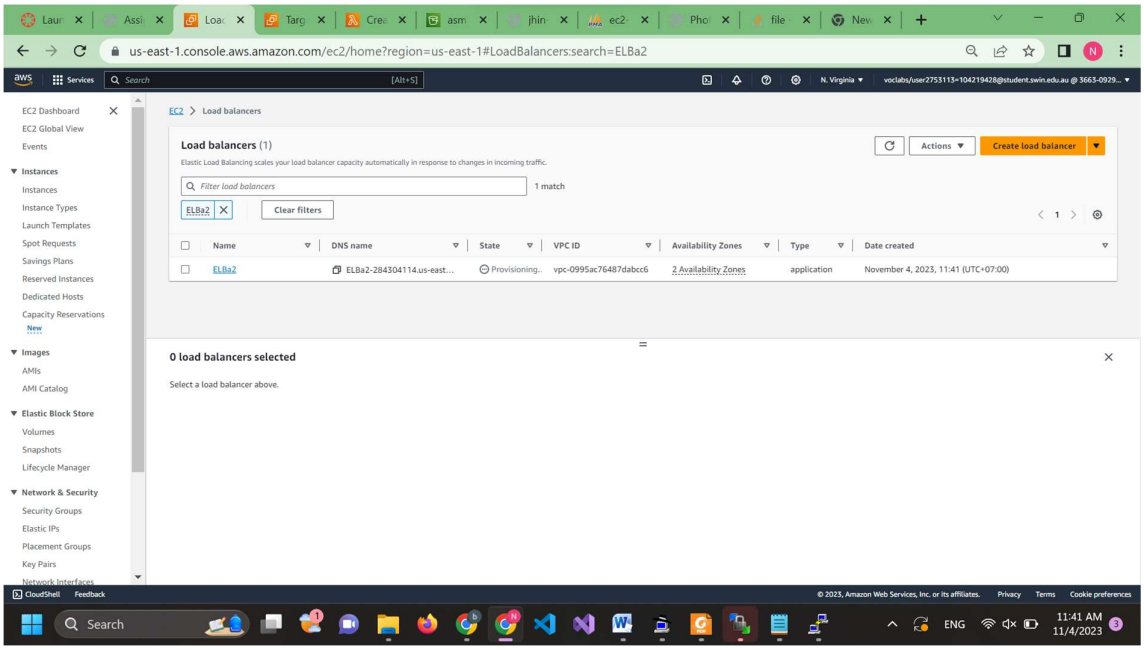

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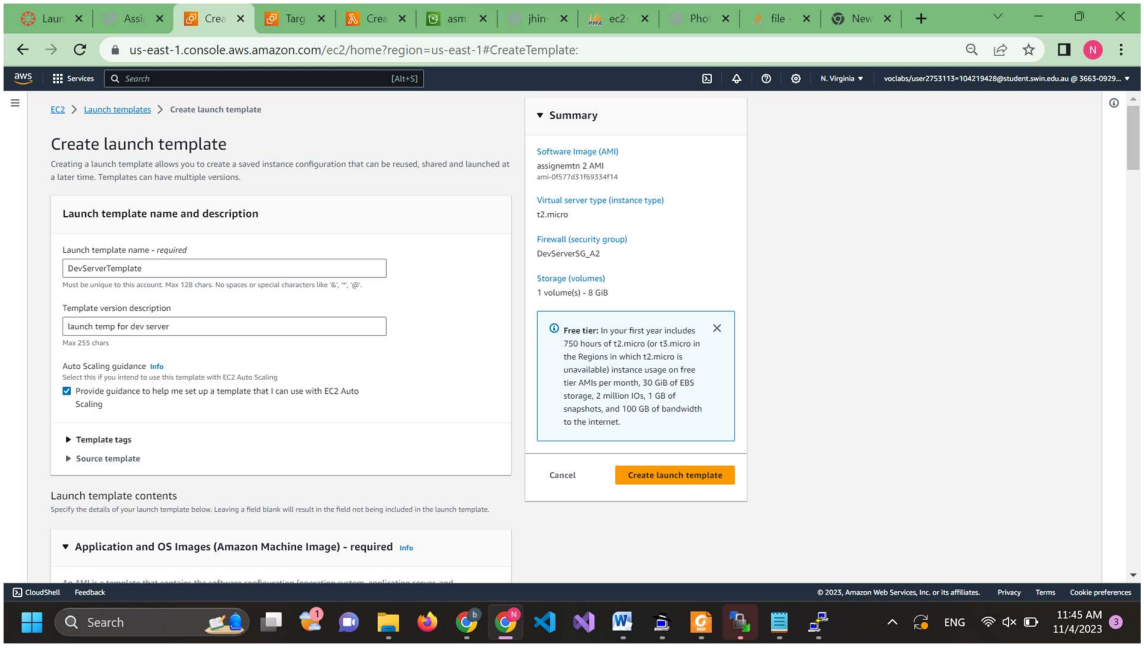
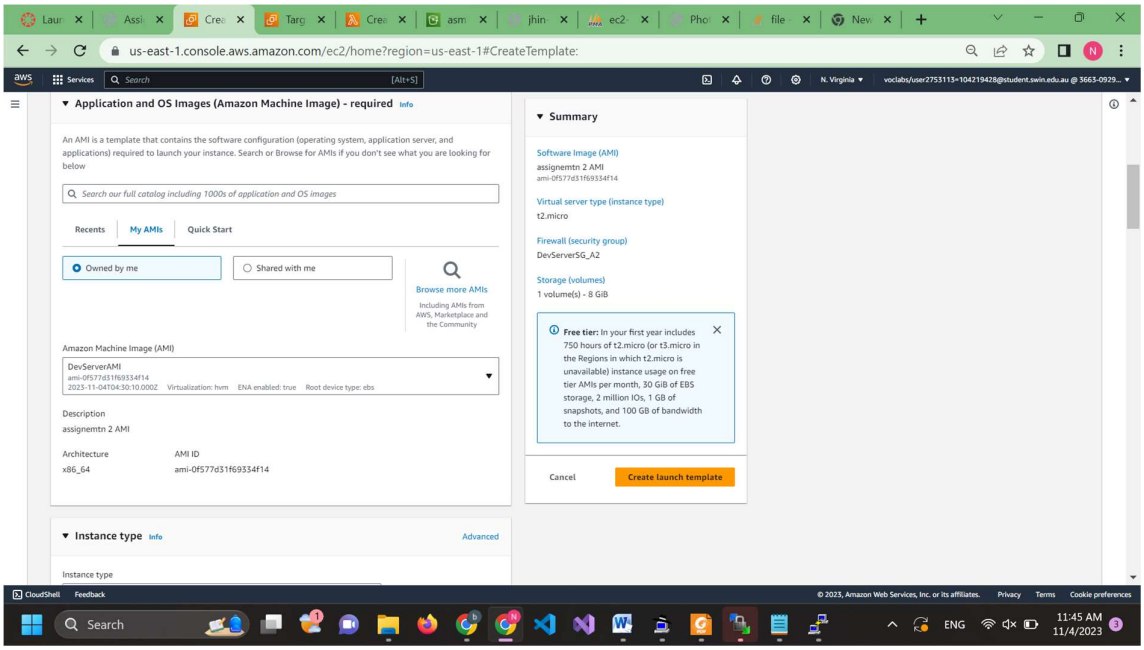
2.4: Auto Scaling

2.4.1: Create launch template





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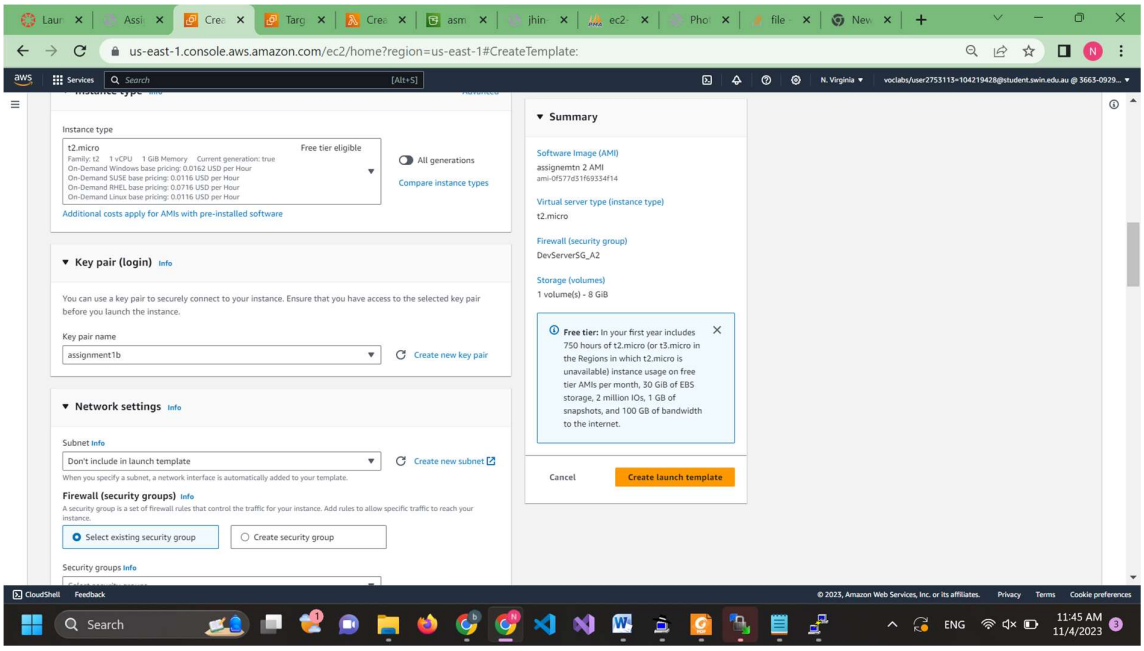

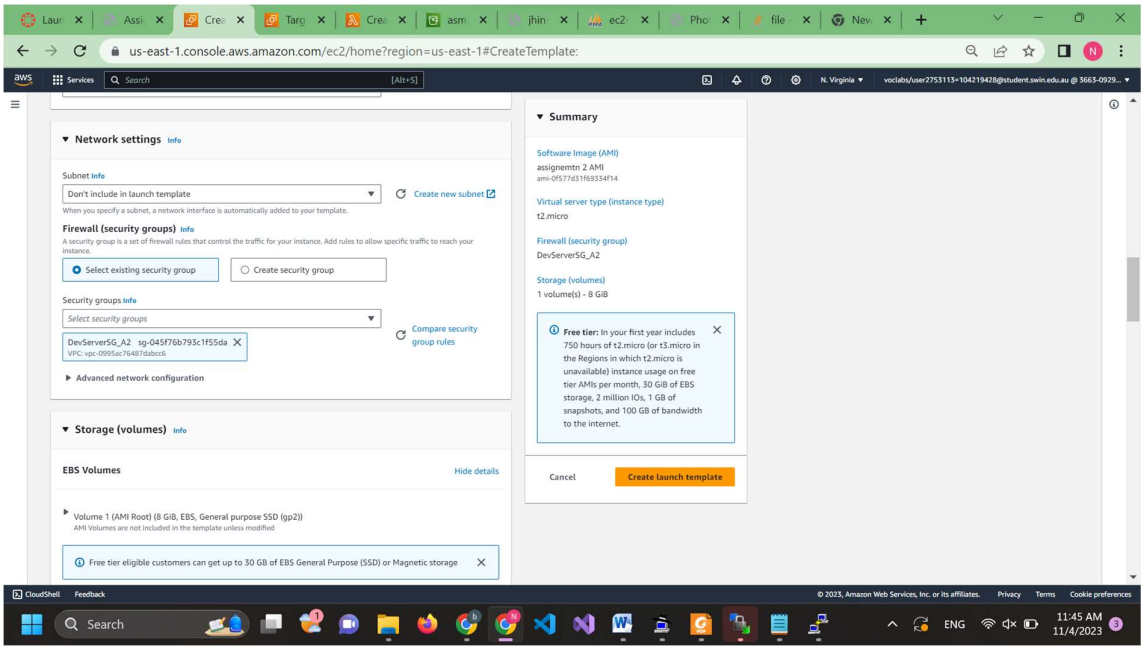

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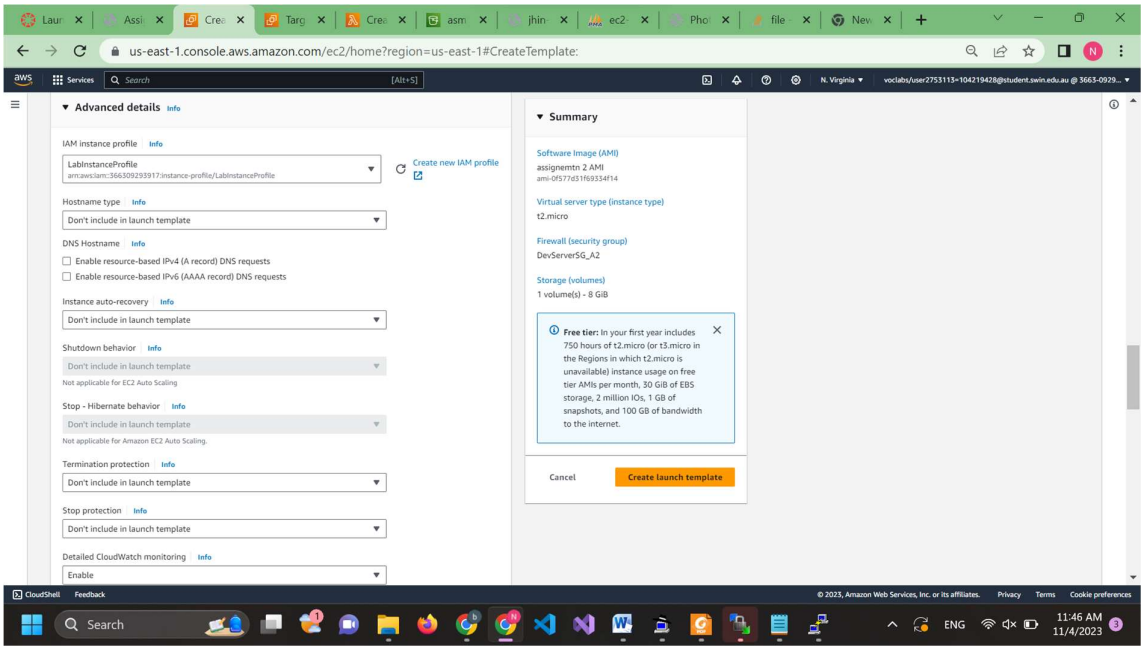

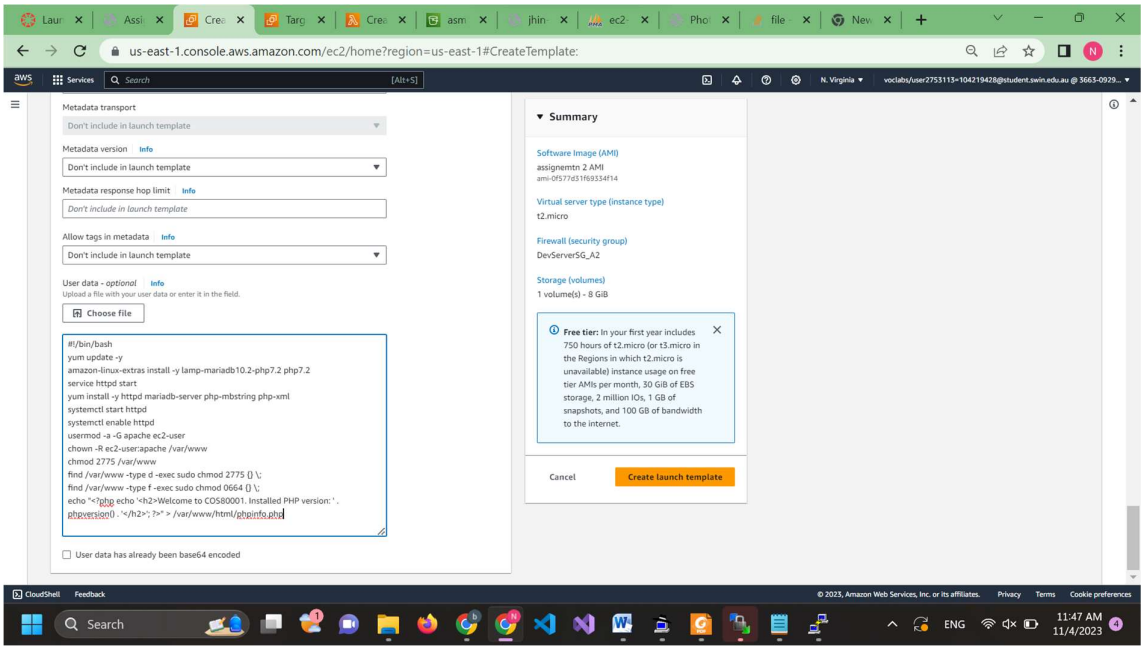

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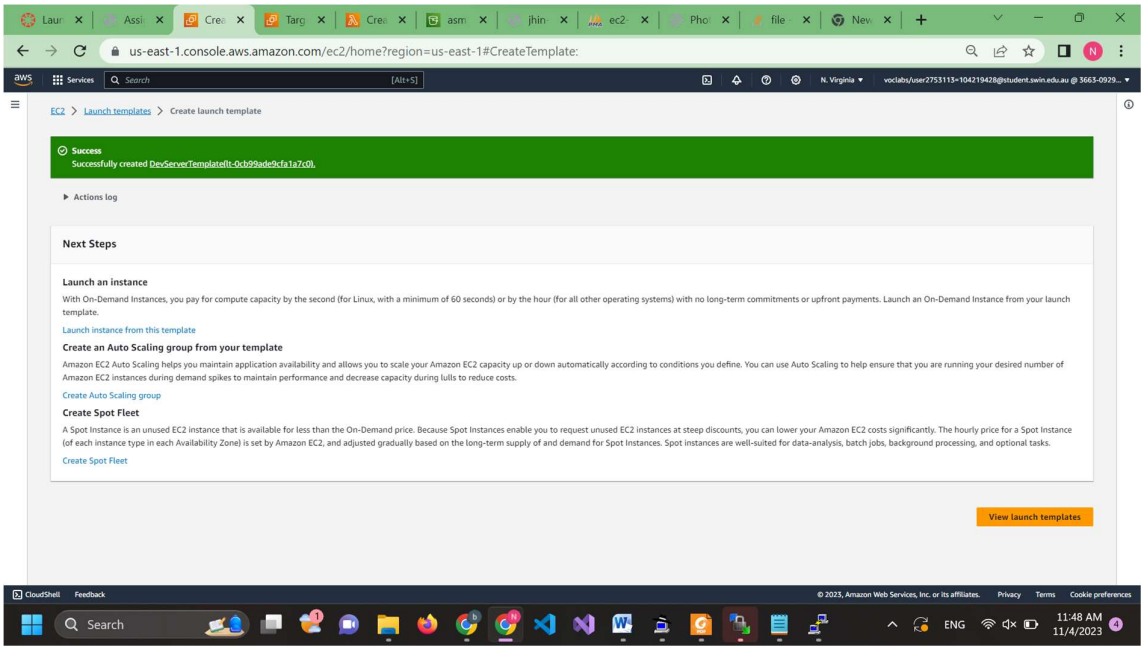
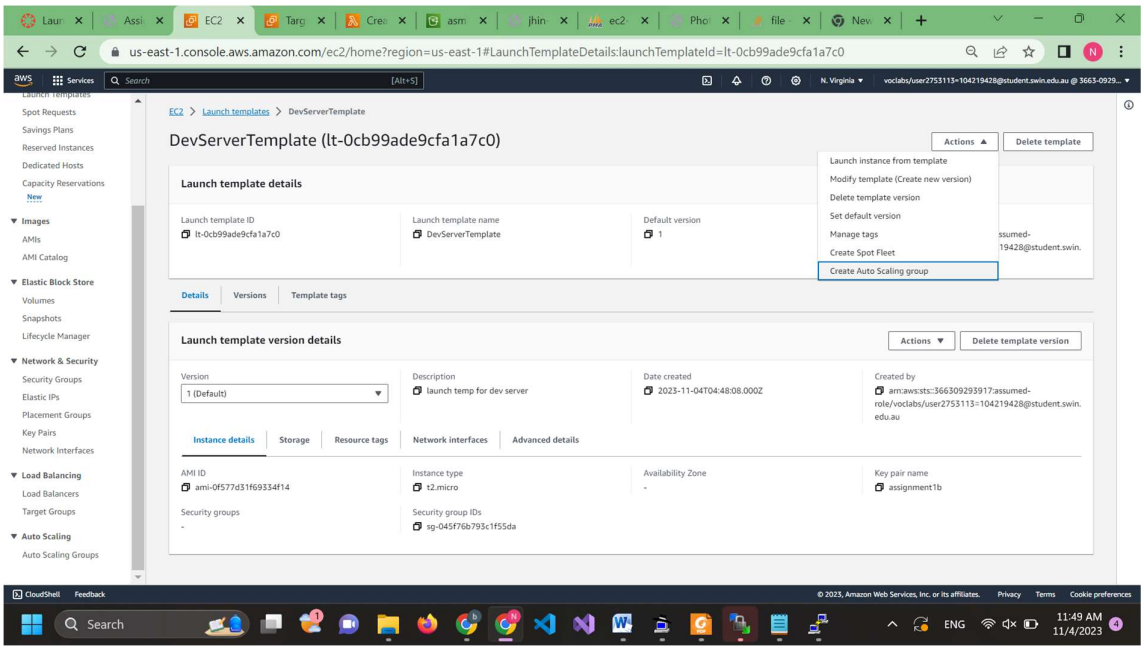


2.4.2: Create auto scaling group



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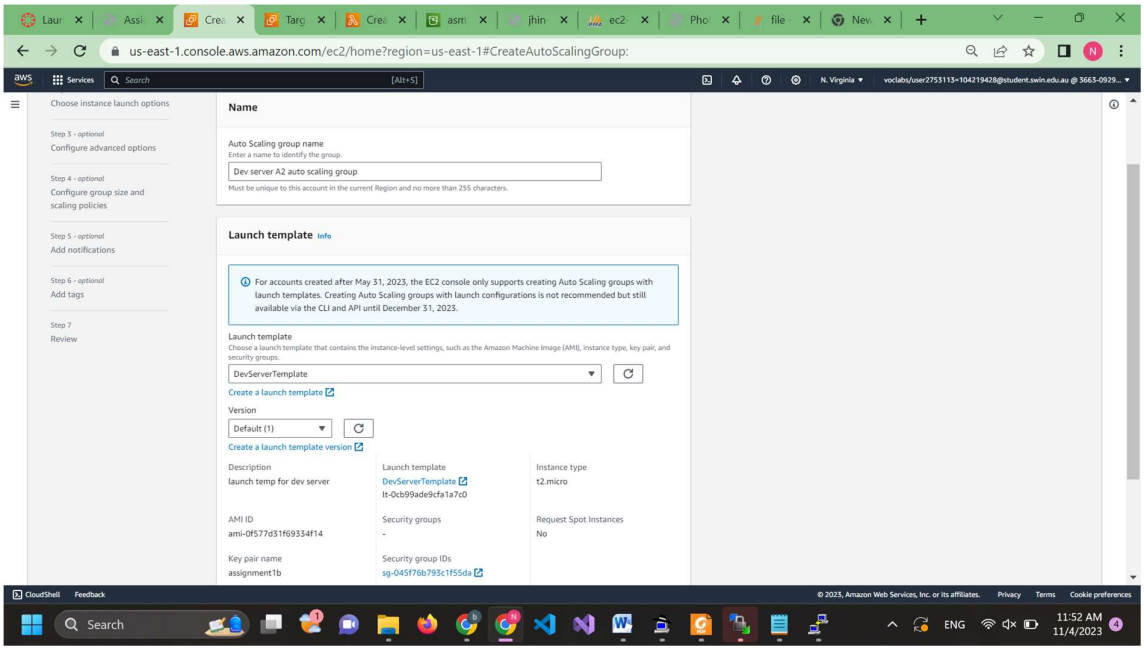

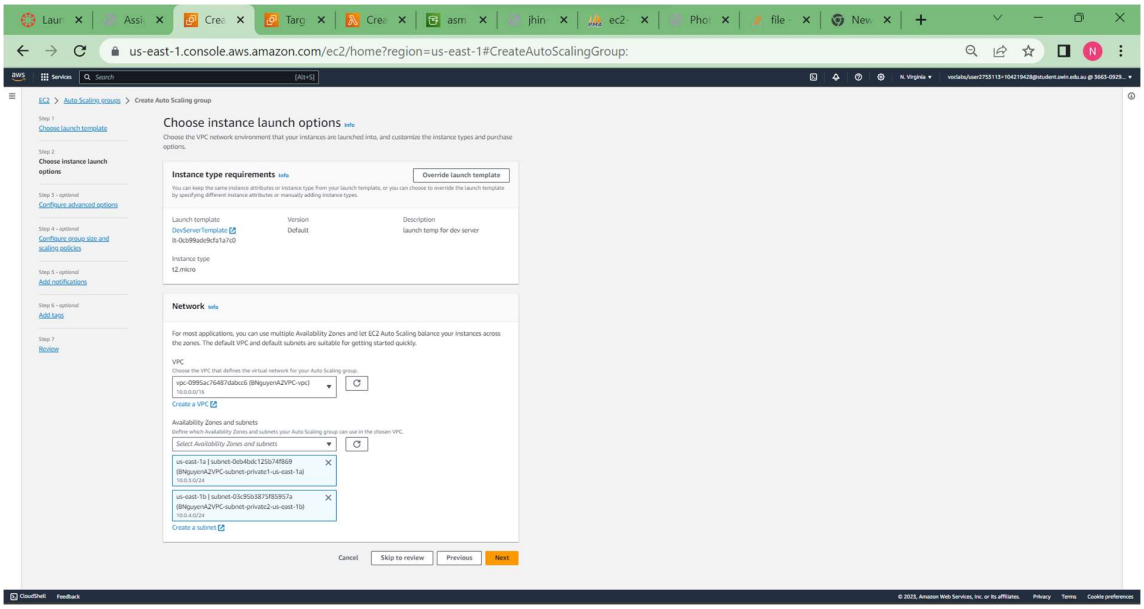

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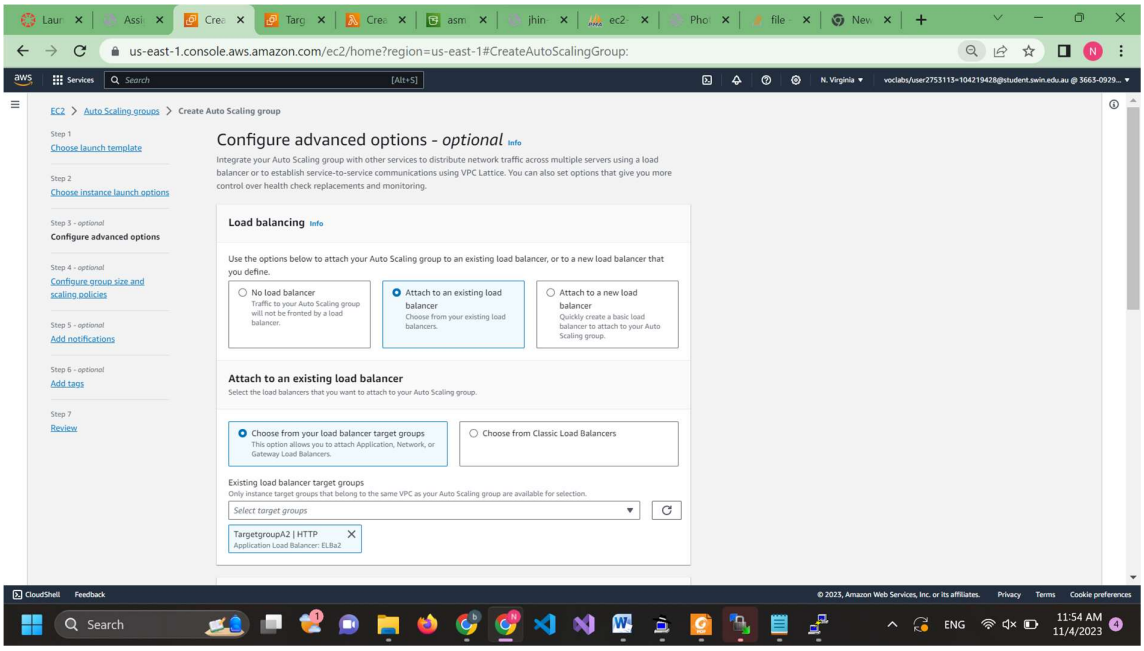

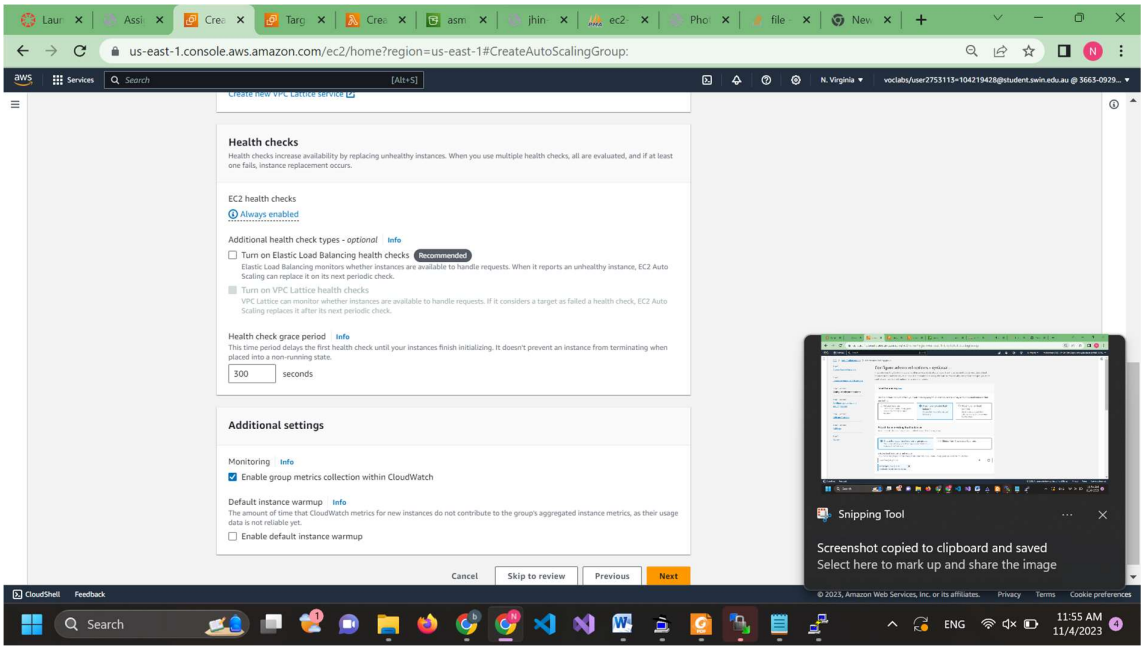

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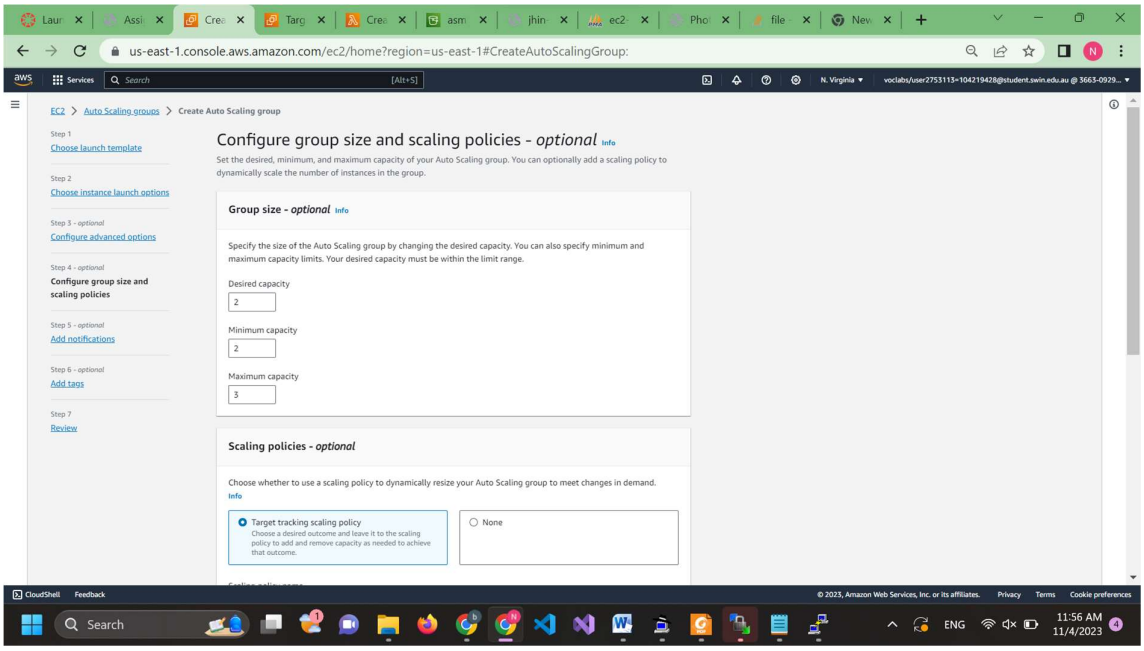

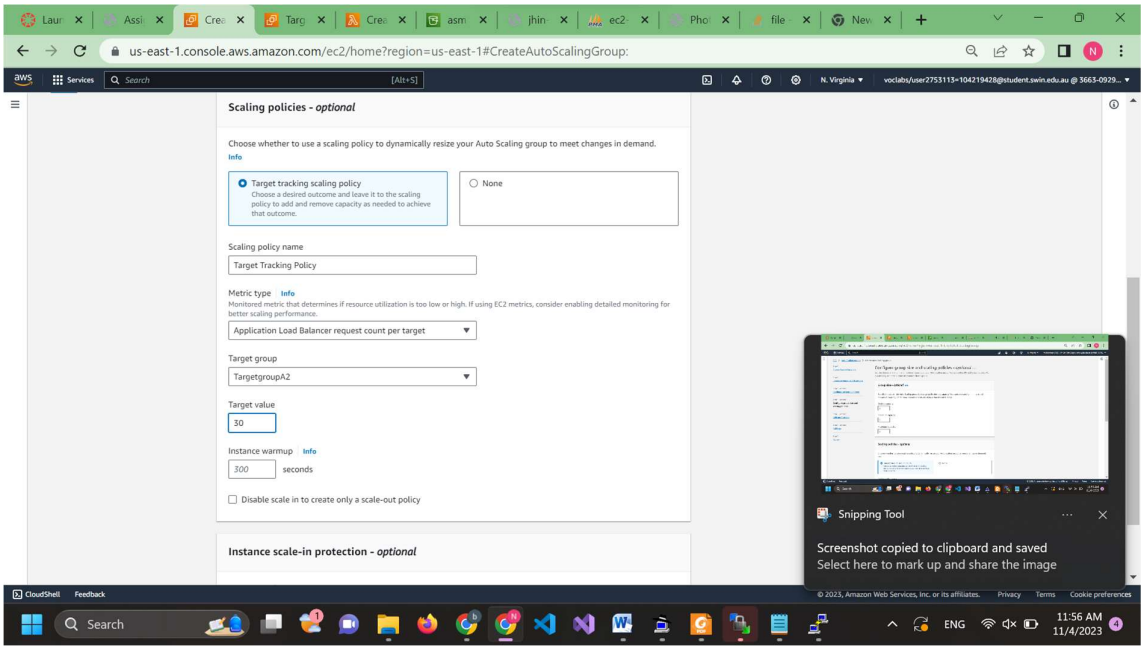

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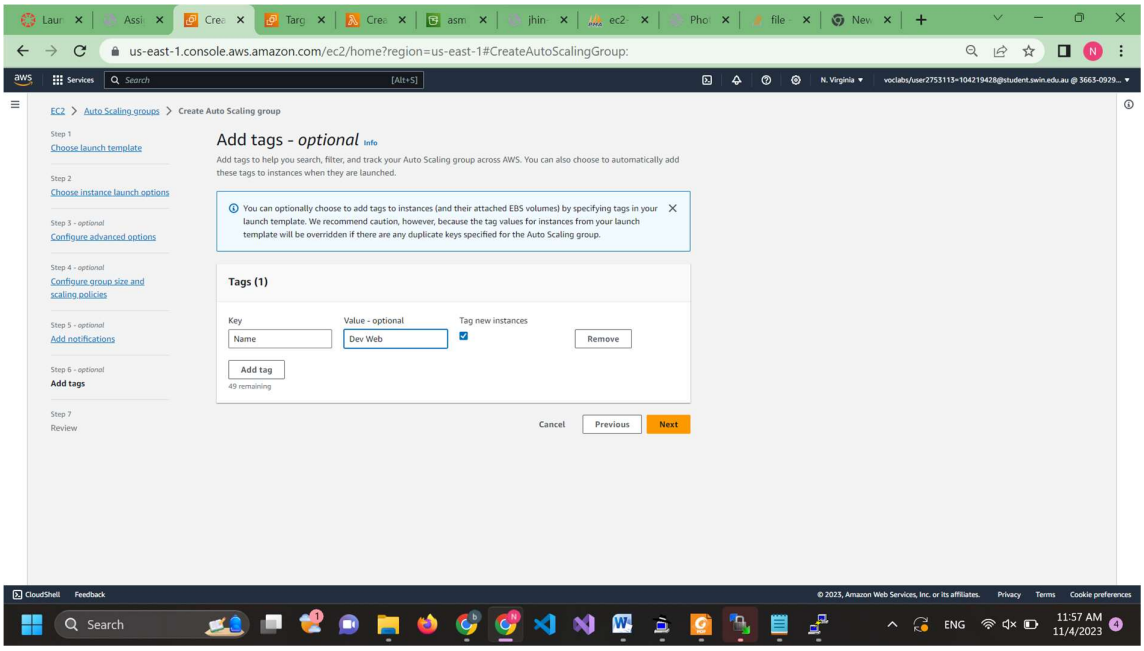

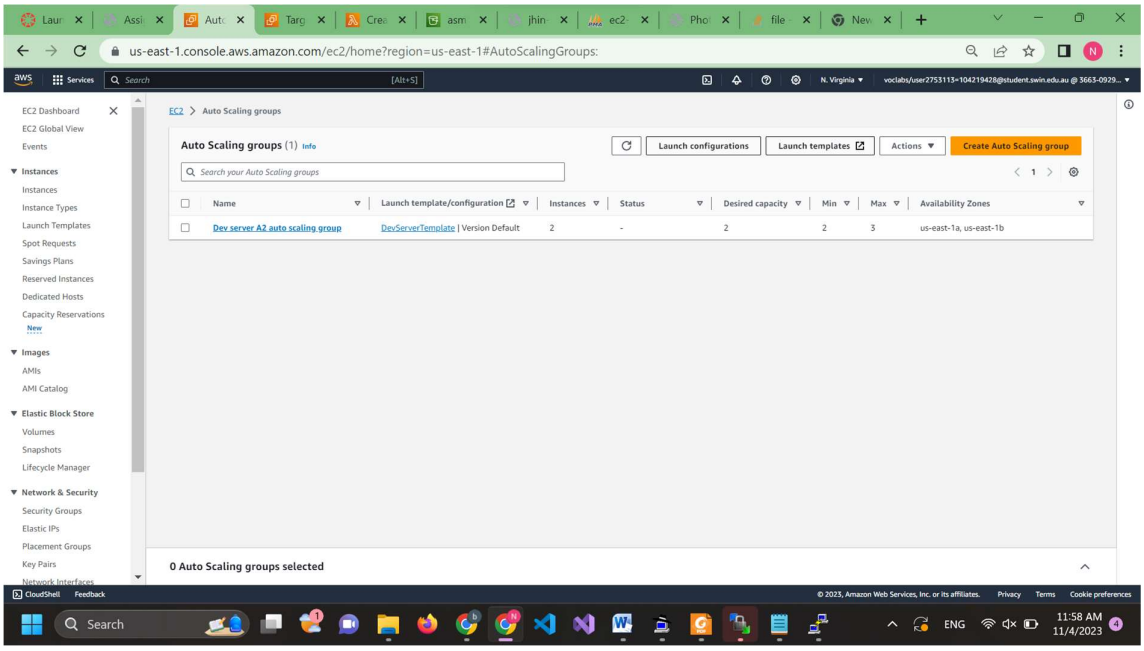

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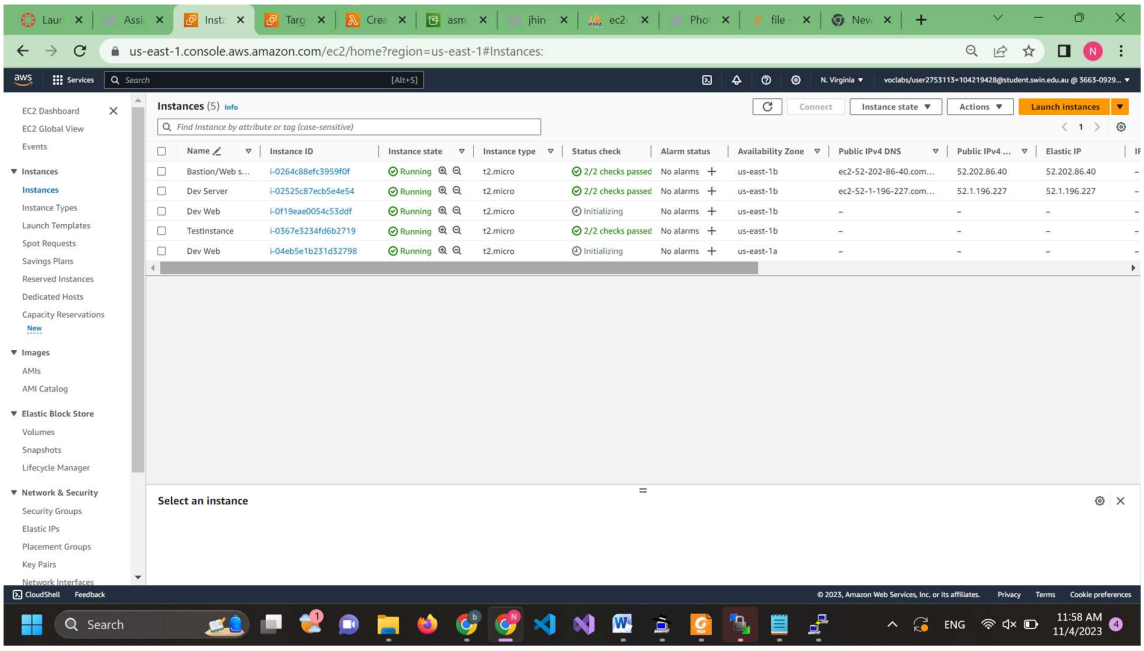
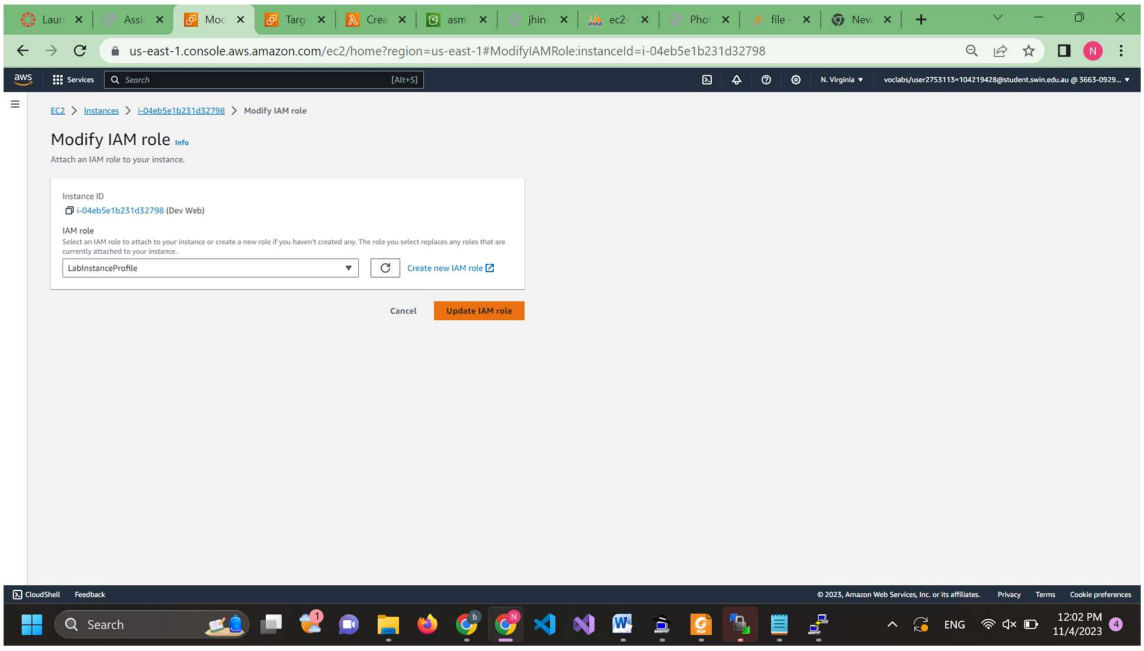


Modify both of the Dev Web instance IAM

To LabInstanceProfile



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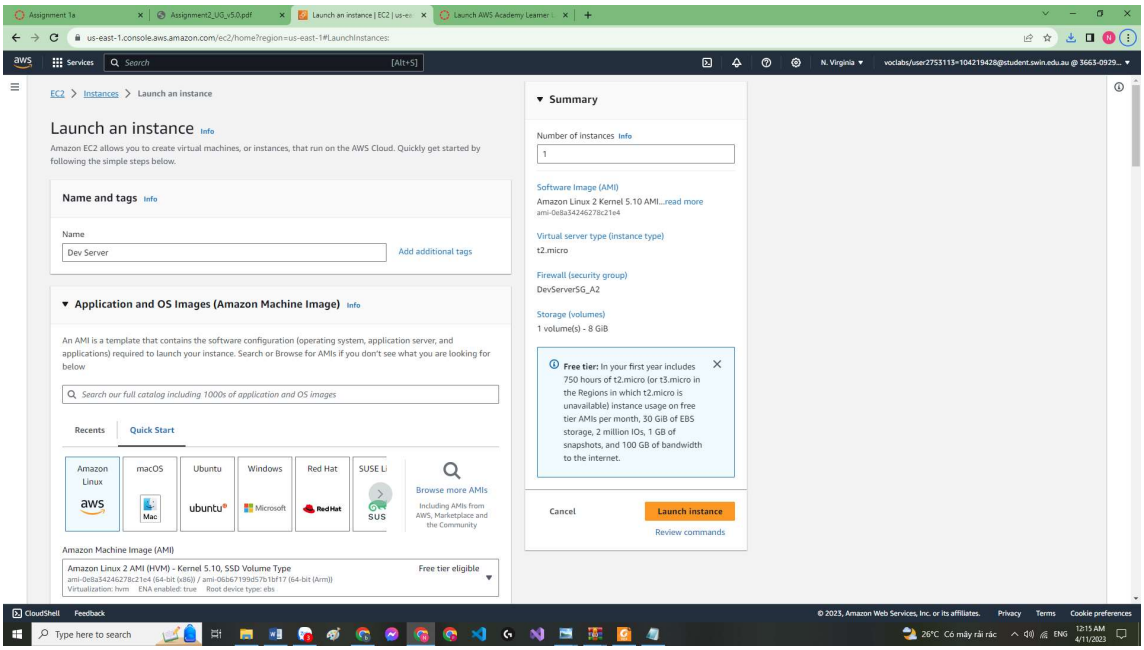
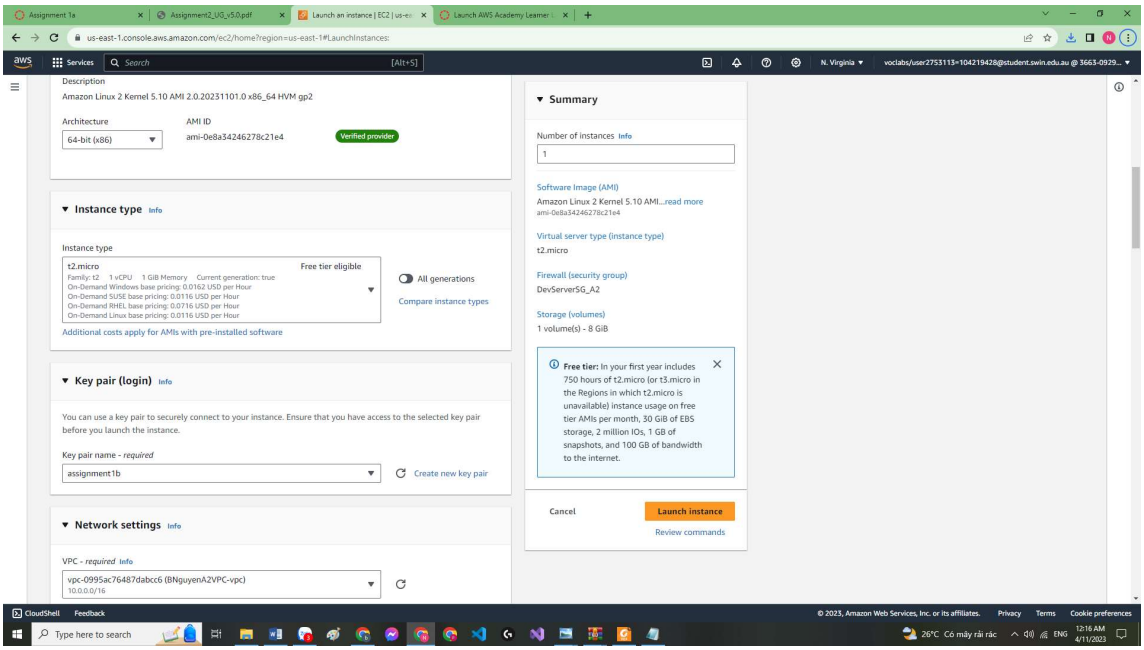
2.5: DevServer EC2 Instance





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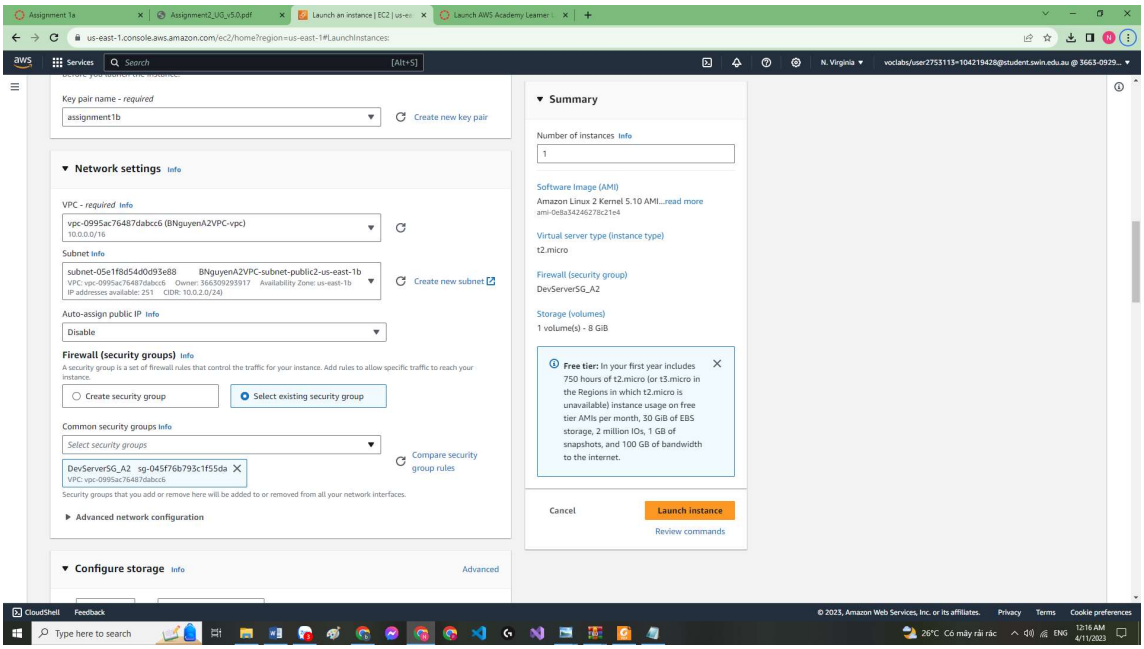
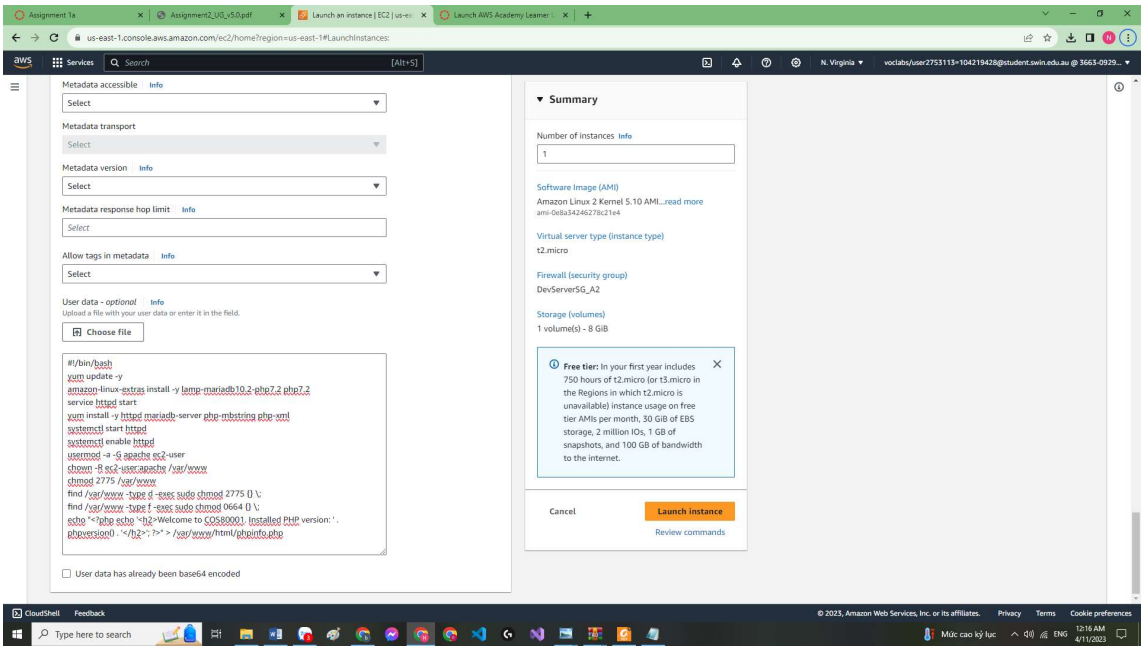


Re-use the script from assignment 1



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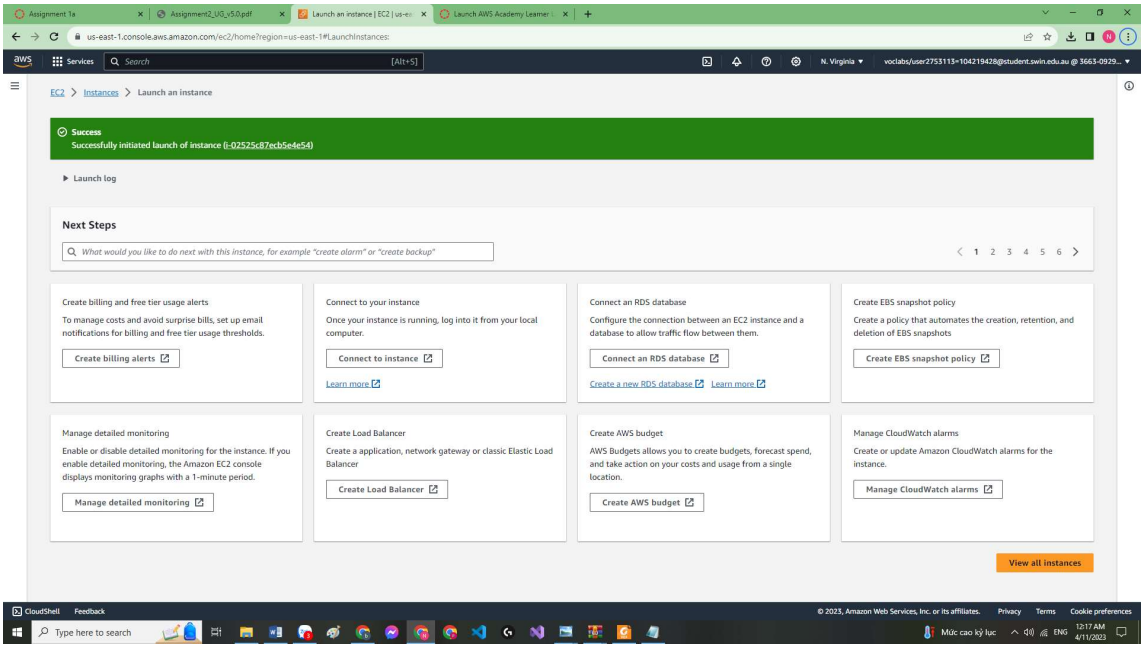

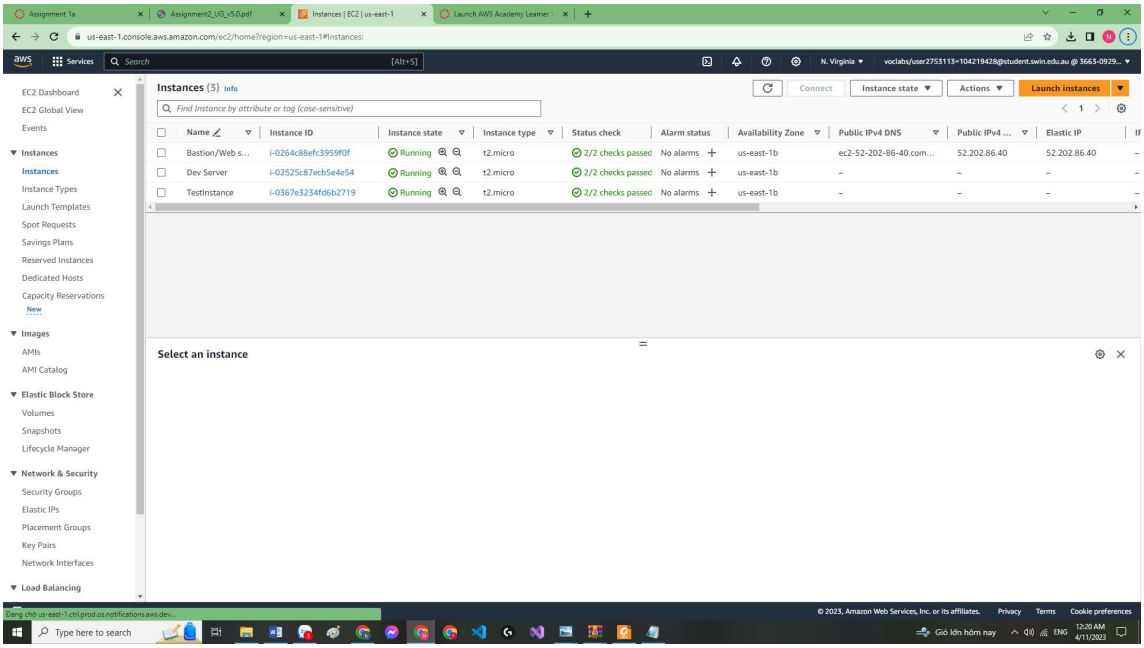

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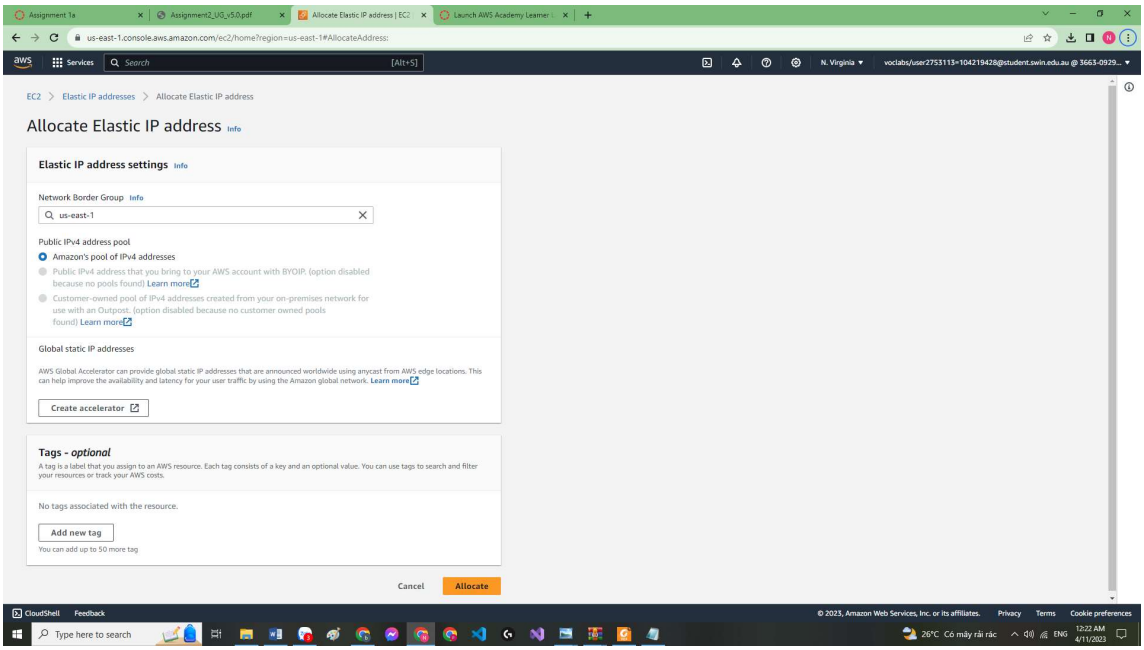
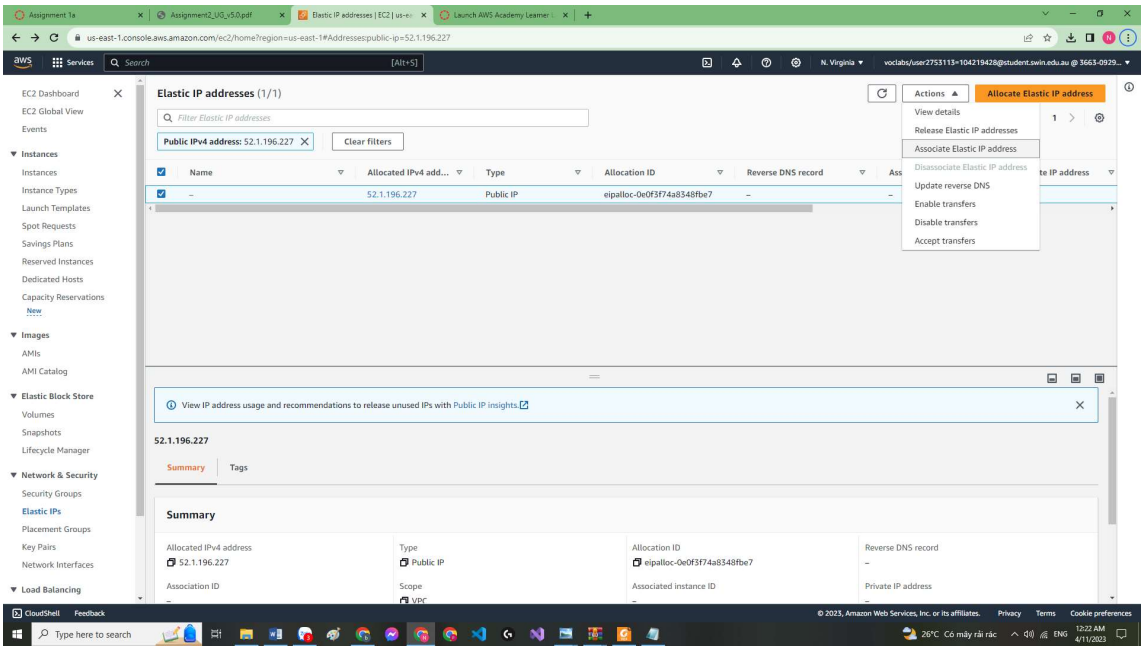
2.5.2: Elastic IP





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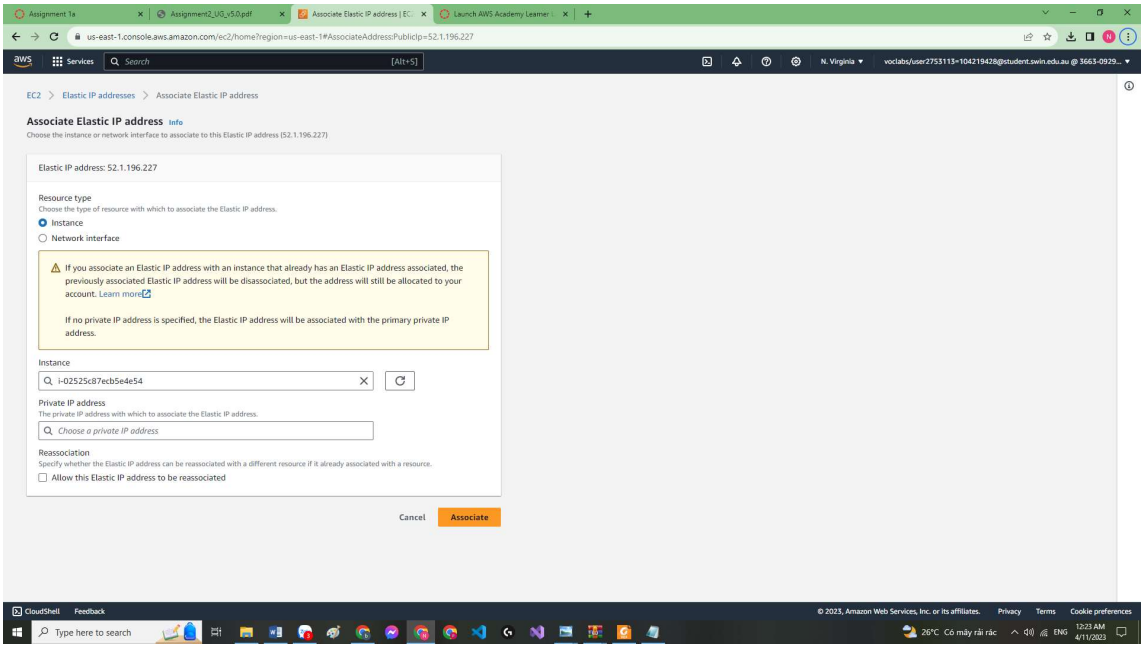

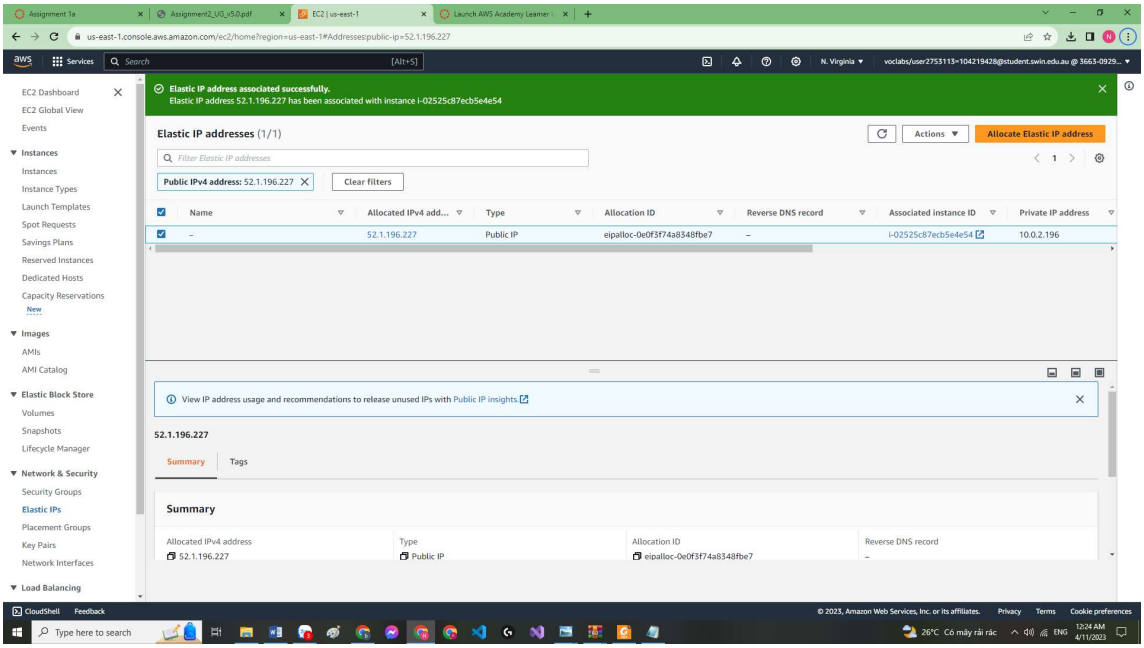

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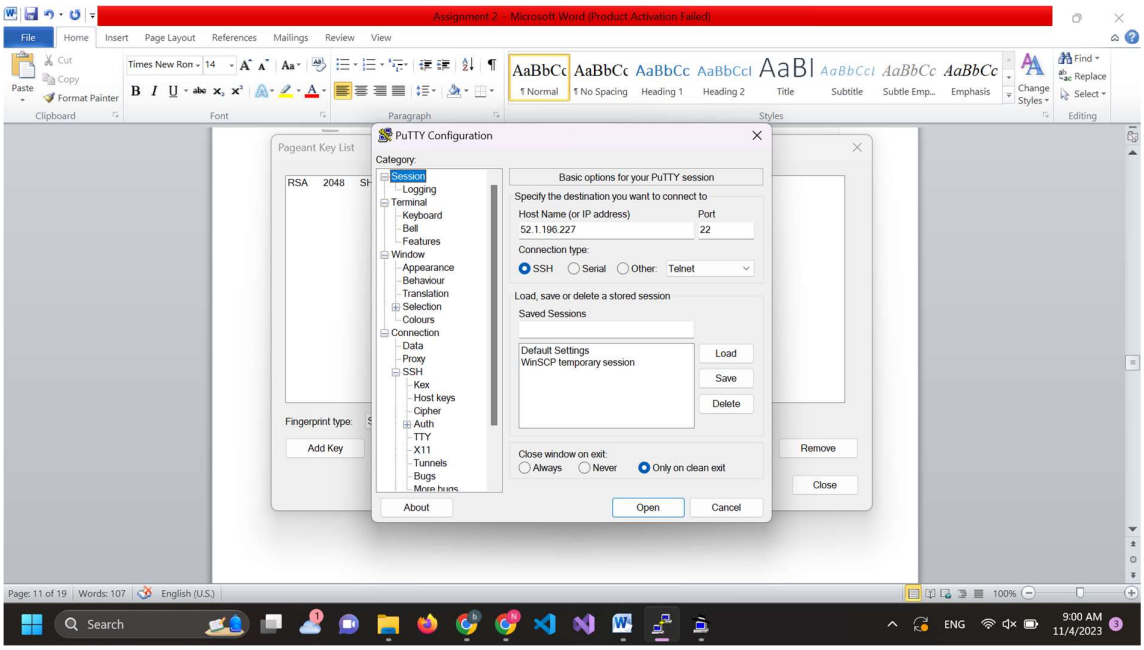
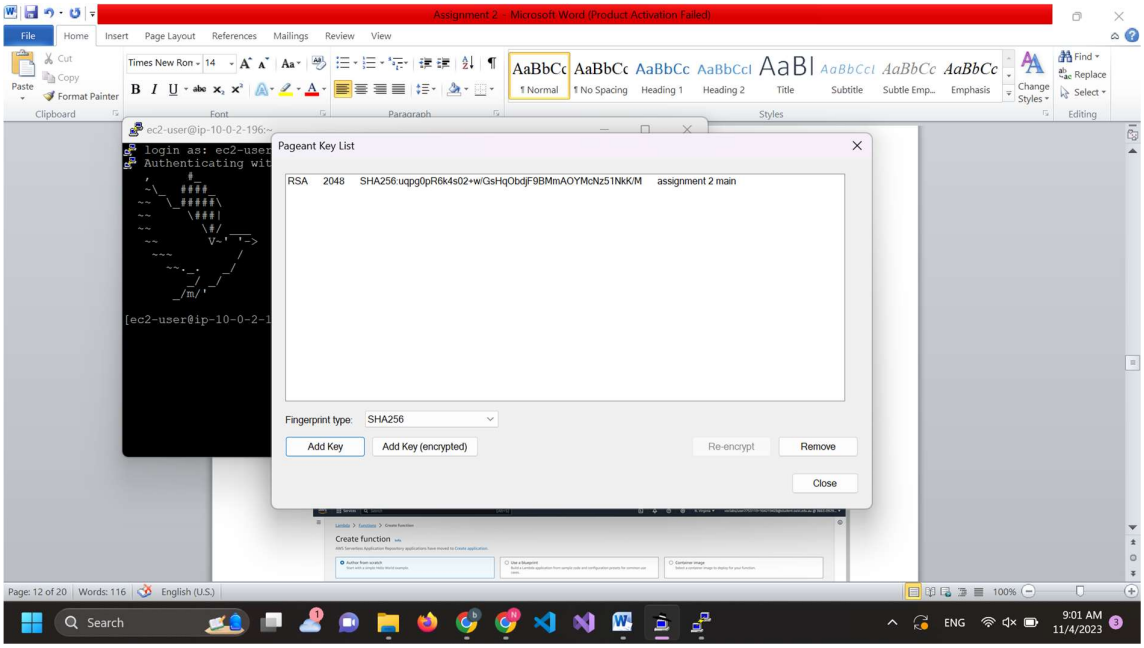
2.5.3: Install PHPmyadmin into Dev Server

Go into Putty and use Dev server public ipv4



Put the key from assignment 1 (I rename it) into pageant



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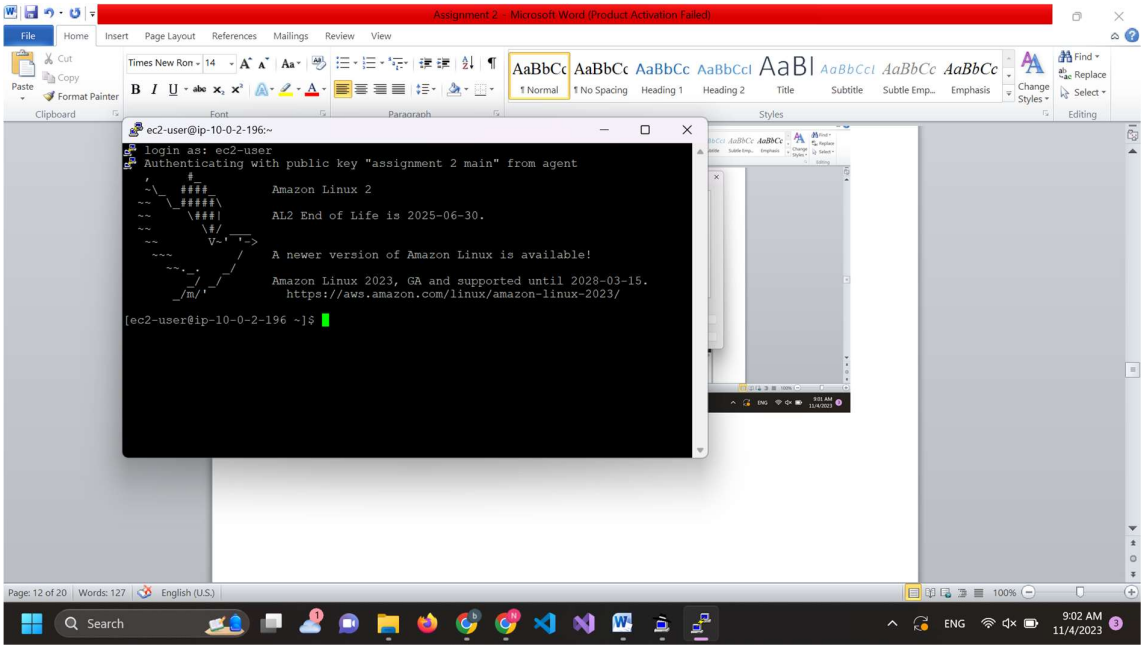
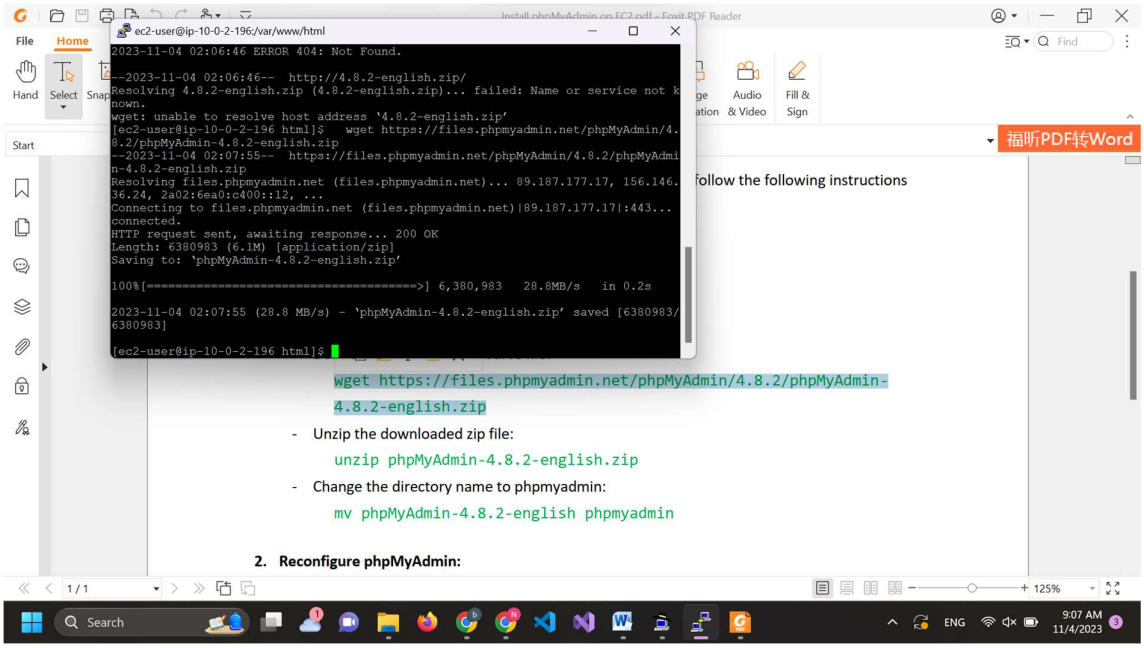


Now start installing phpmyadmin using the command



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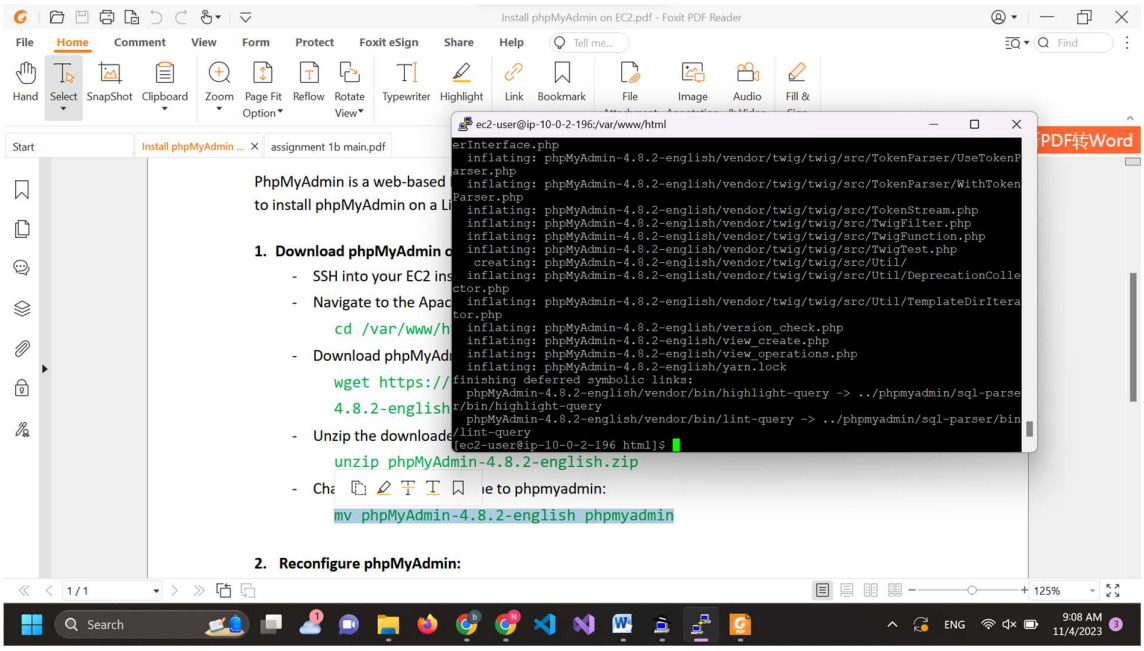

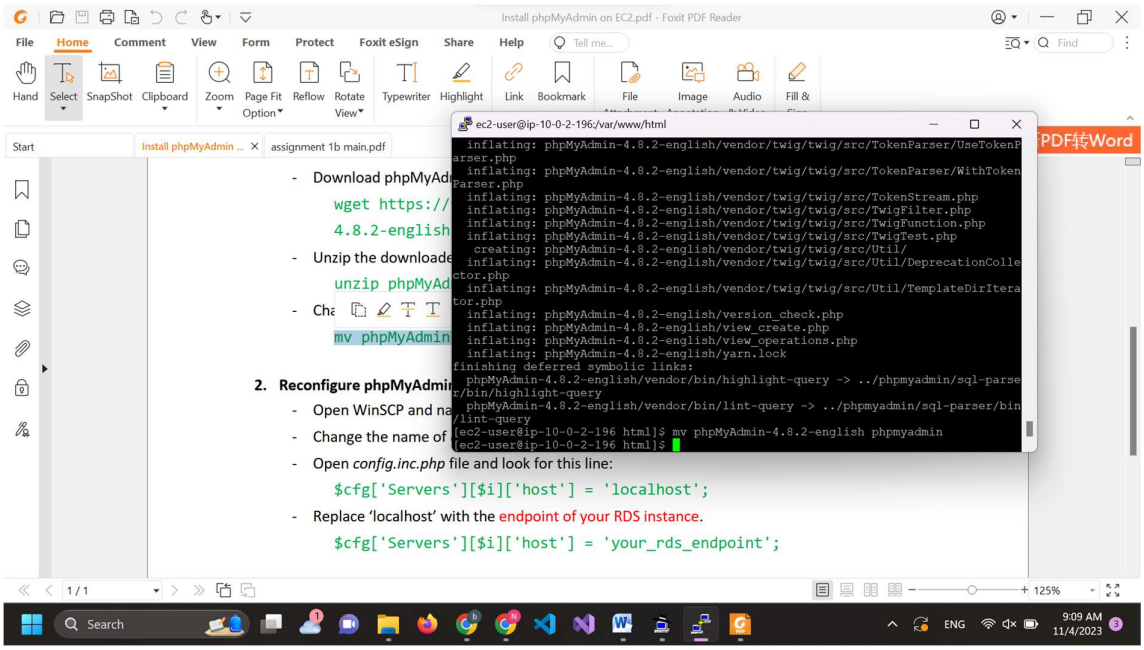

Open Win SCP using Devserver public DNS as Hostname

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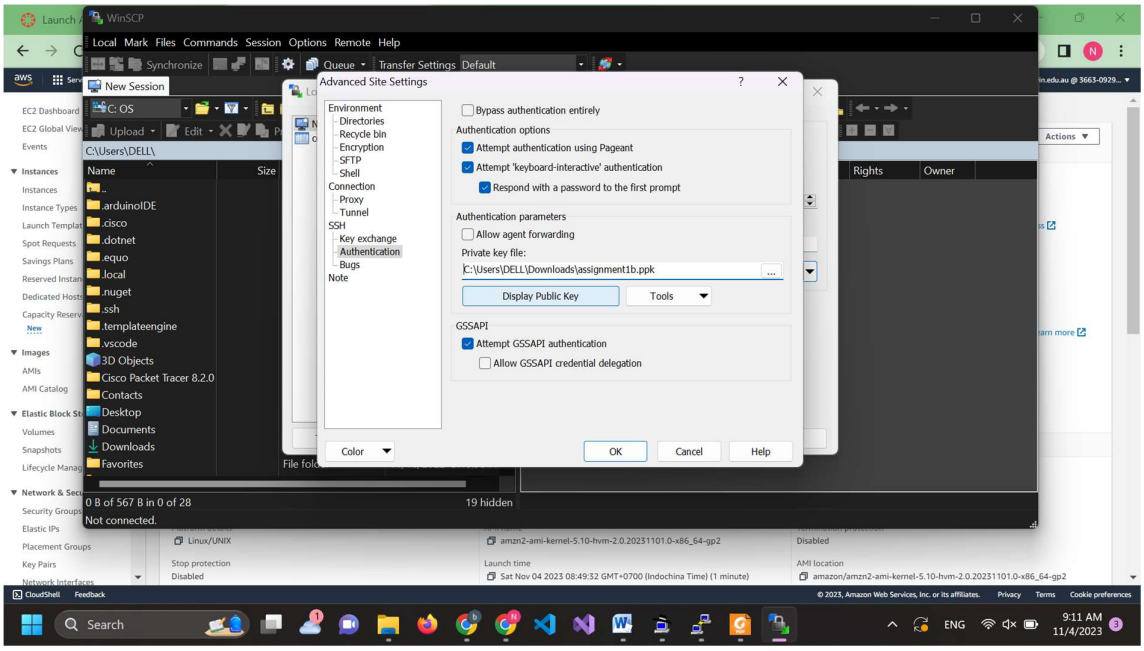

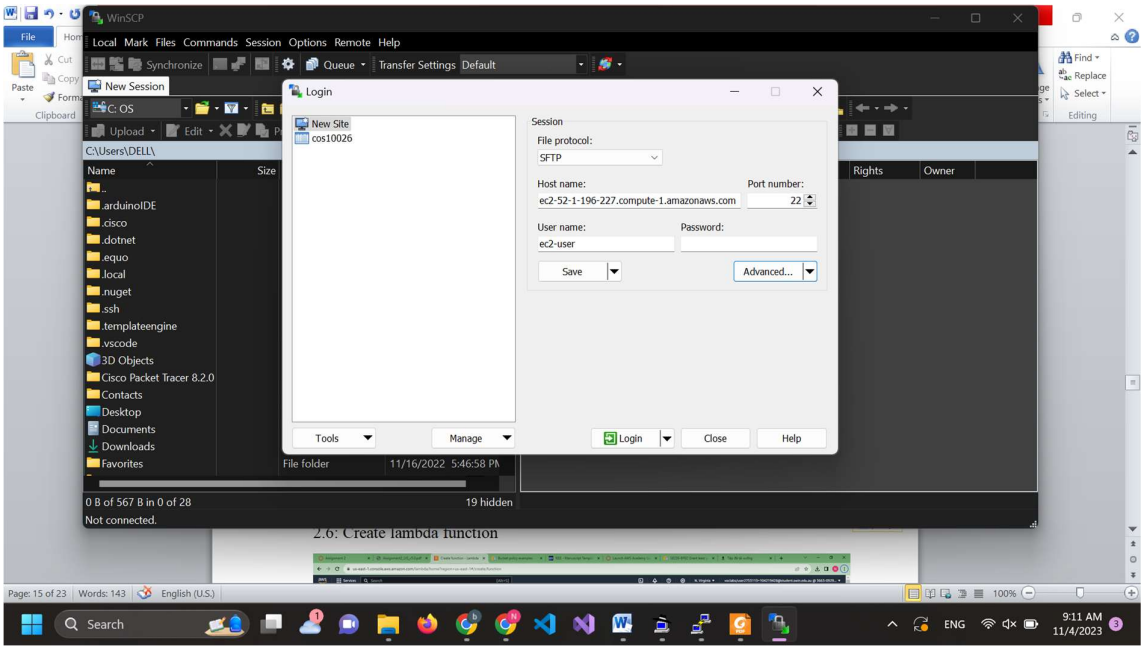

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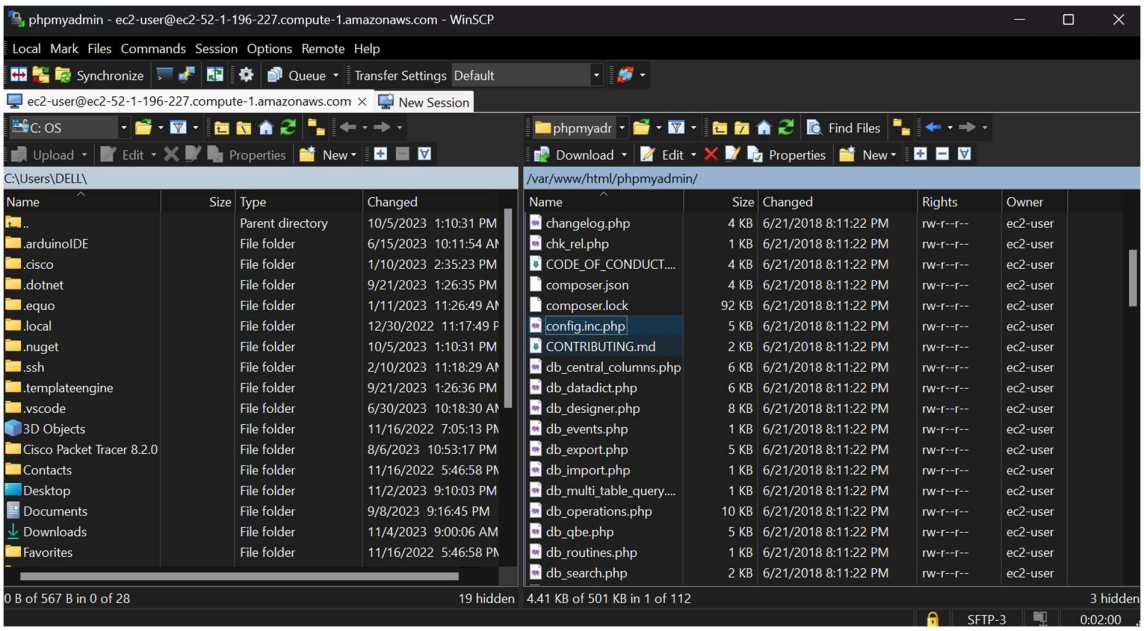
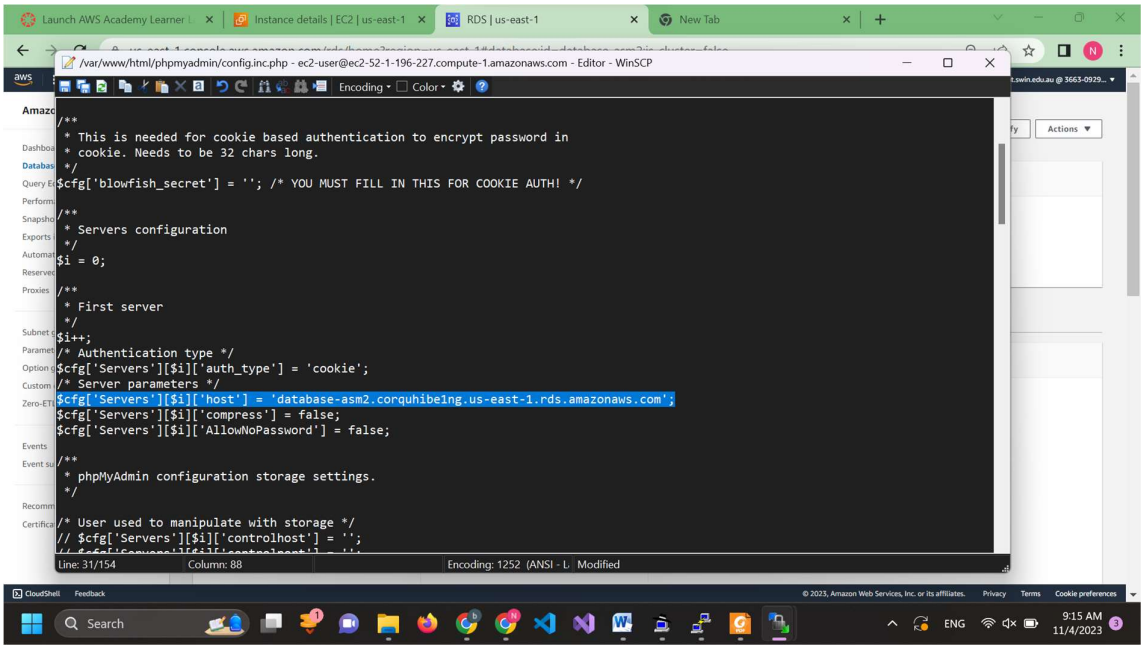
Reconfigure phpmyadmin



Change “localhost” to my RDS endpoint



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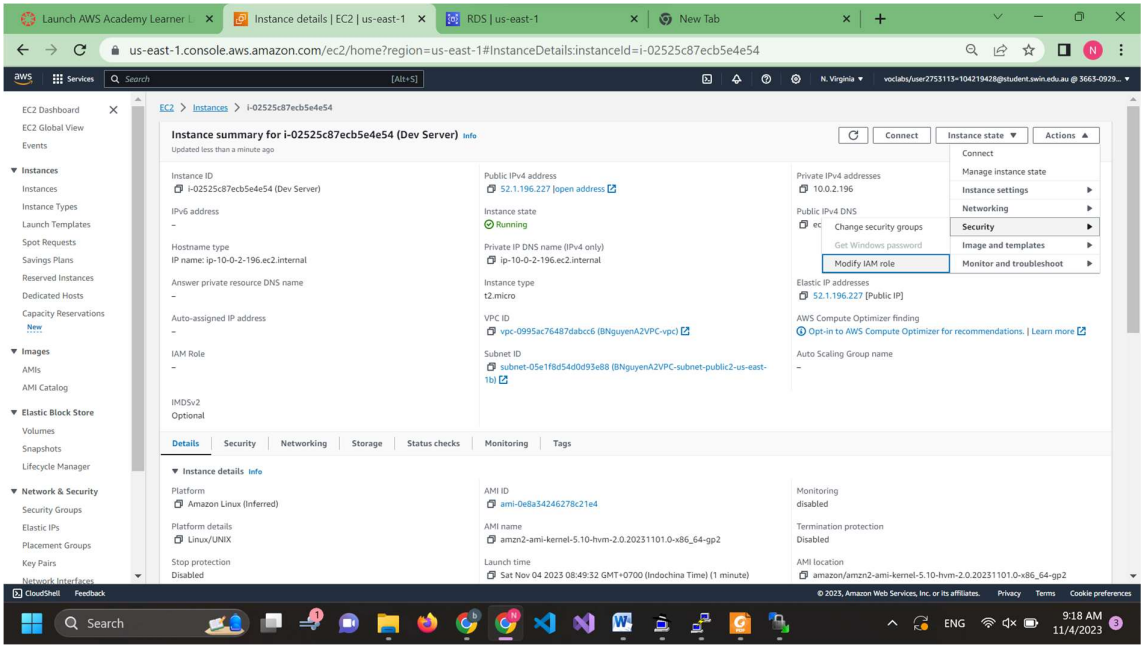
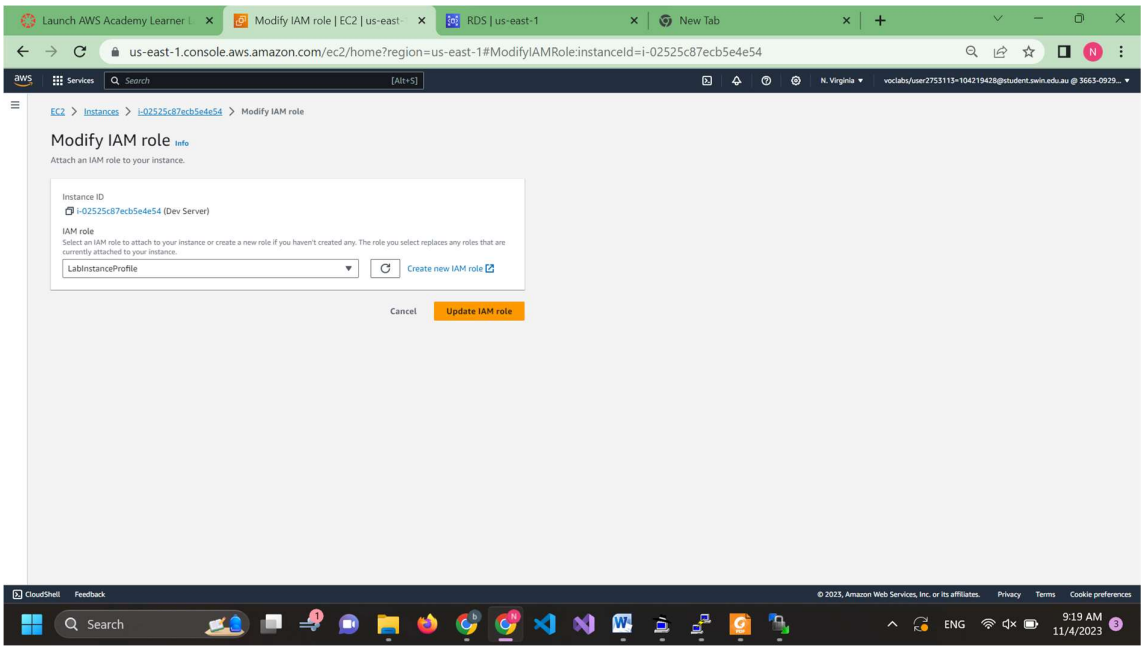
Modify IAM role





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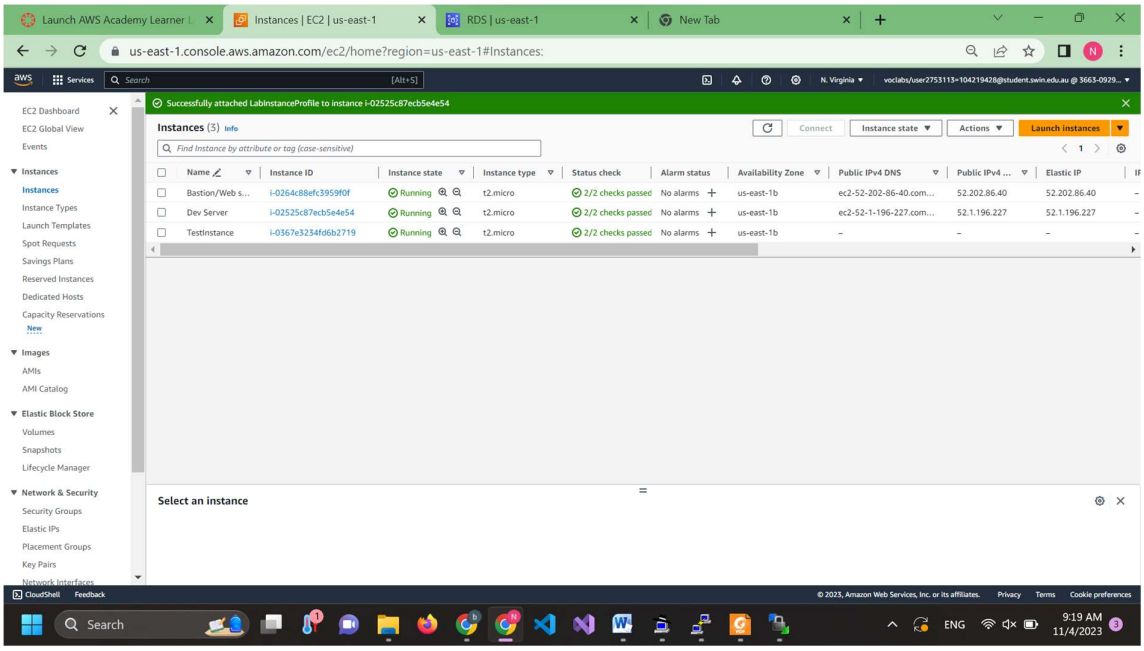
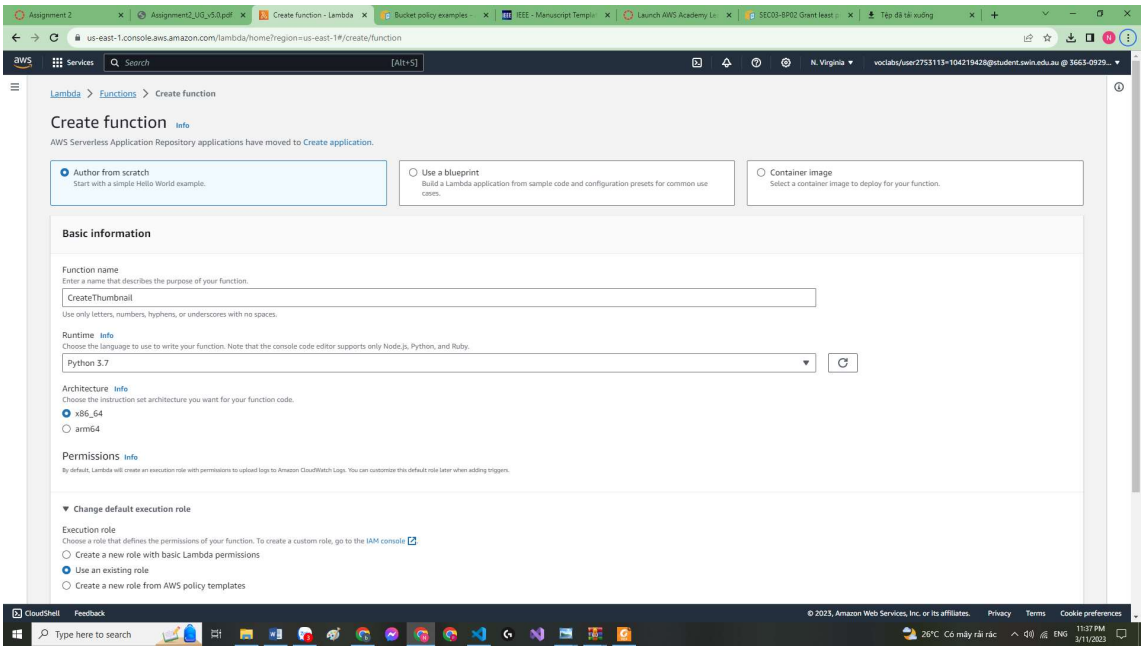


2.6: Create lambda function



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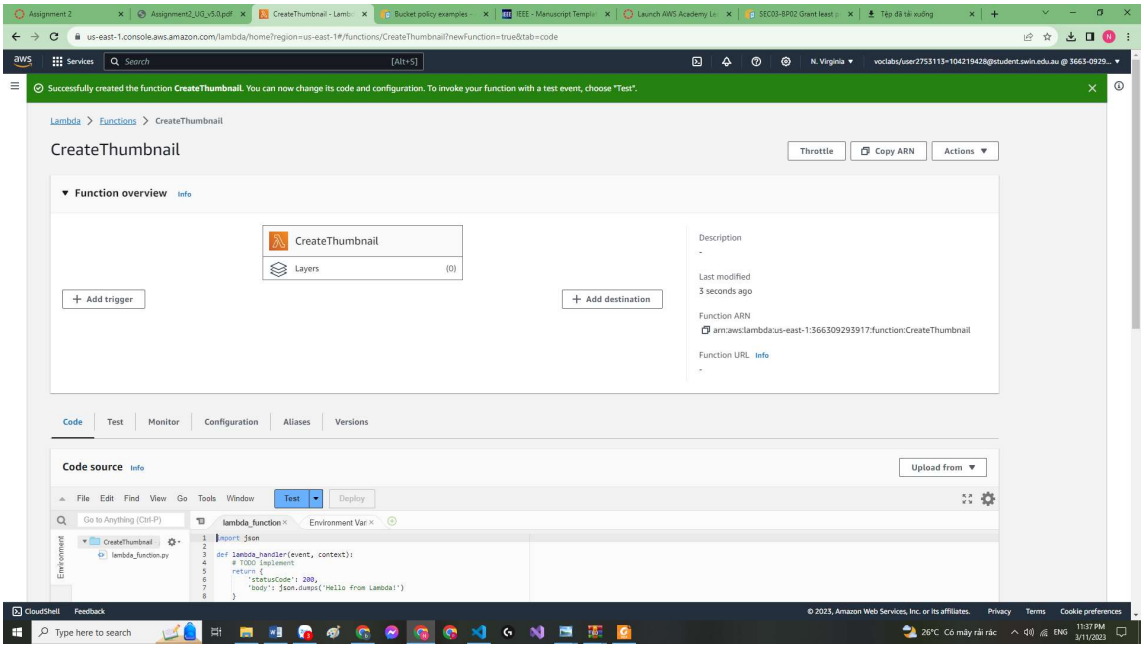
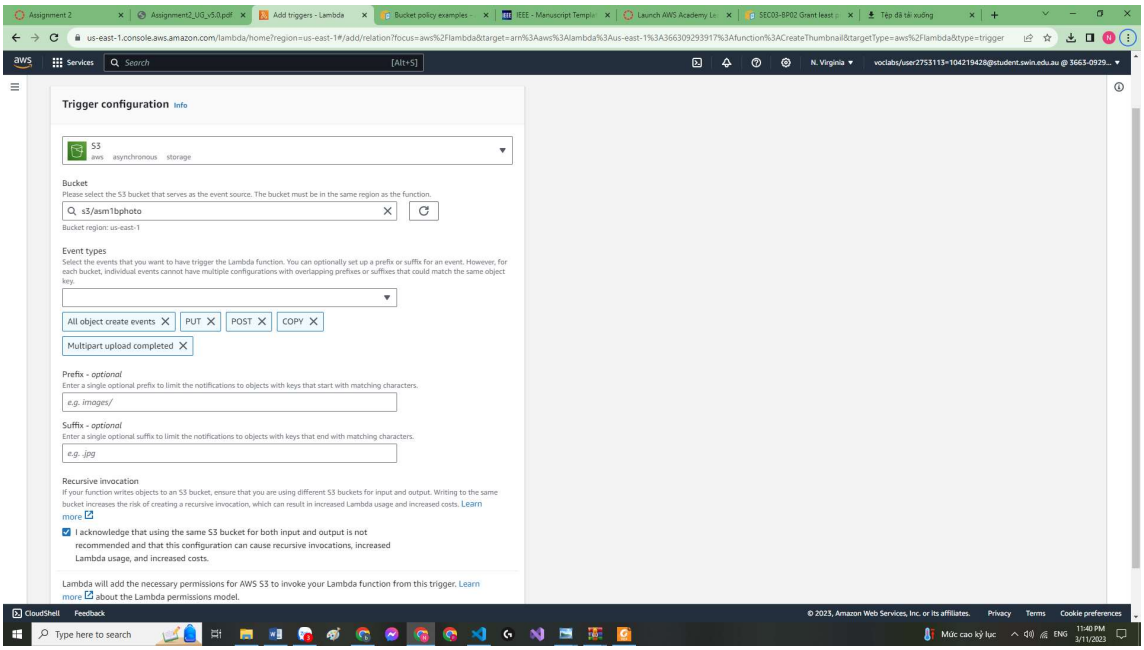


2.6.2:Configure the trigger:



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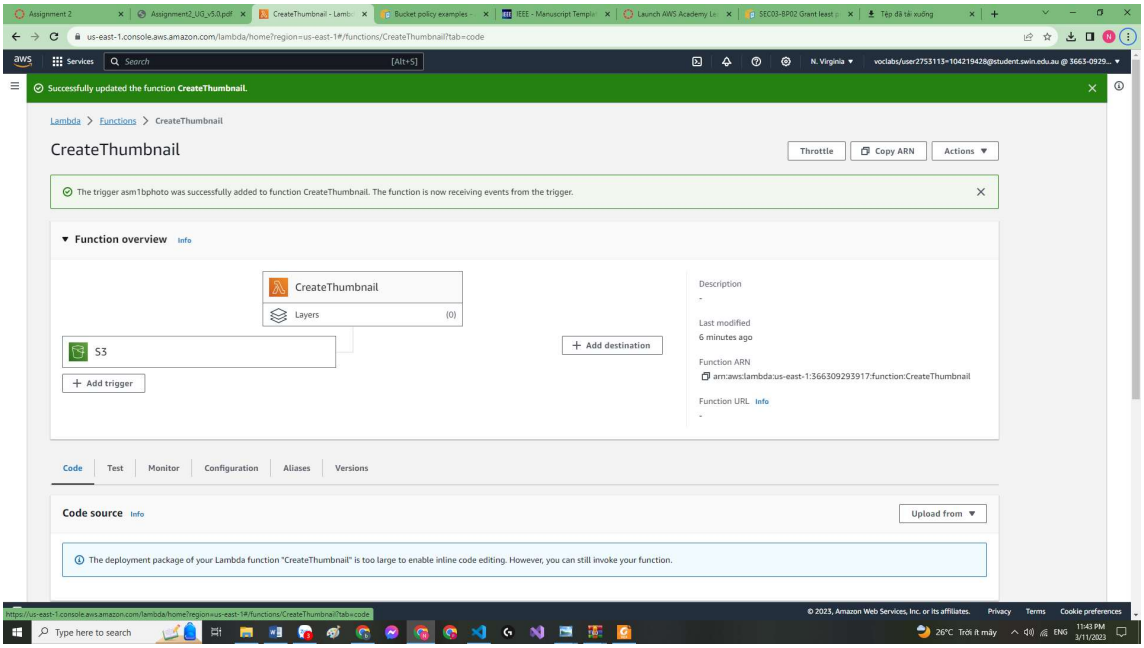
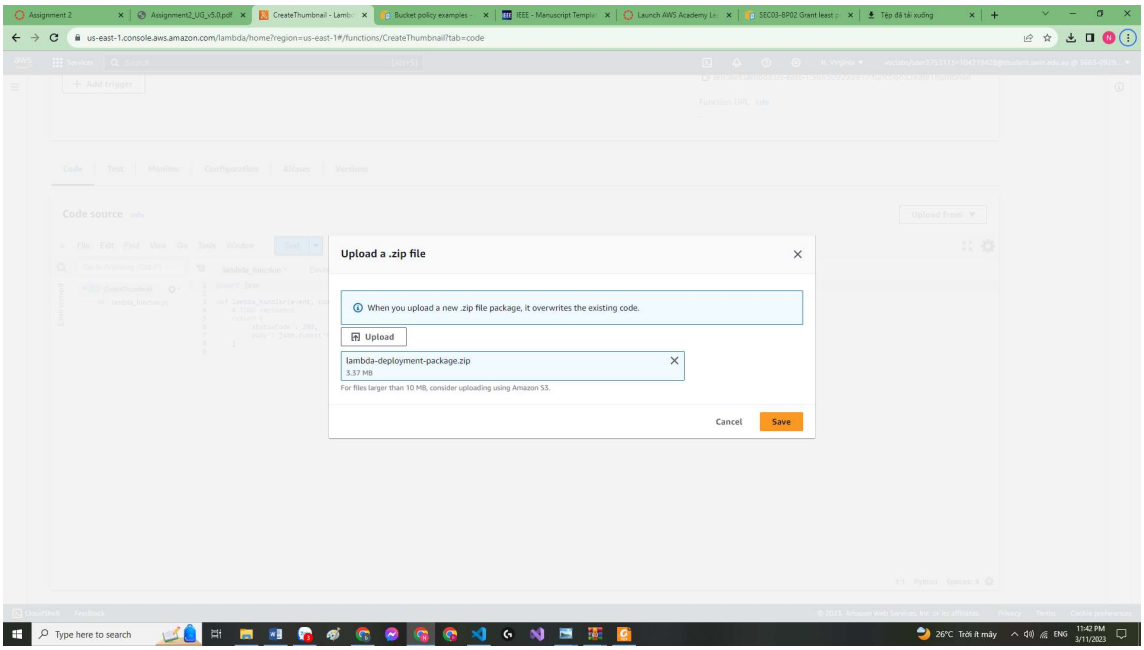


2.6.3: Upload a deployment package that I download from Canvas



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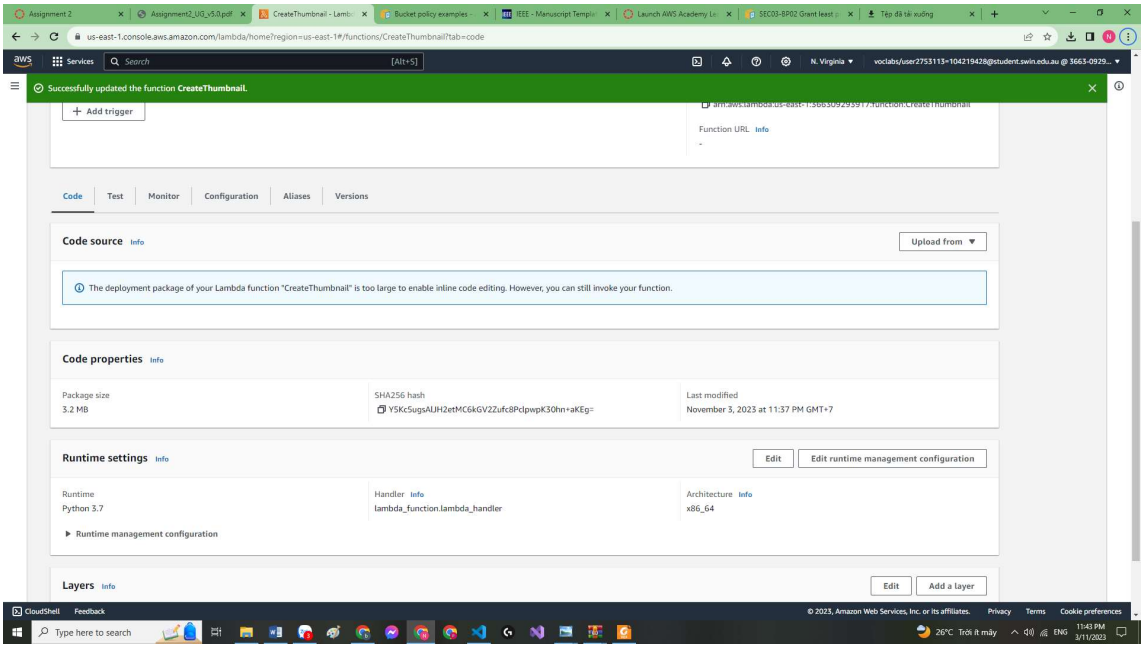
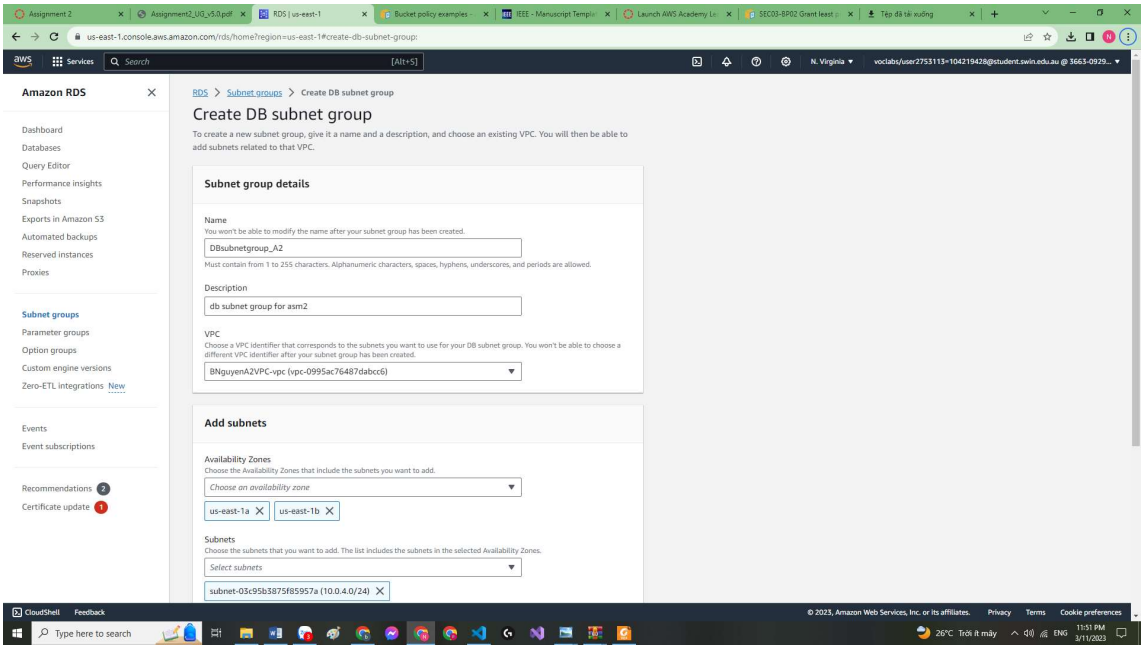


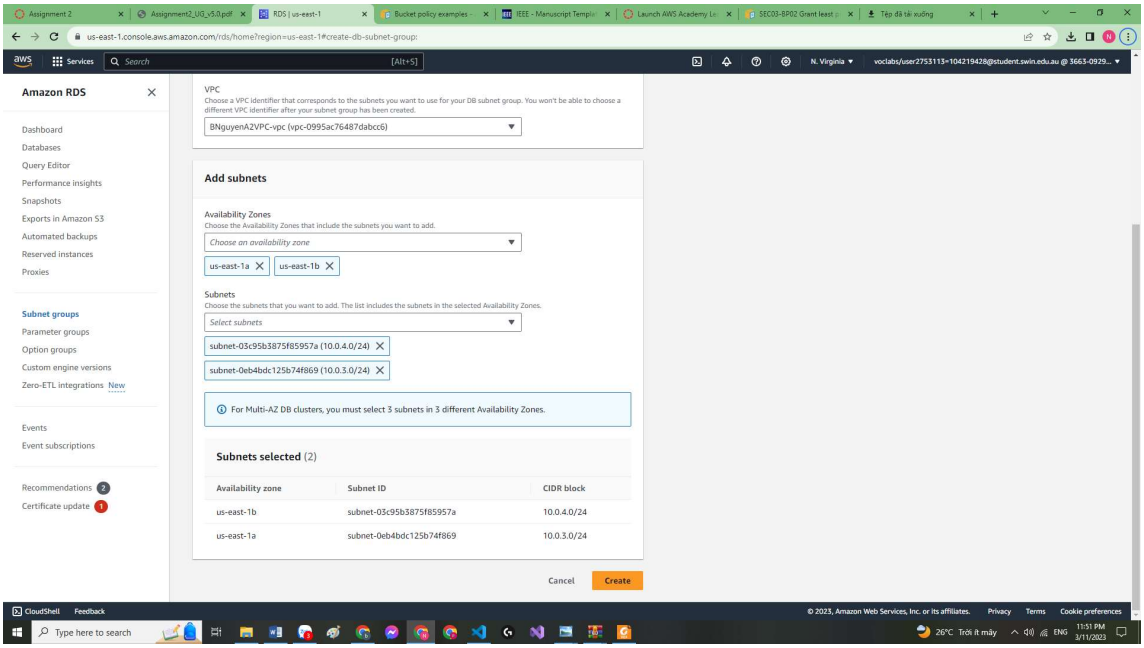
Upload photoalbum into the dev server

2.7: RDS database

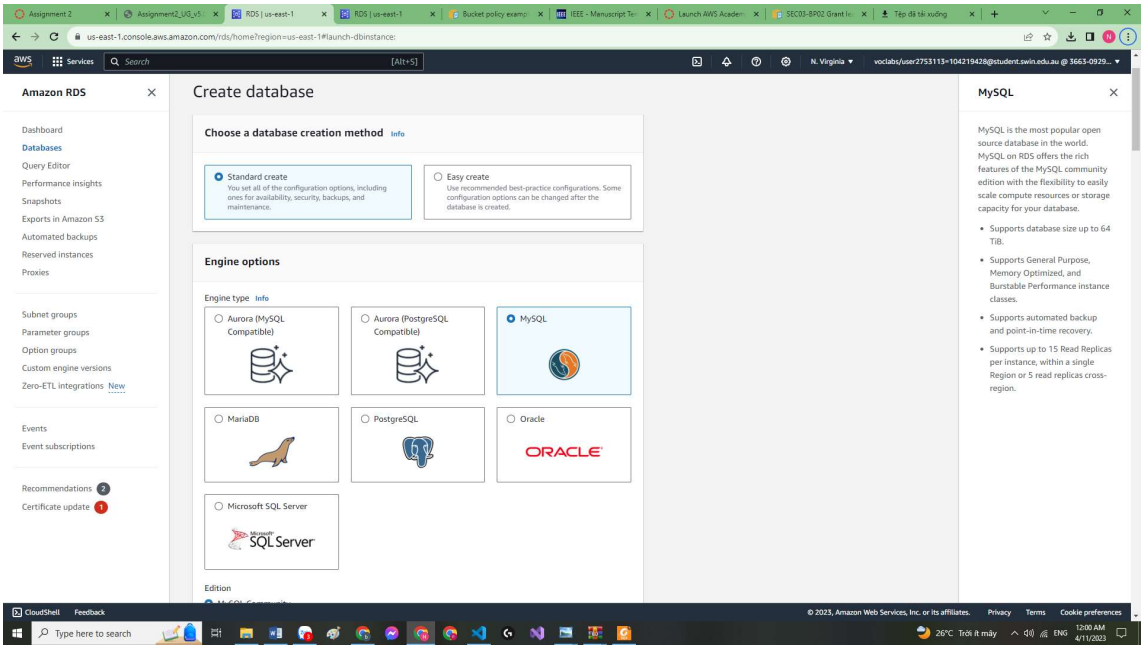
2.7.1: Create the database subnet group



Nguyen Gia Binh - 104219428



2.7.2: Config the database



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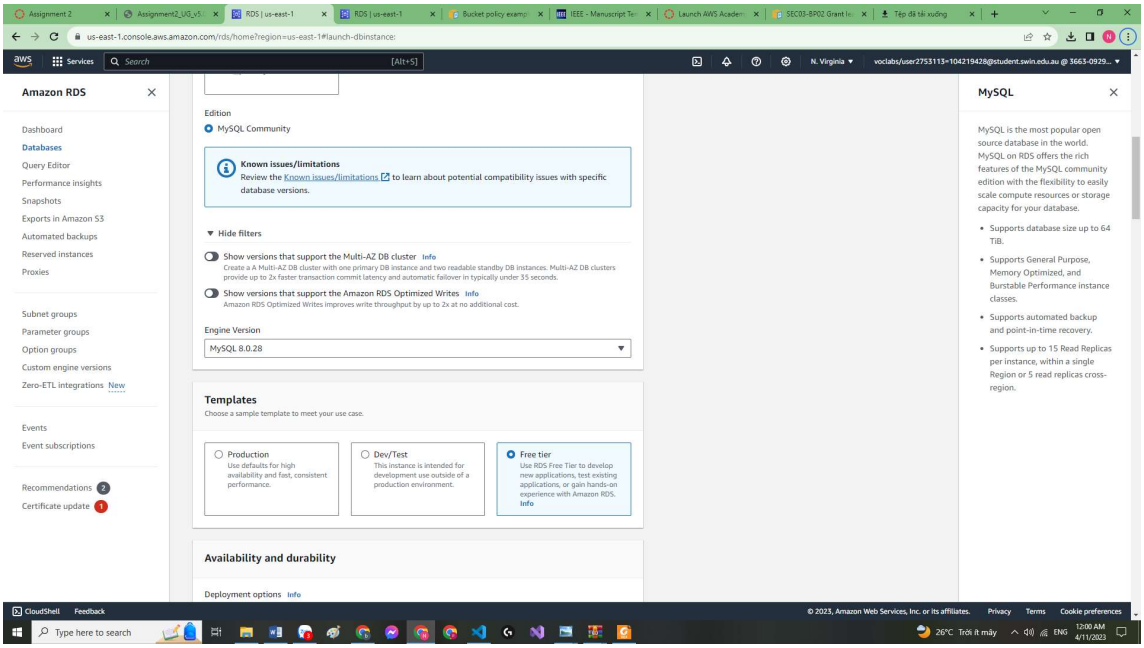

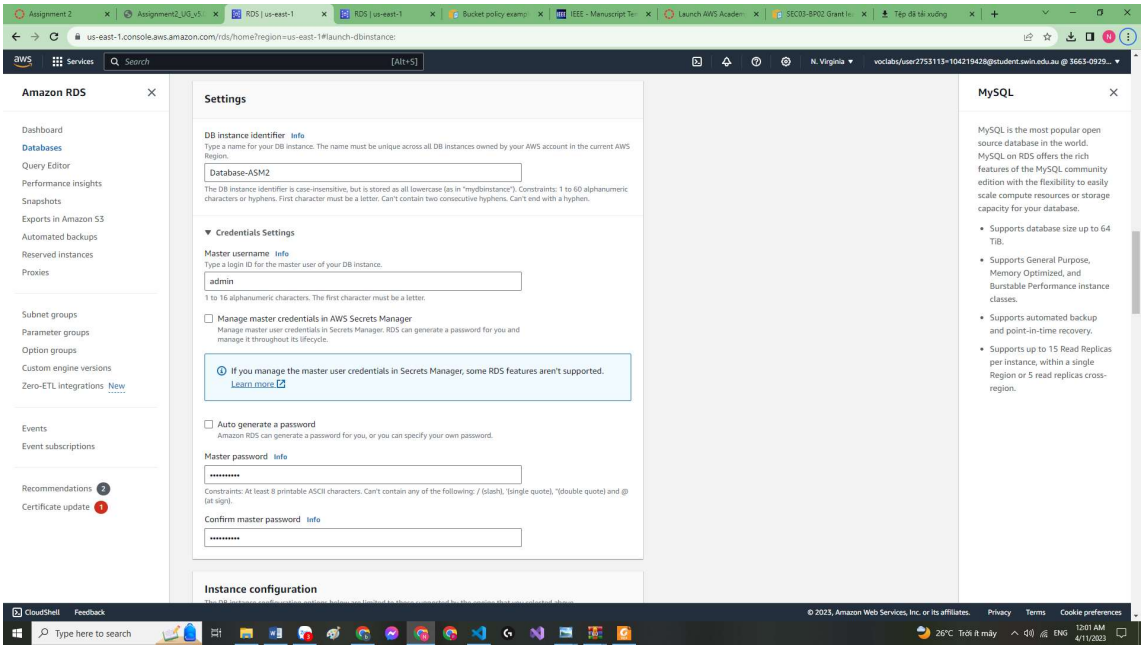

Password: lickmya707

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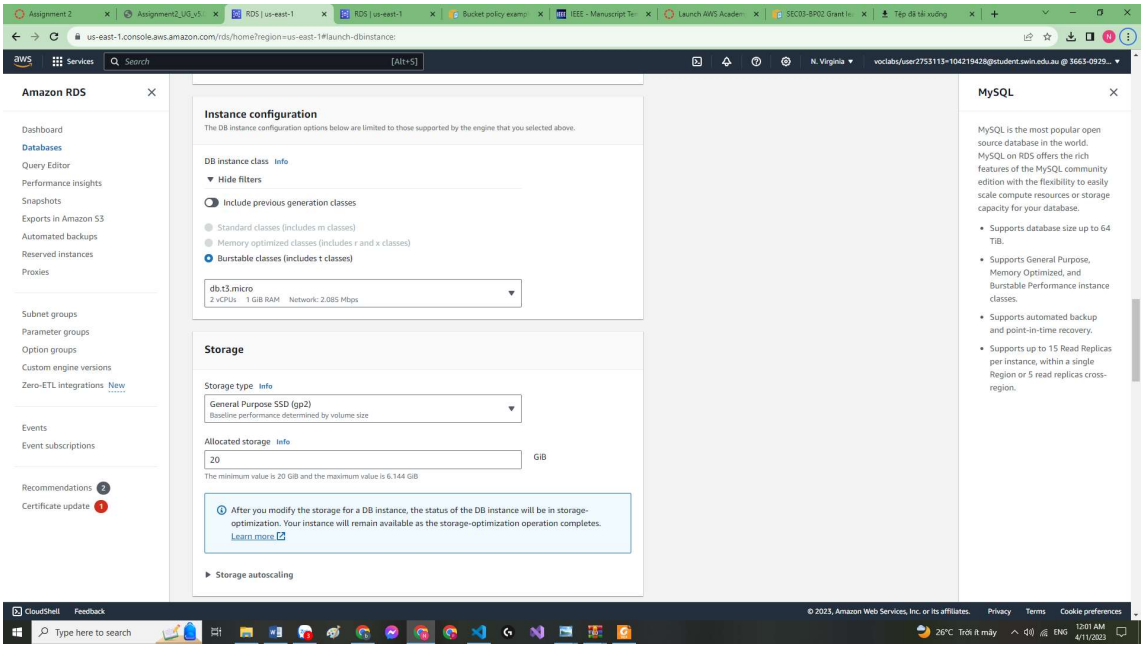

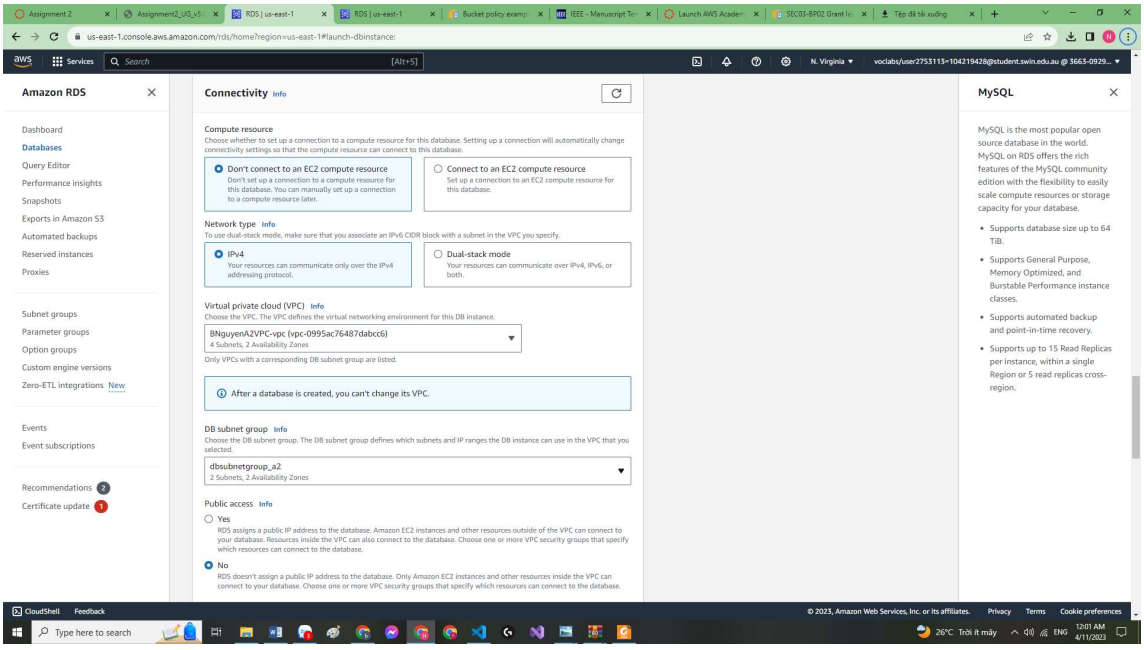

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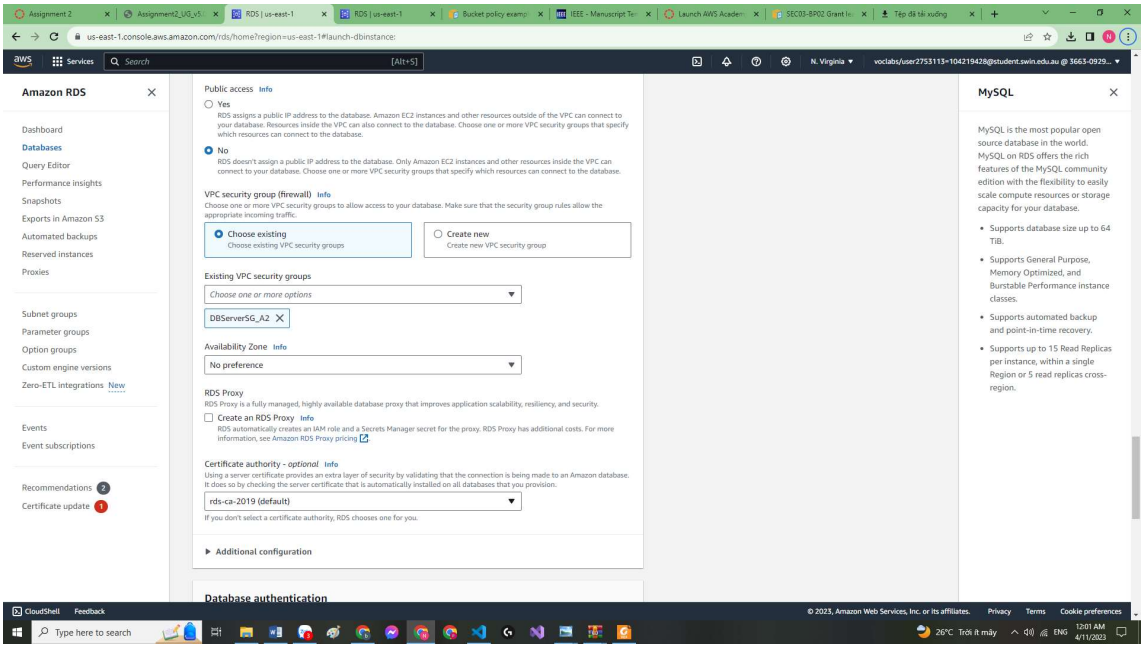

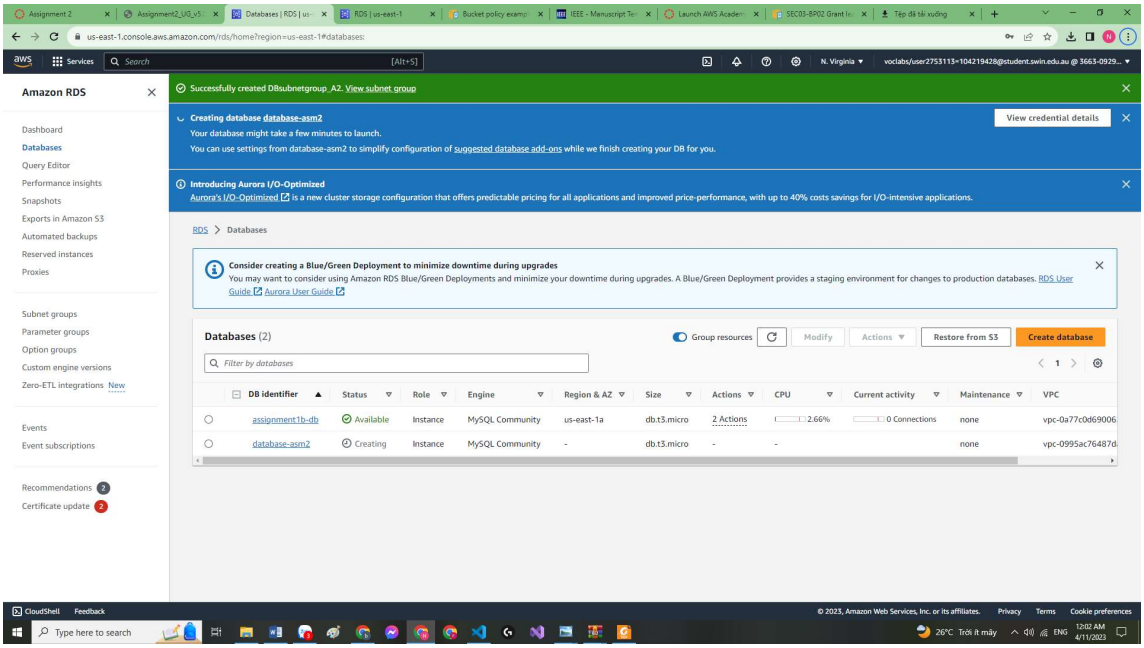

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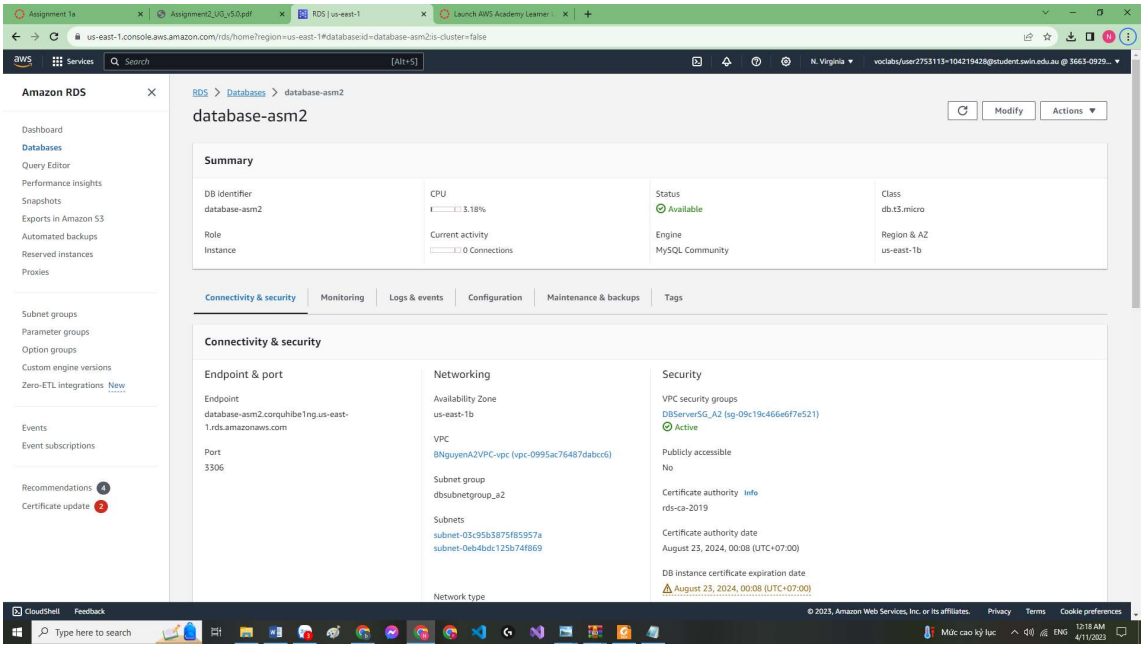
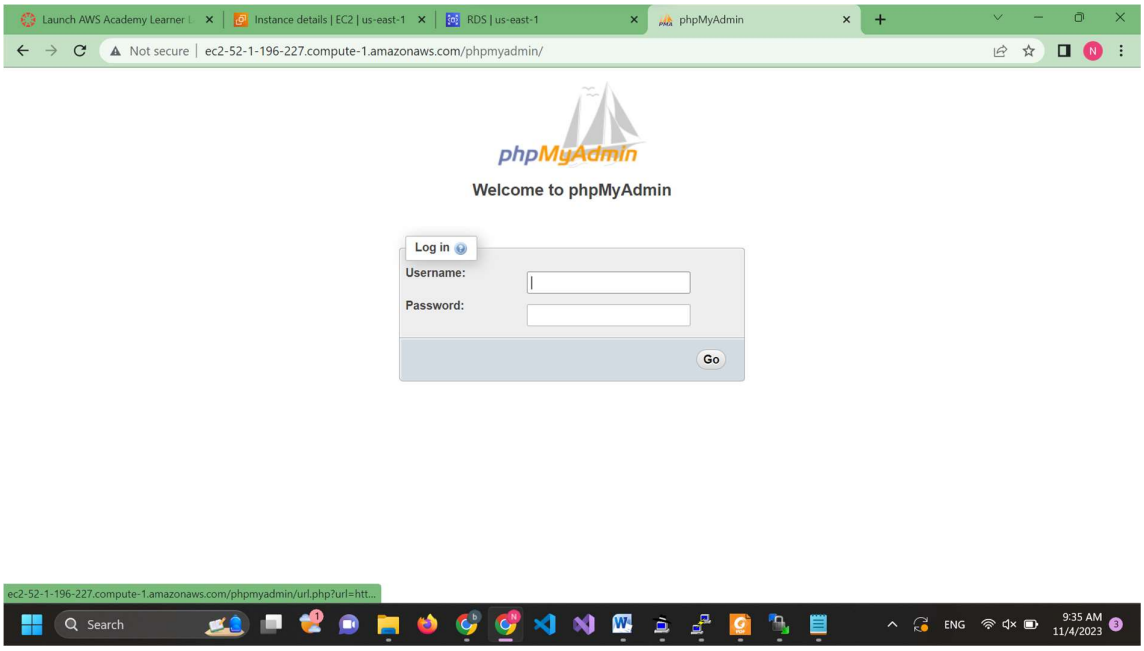


Access phpmyadmin through ec2 instance

http://ec2-52-1-196-227.compute-1.amazonaws.com/phpmyadmin/



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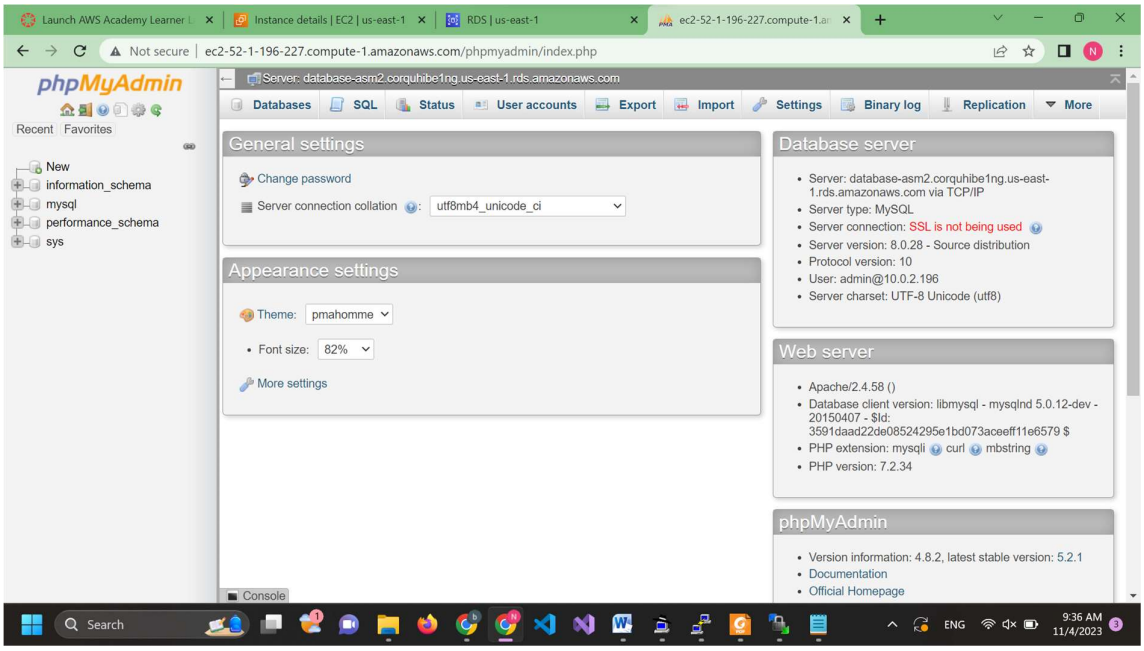
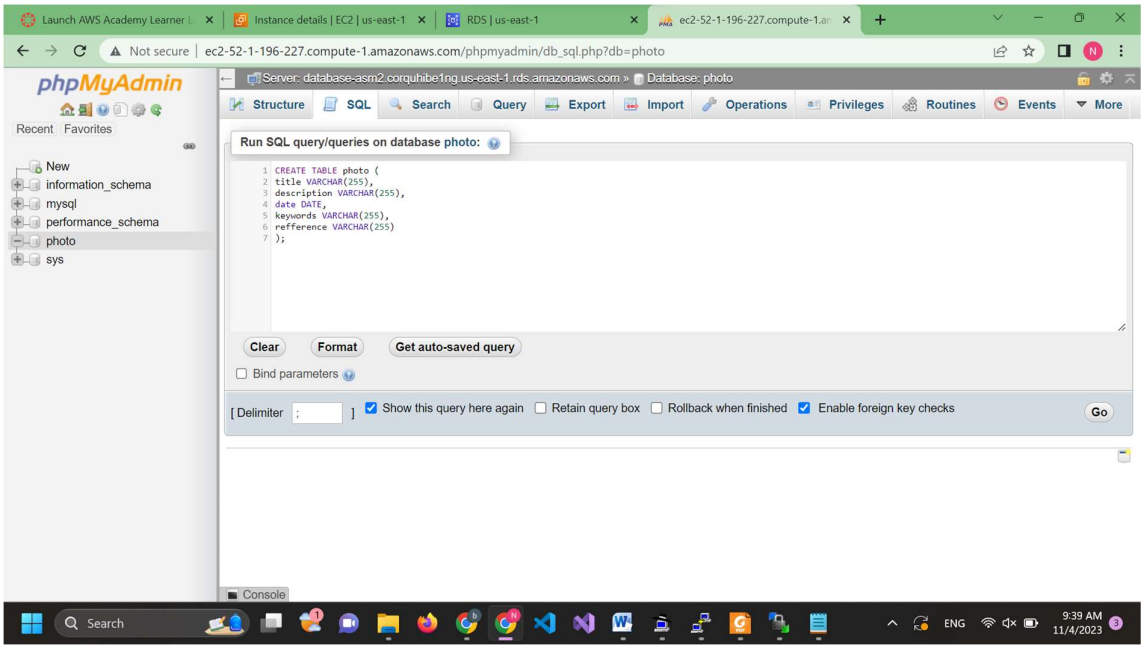


Create the database call photo and create its table using this SQL

```
CREATE TABLE photo (
title VARCHAR(255),
description VARCHAR(255),
date DATE,
keywords VARCHAR(255),
refference VARCHAR(255)
);
```



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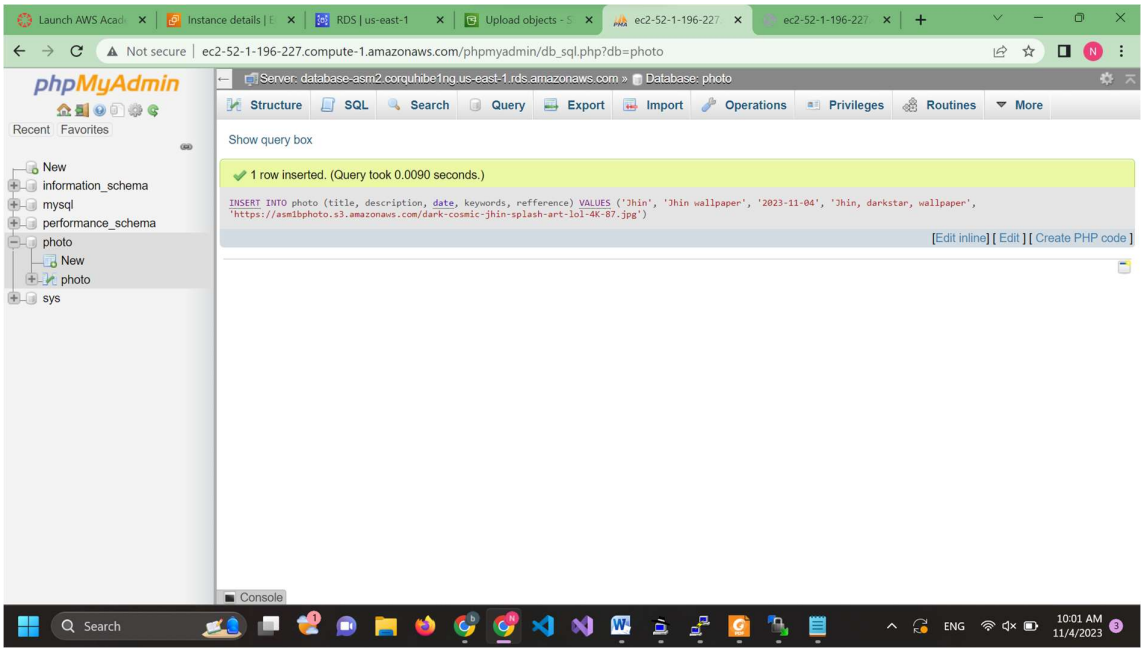
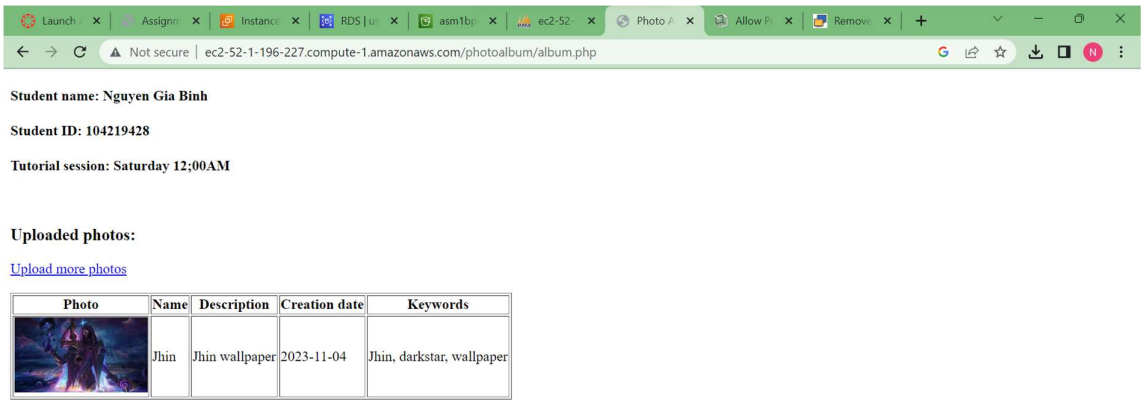
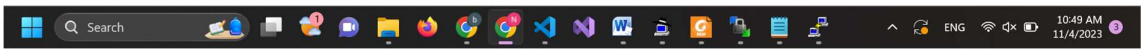


Test if the Photo is visible when access from EC2 public DNS (this is before I change the bucket policy)





Testing upload photo

There are 2 broken row because I change the photouploader file so it got broken but the 3 attempt is using the original photouploader php file.

* There was an error in this step but I forgot to take screenshot, You need to create a folder name “uploads” in order to upload photo and I created it in the photoalbum folder*

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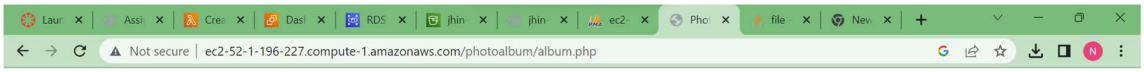


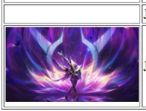
Student name: Nguyen Gia Binh

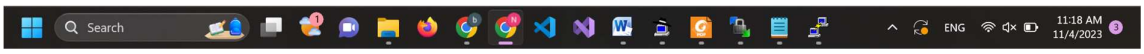
Student ID: 104219428

Tutorial session: Saturday 12;00AM

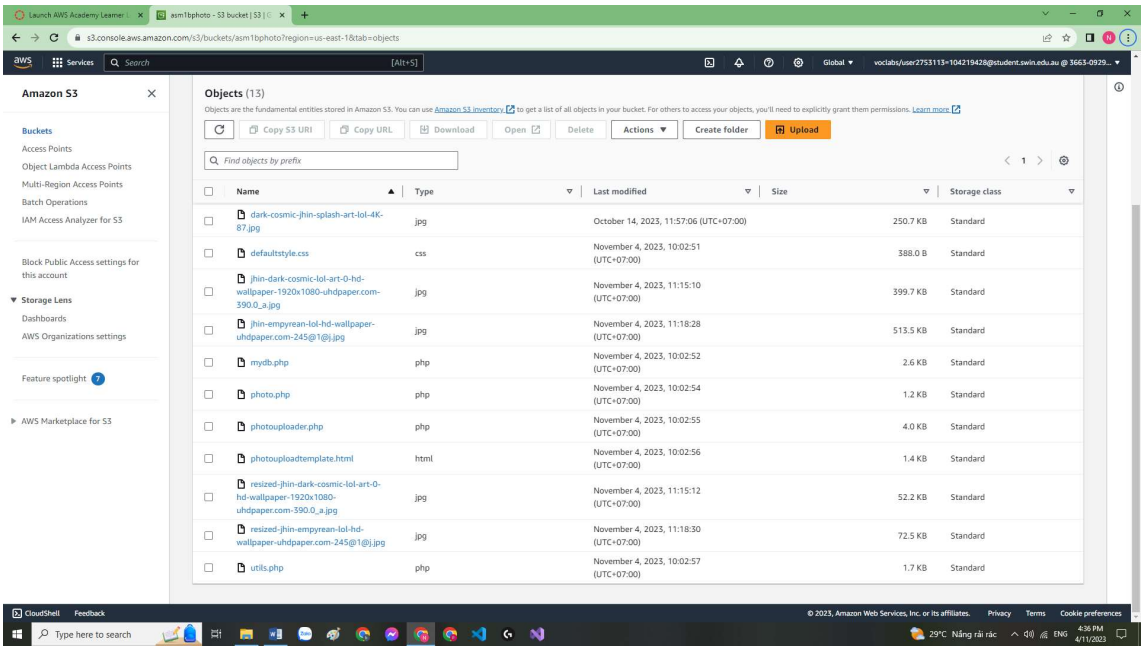
Uploaded photos:

Upload more photos

Photo	Name	Description	Creation date	Keywords
	Jhin	Jhin wallpaper	2023-11-04	Jhin, darkstar, wallpaper
	Jhin_cool2	Jhinattack2		attack ult
	Jhin_cool2	Jhinattack2		attack ult
	Jhin_cool2123	123123	2023-11-04	attack ult12323123



Resizing photo: It is the 2 rows above the last row in this screenshot below



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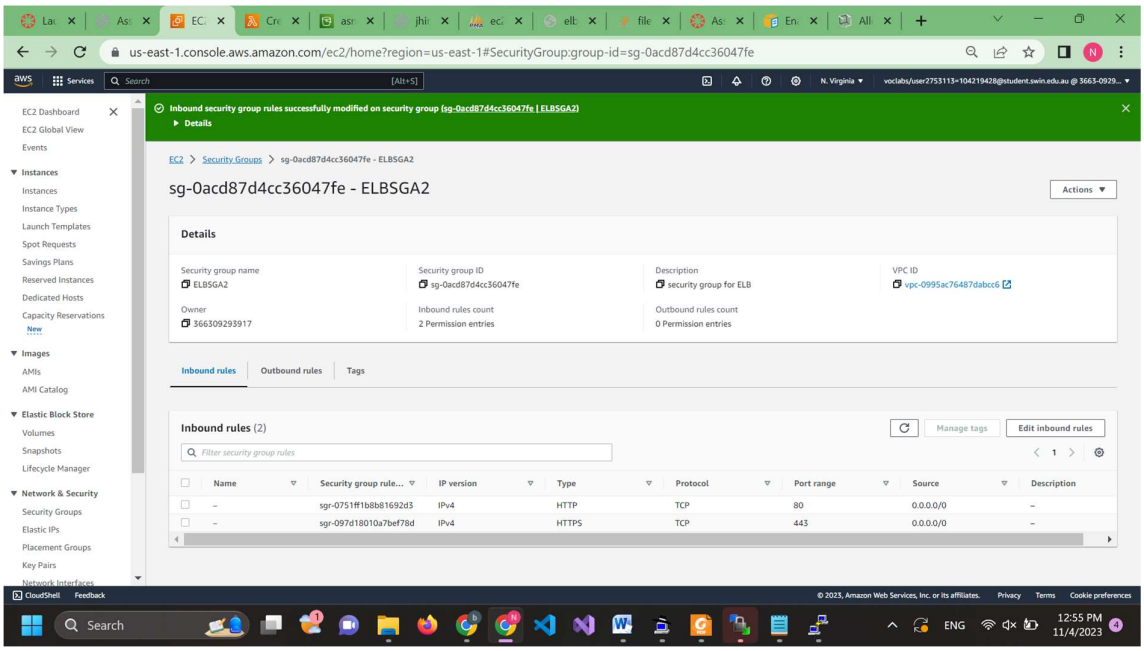
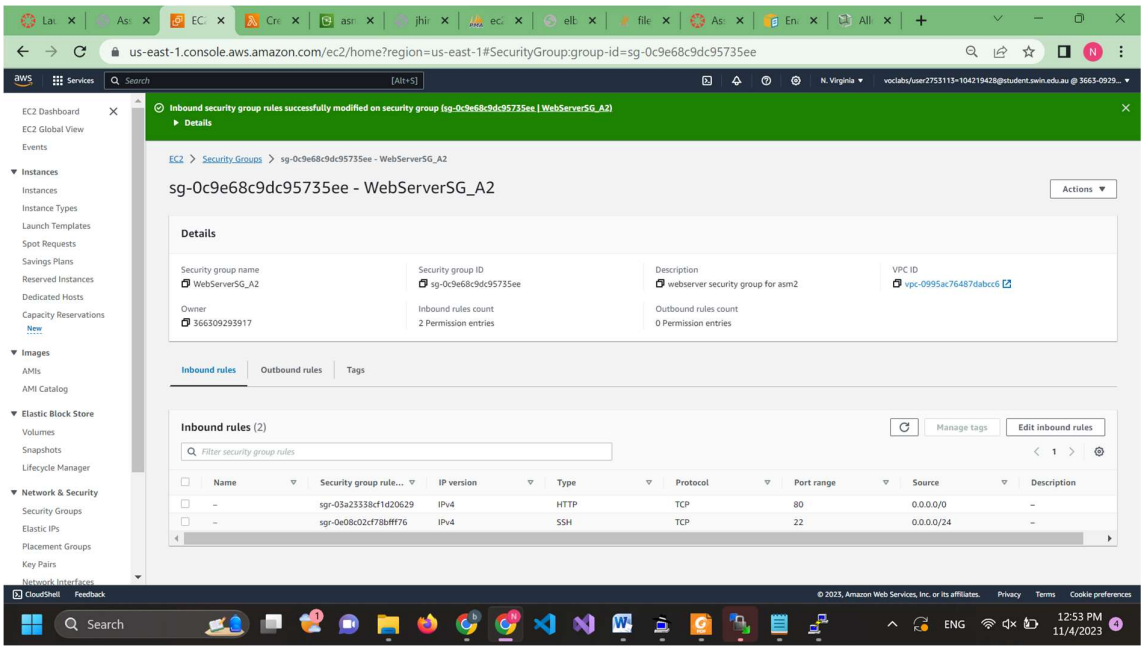
2.8: Security group





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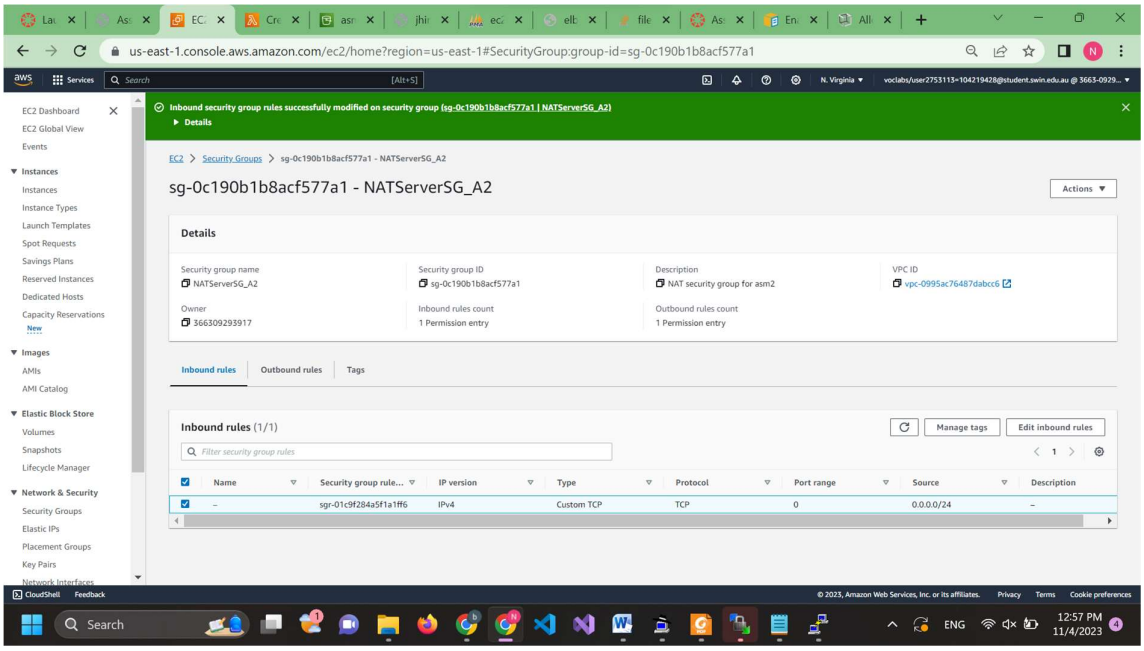

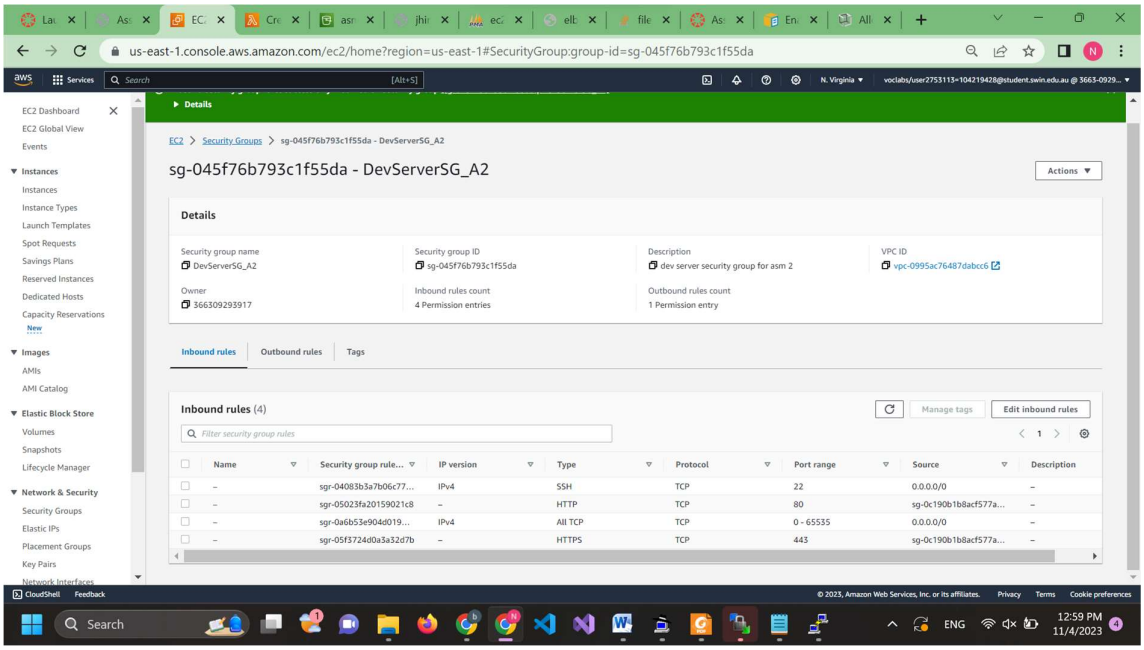

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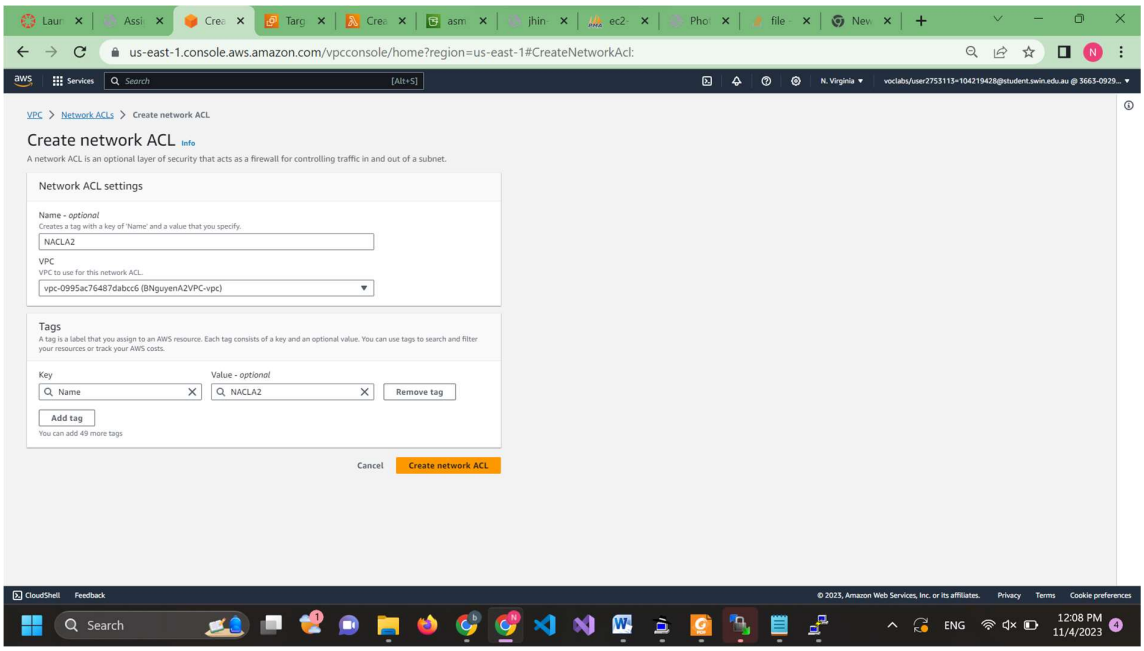
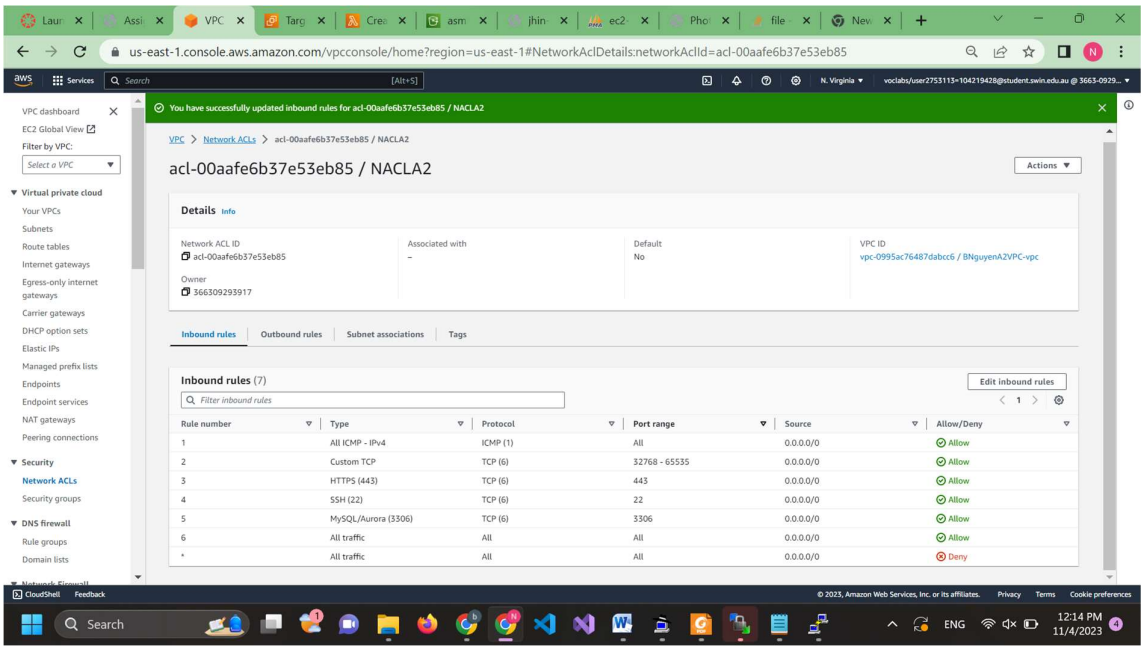
2.9: Network ACL





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