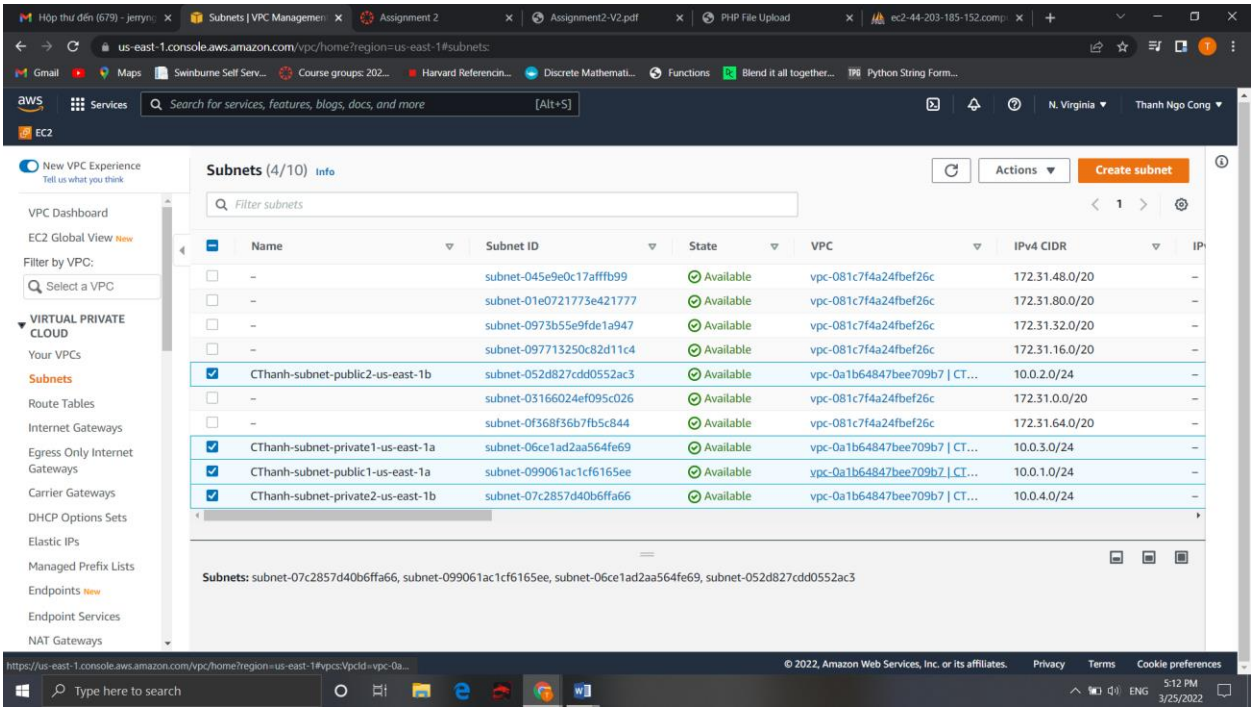
SWINBURNE UNIVERSITY

# Assignment 2

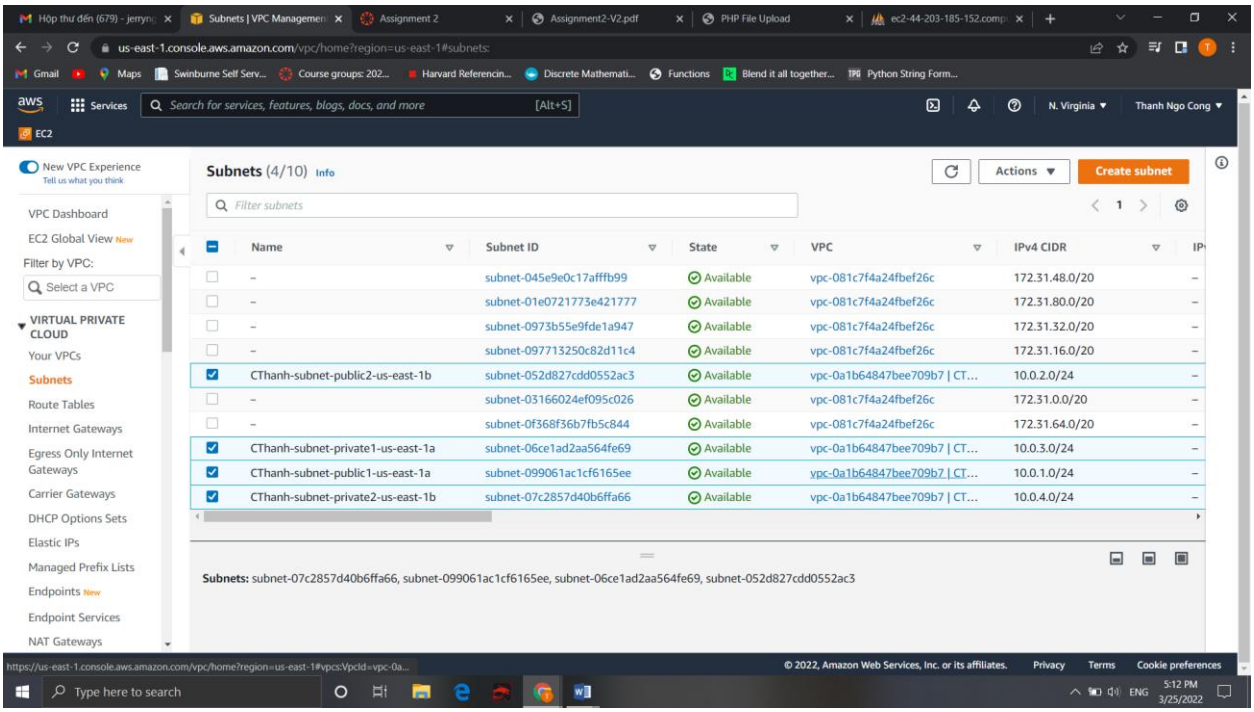
COS20019

CONG THANH NGO - 103433609

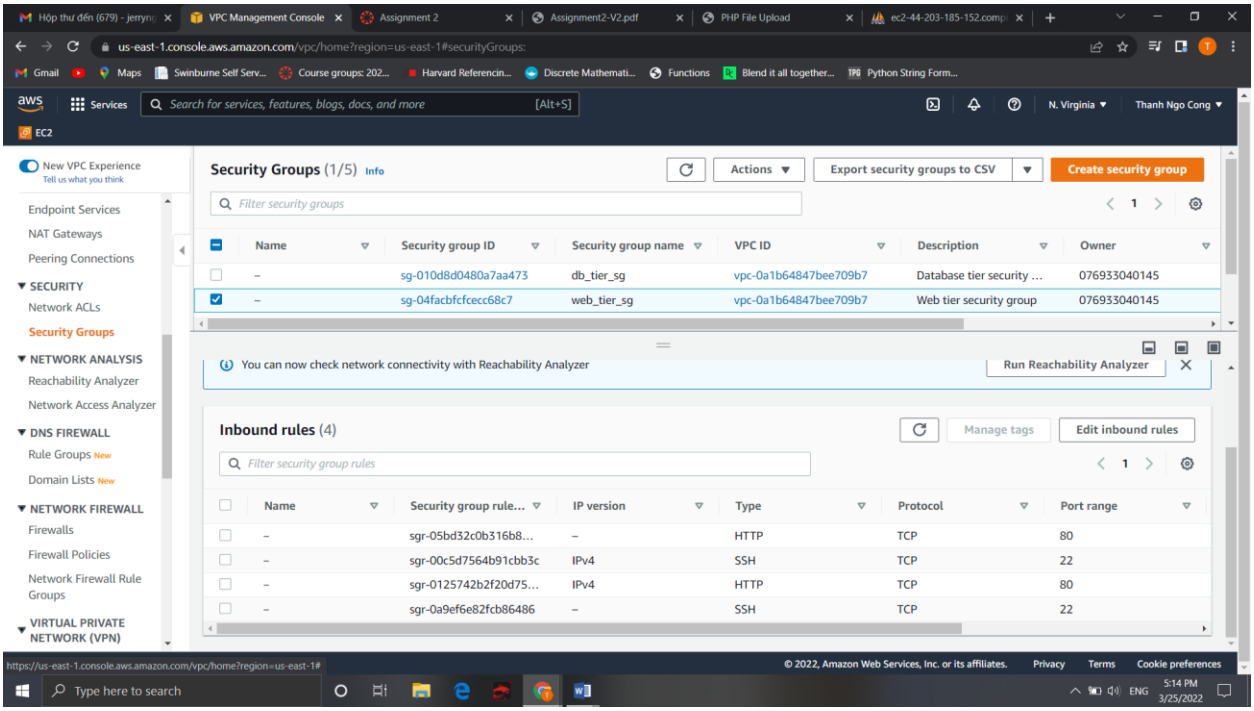
# 1 VPC Subnets



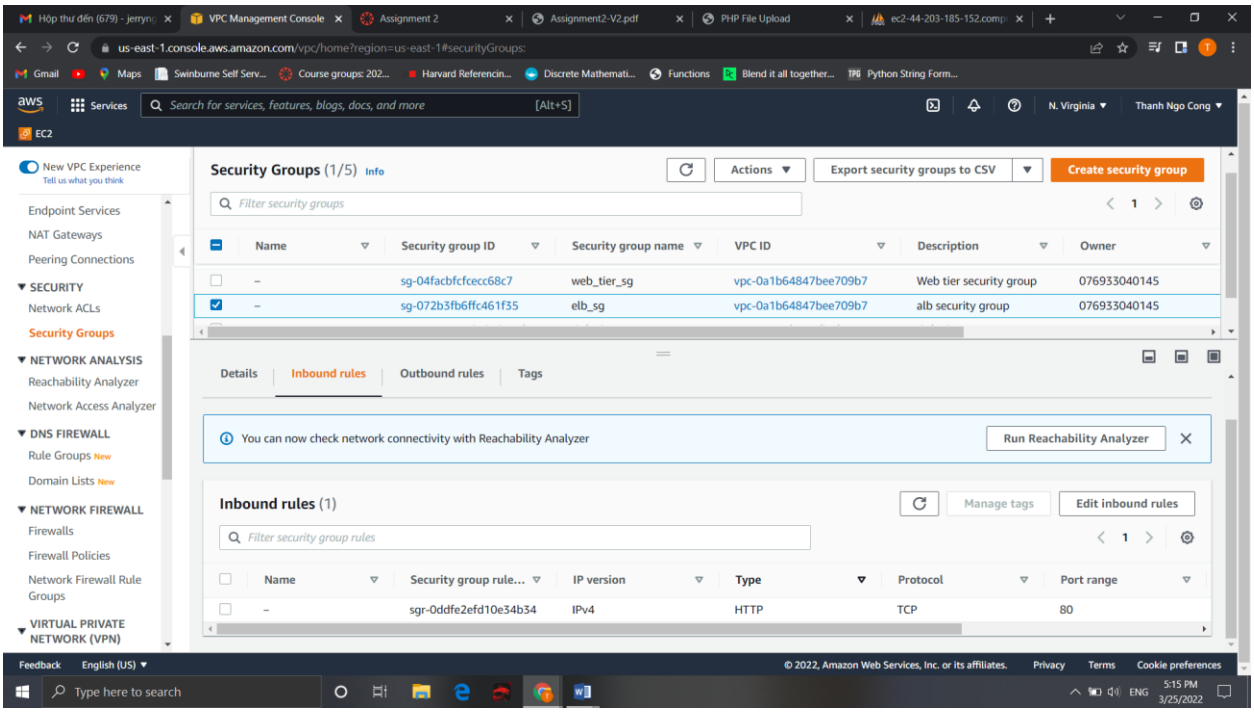

# 1.1 VPC Route Table



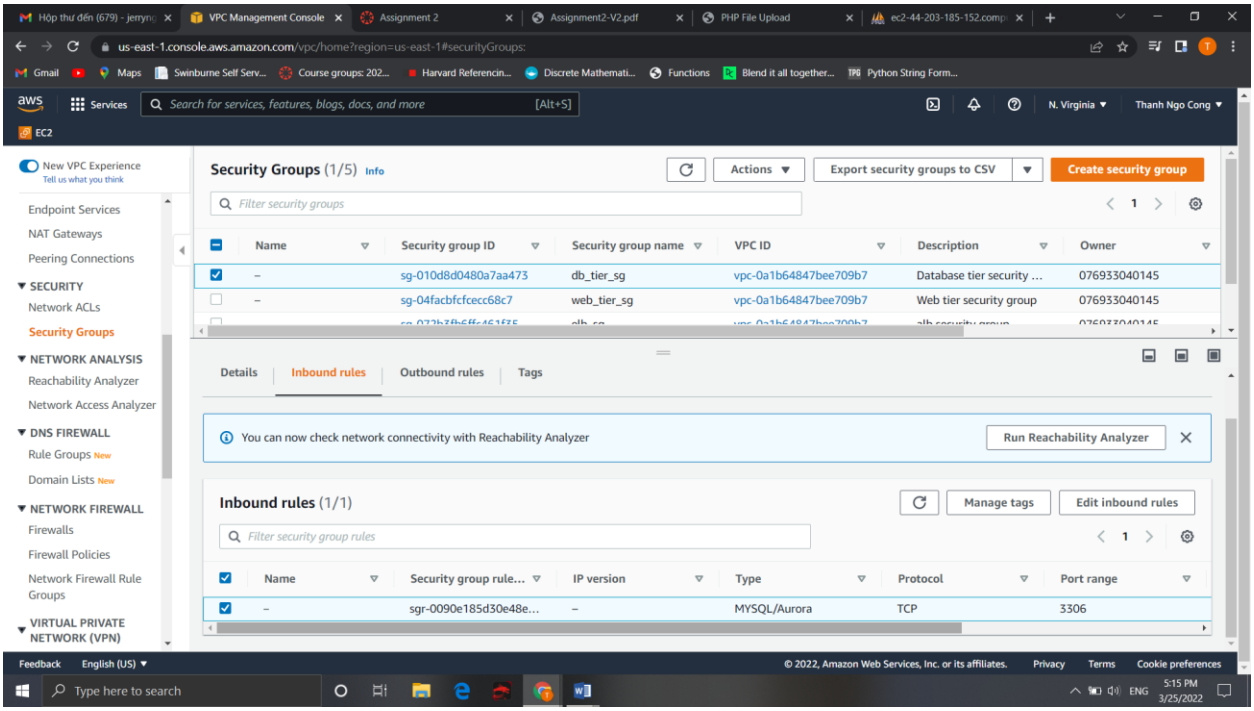
## 2 Web Tier Security Group



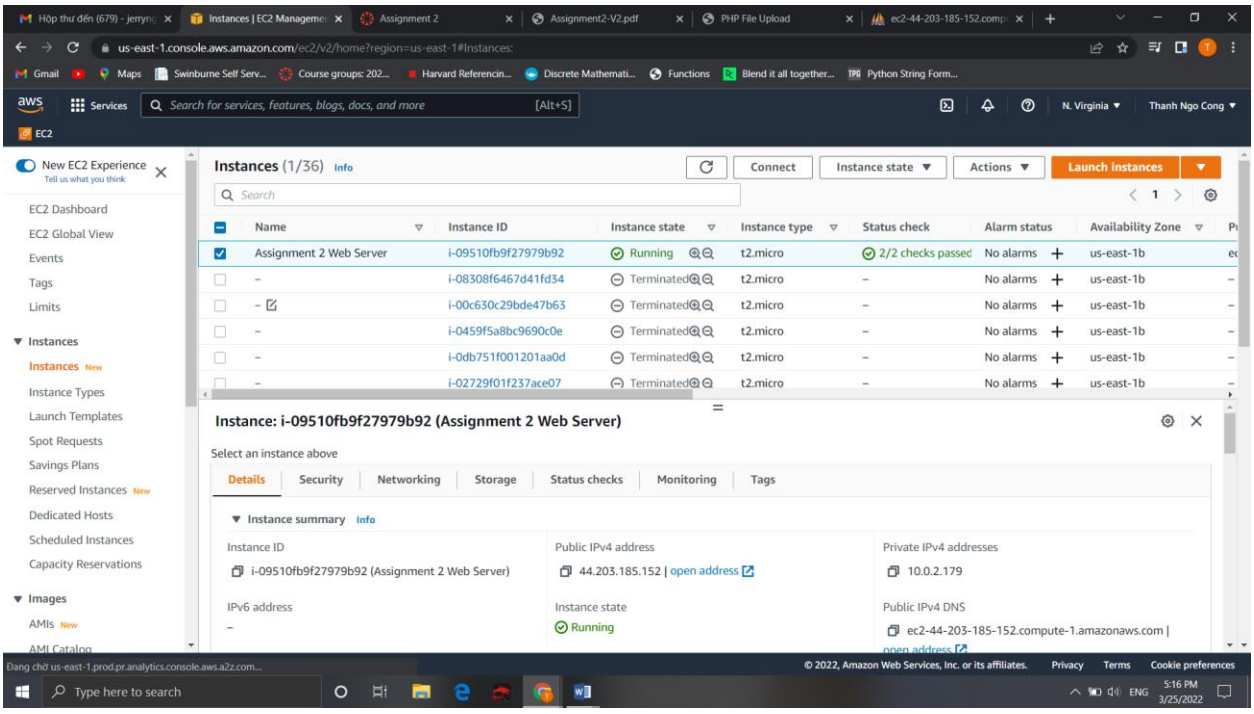

## 2.1 ELB Security Group



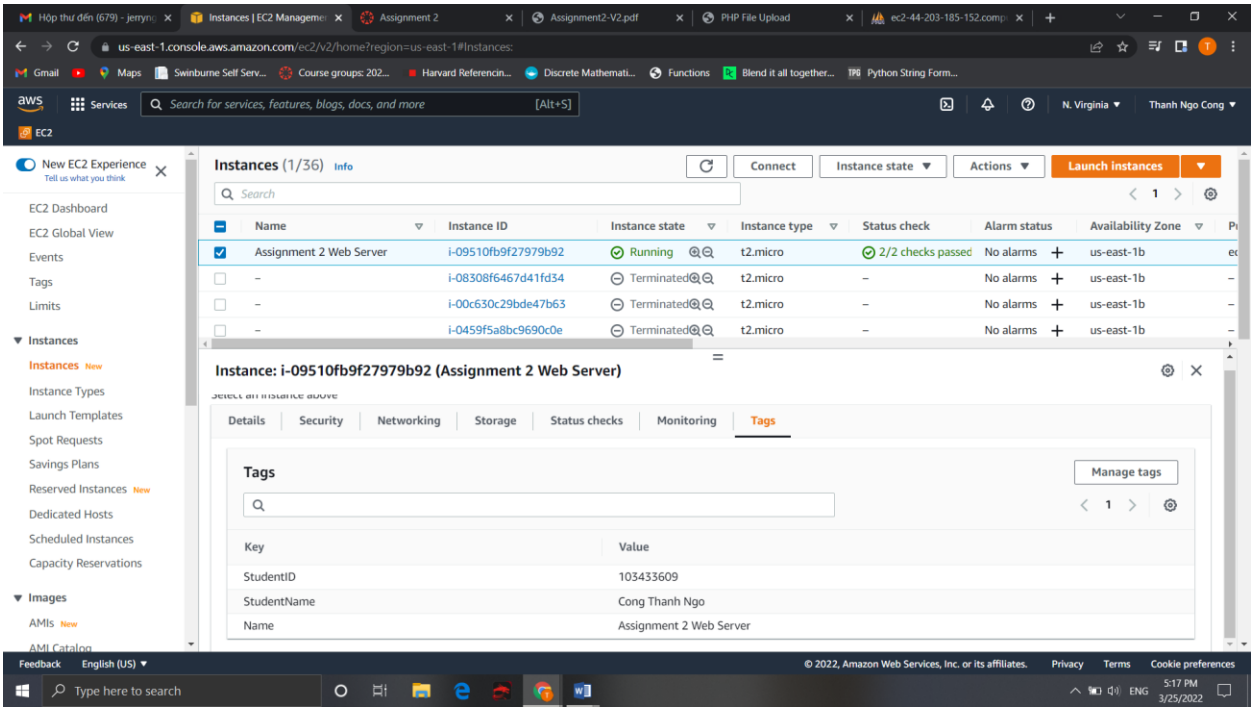
## 2.2 DB Security Group



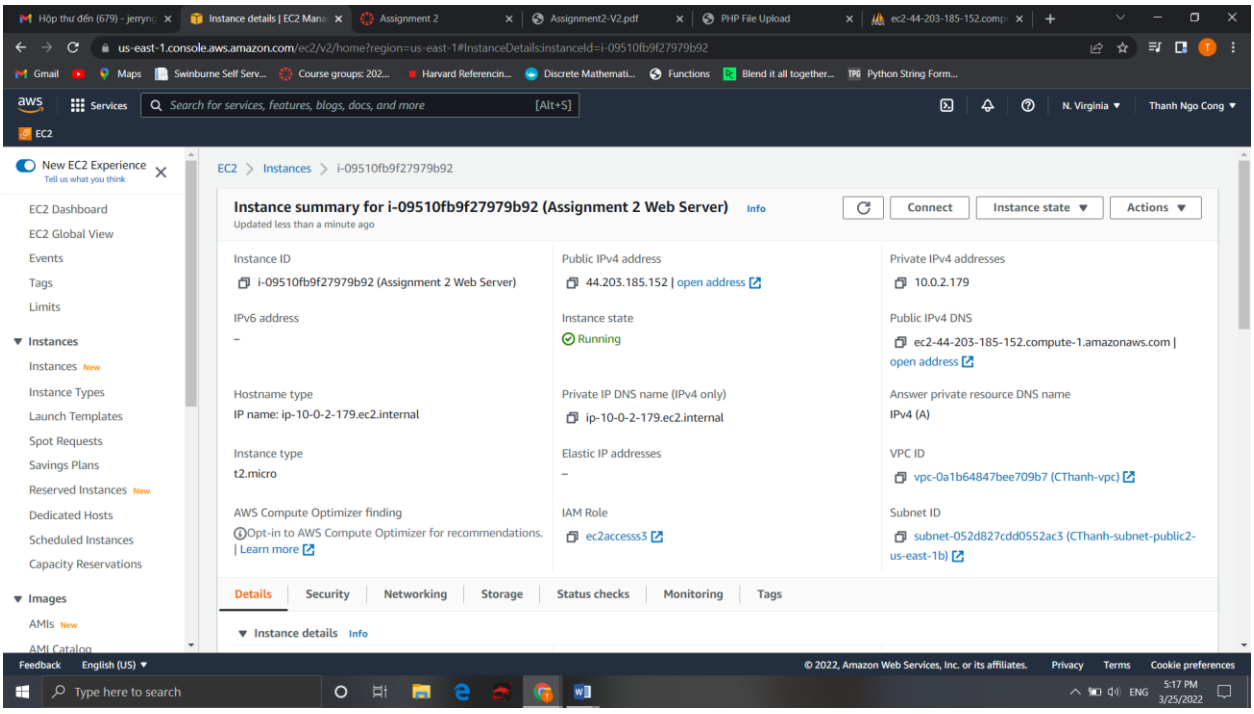

## 3 Running EC2 Instances



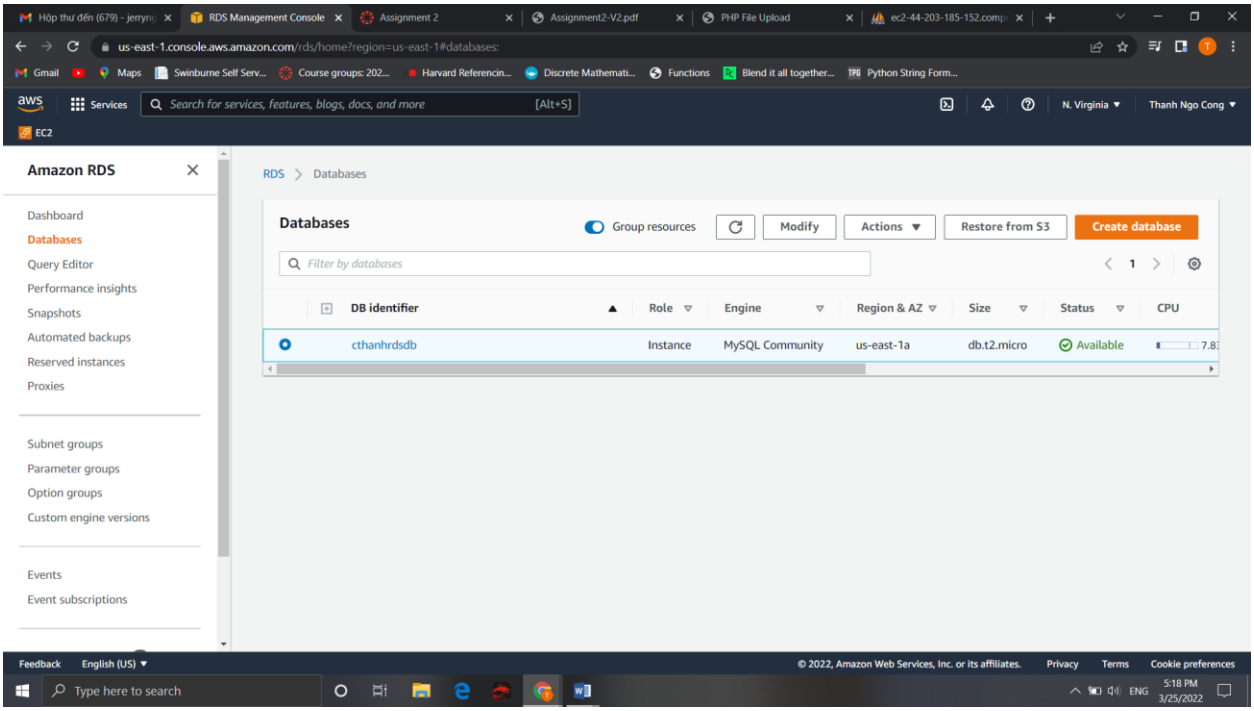
## 3.1 Instance tags



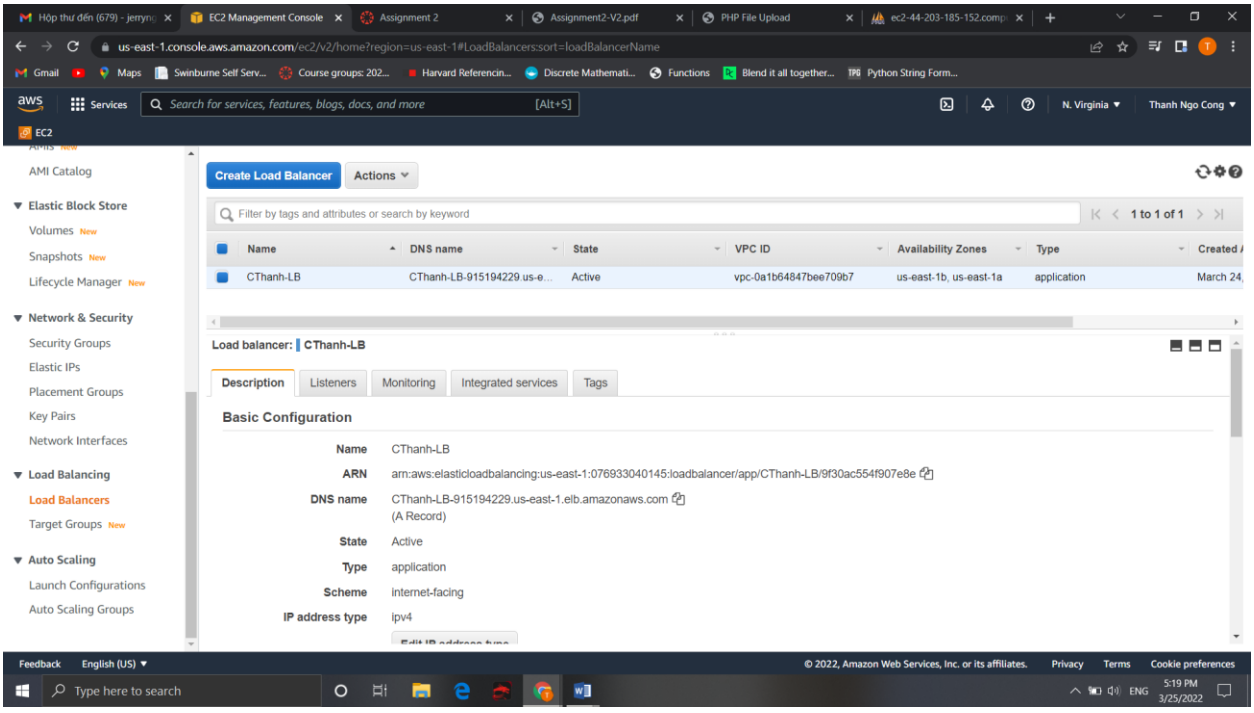

## 3.2 Instance Description



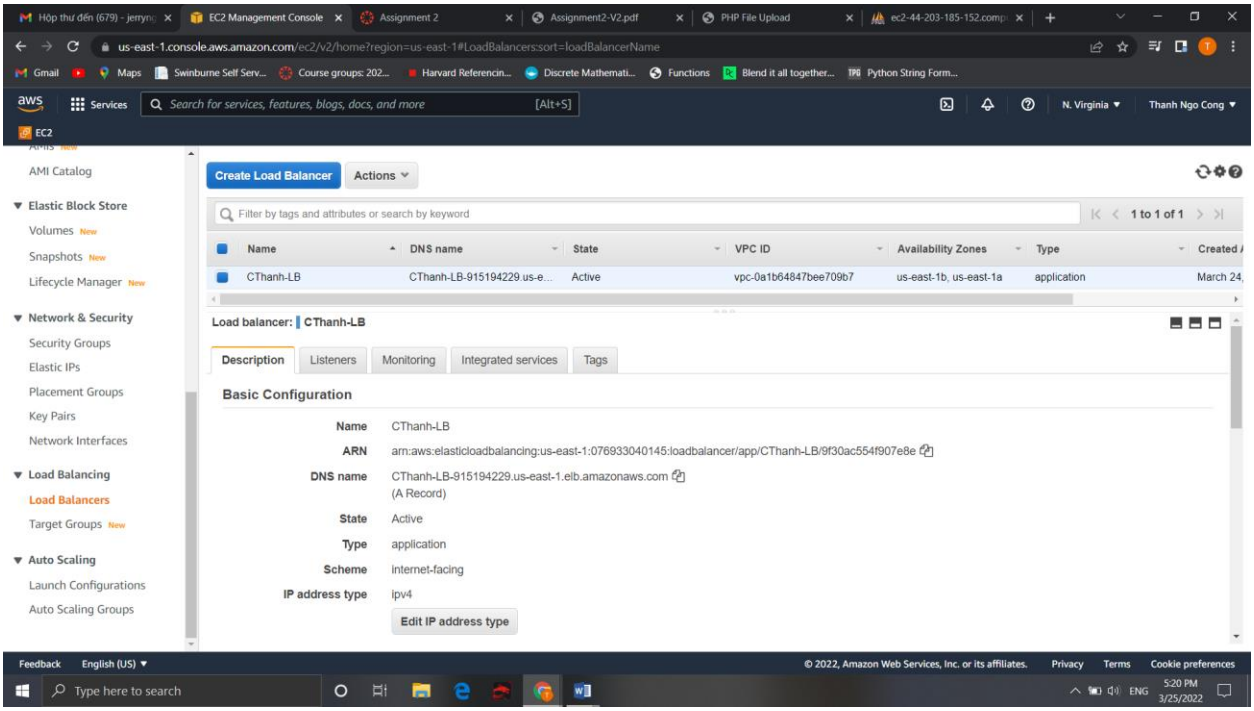
# 4 RDS Instance Page



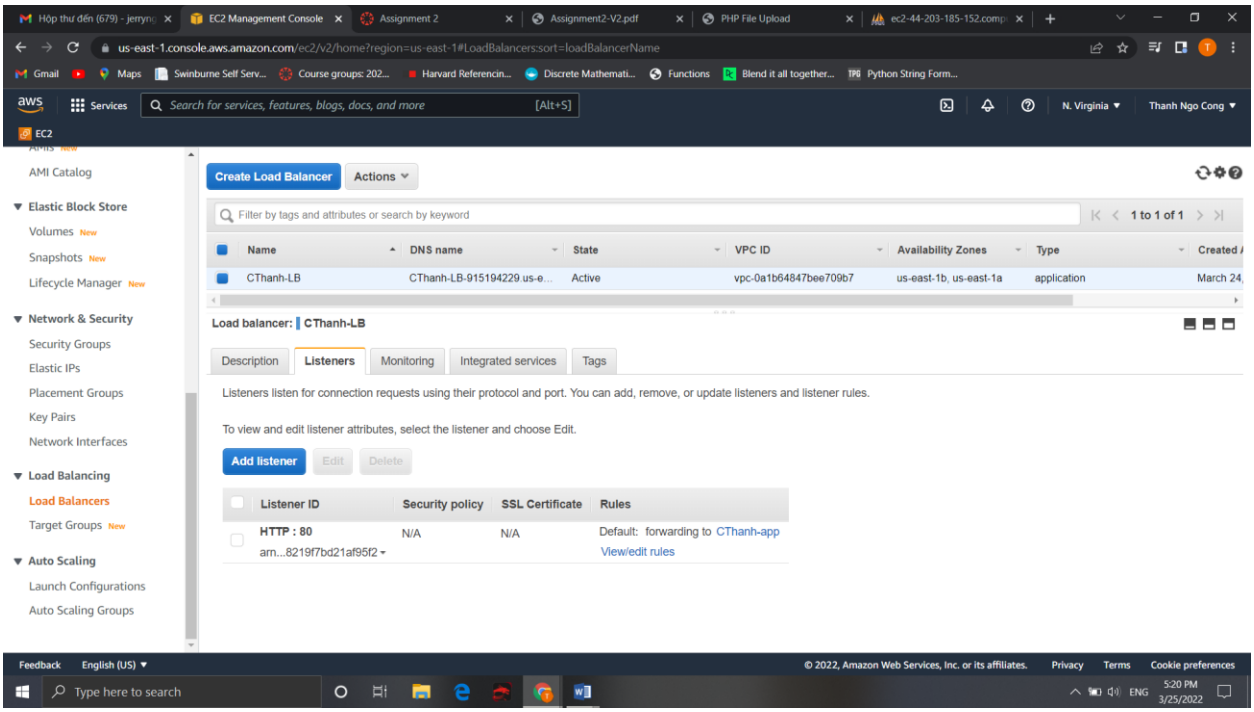

# 5 Lb



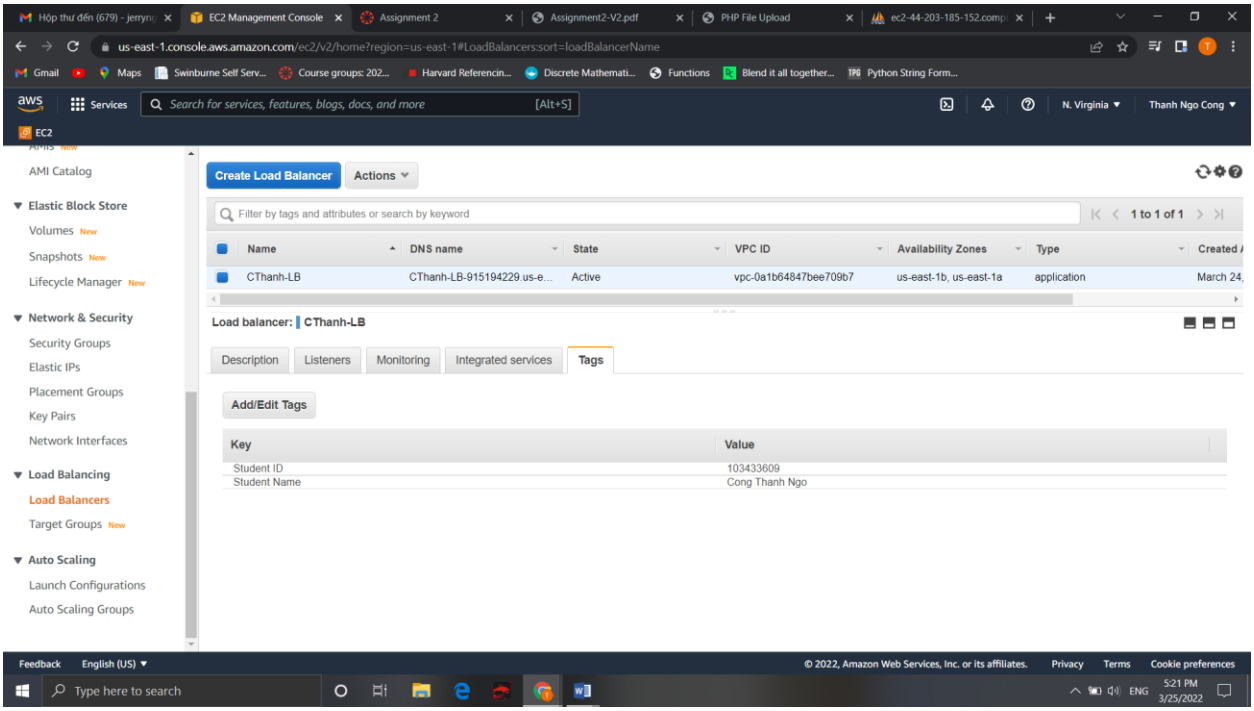
## 5.1 Lb config



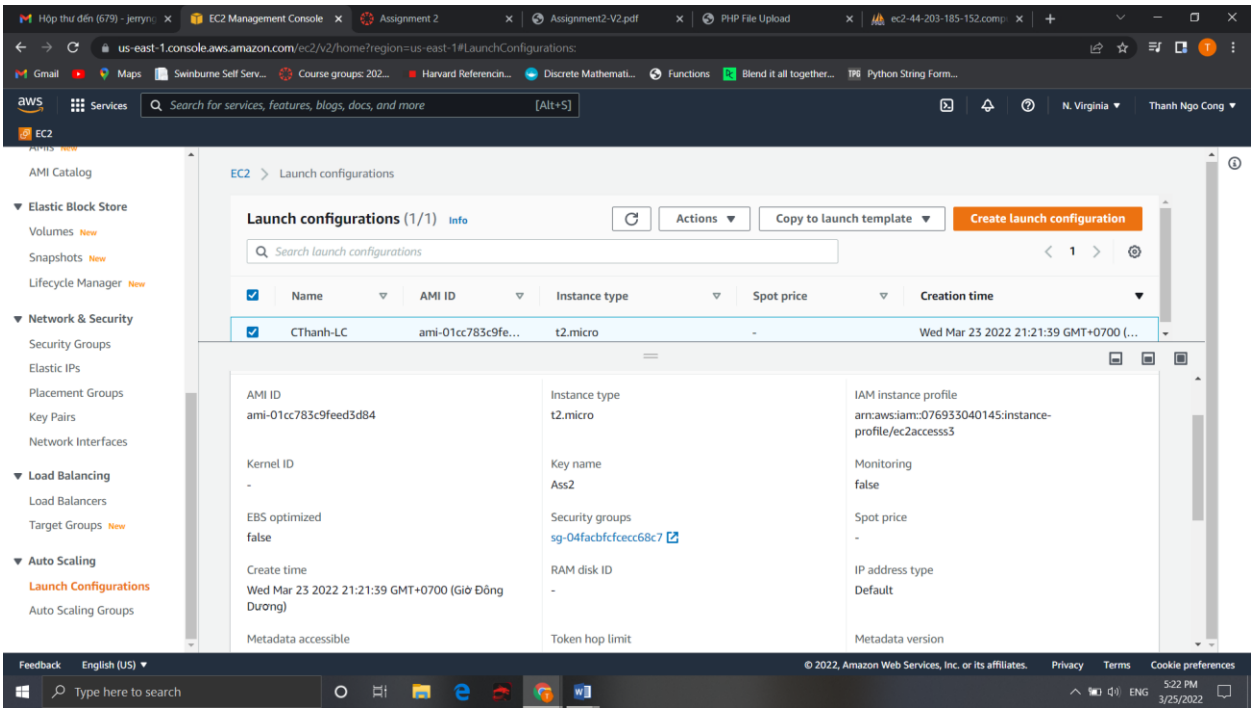

## 5.2 Lb Listener



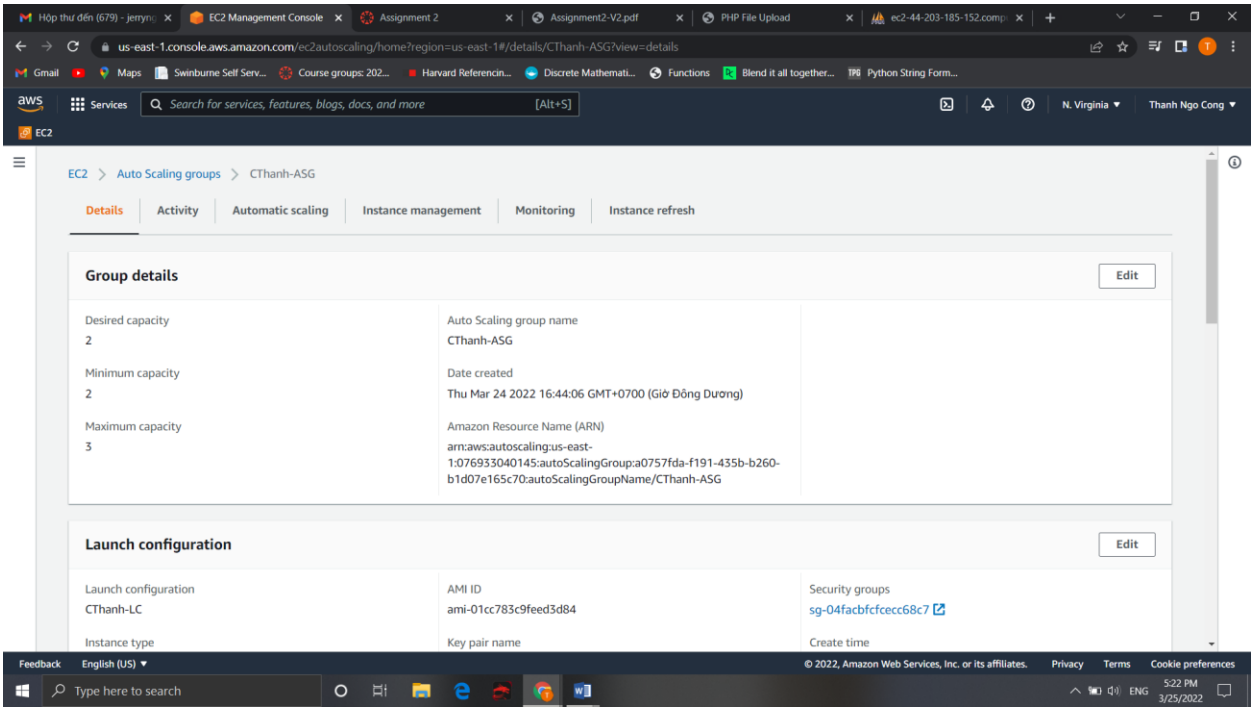
## 5.3 Lb Tags



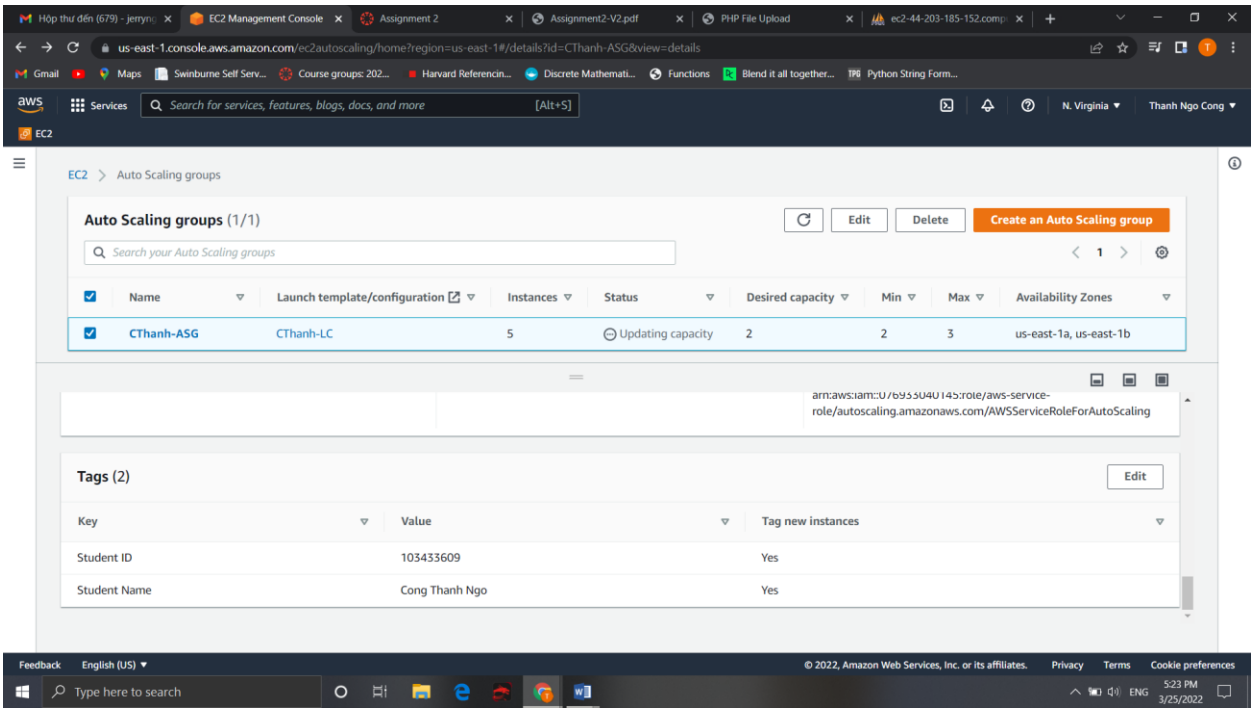

# 6 Launch Configuration Details



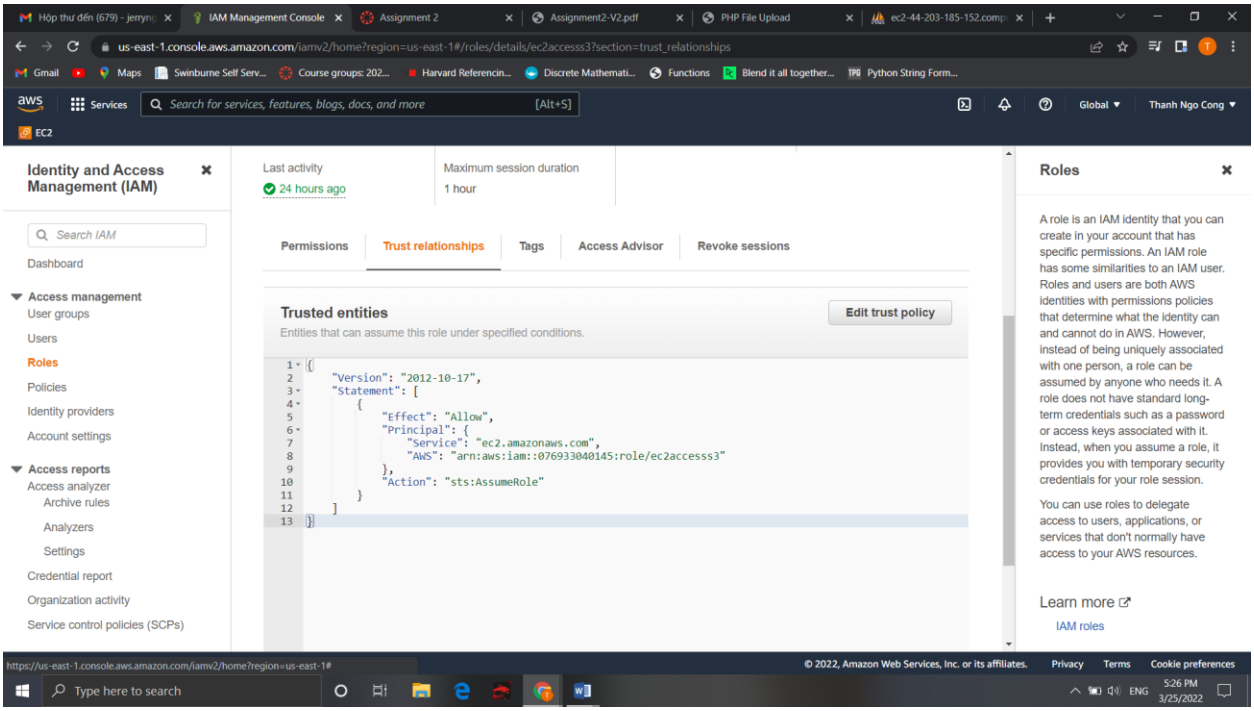
# 7 Auto scaling group



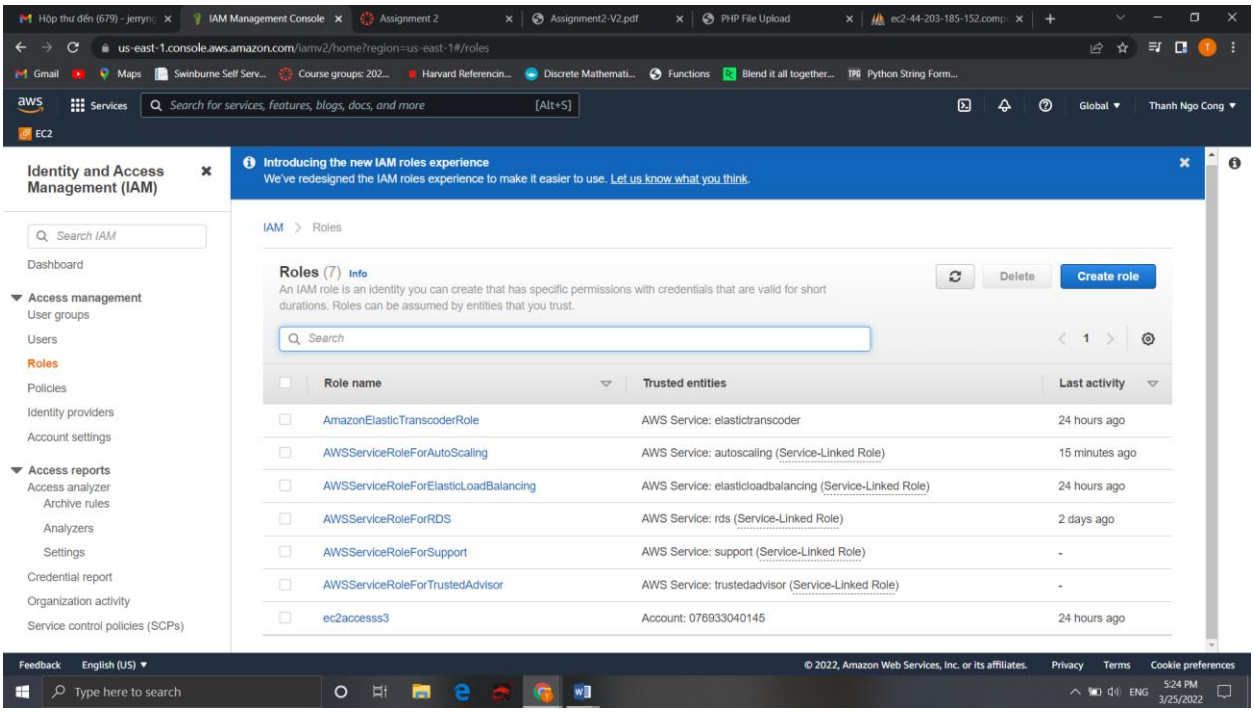

# 7.1 Auto Scaling Tags



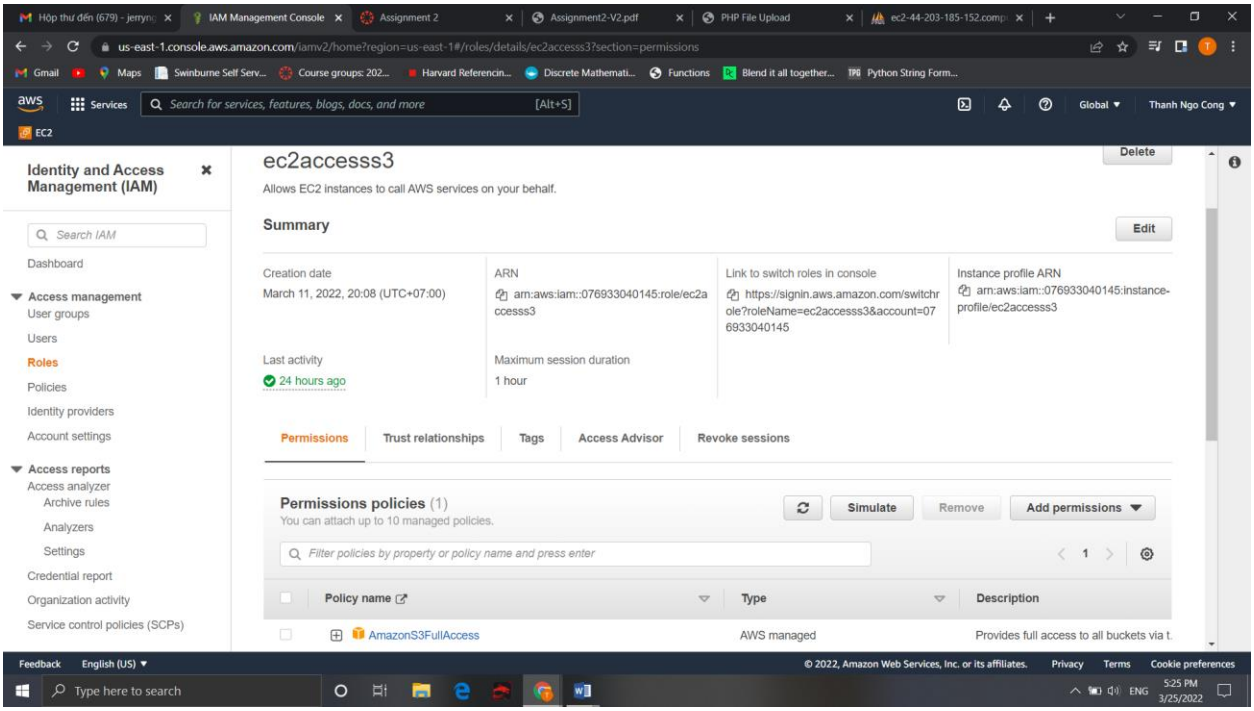
# 8 S3Album Access Policy



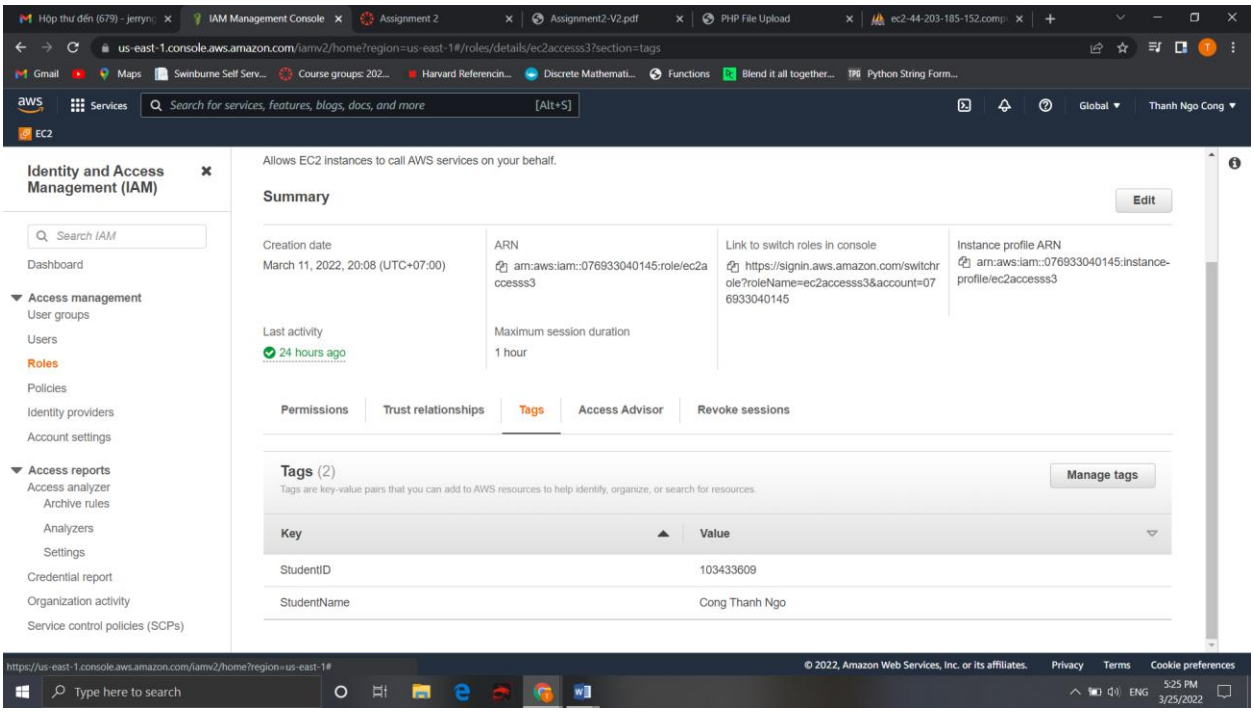

# 9 Role



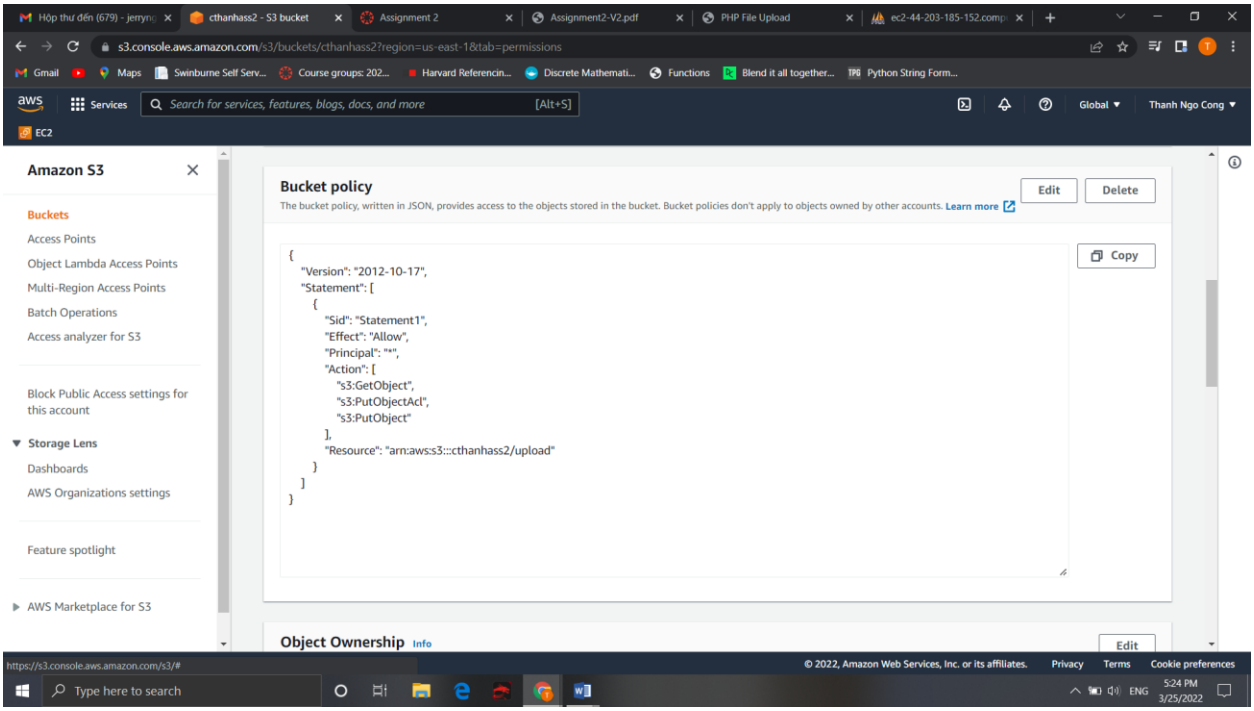
## 9.1 Role Permission



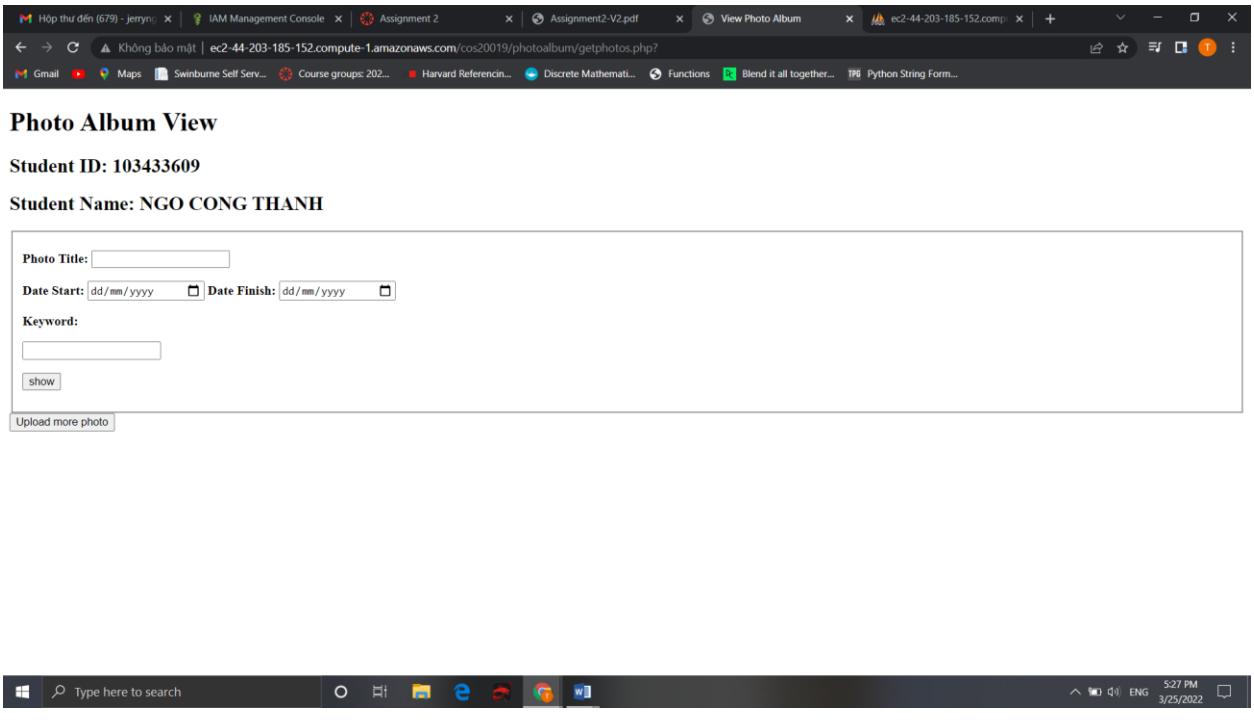

## 9.2 Role Tags



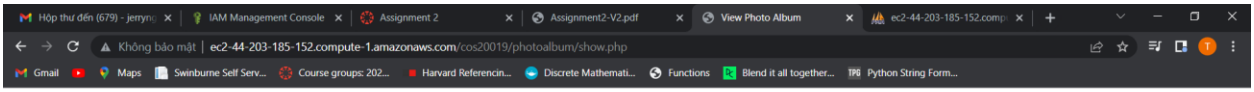
## 10 S3 Bucket Policy




## 11 Photo Viewer Page



## 11.1 Photo Viewer Result

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| title | date | keyword | description | reference |
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| photo2 | 2022-03-23 | aws3 | Assignment 2 | https://cthanhass2.s3.amazonaws.com/upload/Screenshot%20%28269%29.png |
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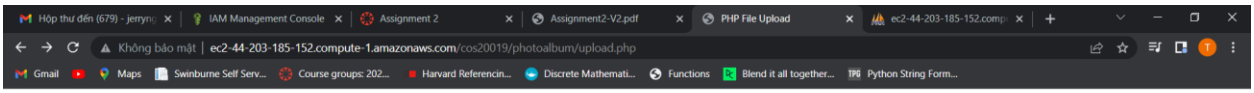
| photo5 | 2022-03-24 | aws6 | Assignment 2 | https://cthanhass2.s3.amazonaws.com/upload/witcher3.jpg |
| photo6 | 2022-03-25 | aws7 | test upload | https://cthanhass2.s3.amazonaws.com/upload/Screenshot%20%28291%29.png |


## 12 Photo Uploader Page




**Student ID: 103433609**

**Student Name: NGO CONG THANH**

Upload photo Form

Photo title

Select a photo Chon tệp Không có tệp nào được chọn

Description

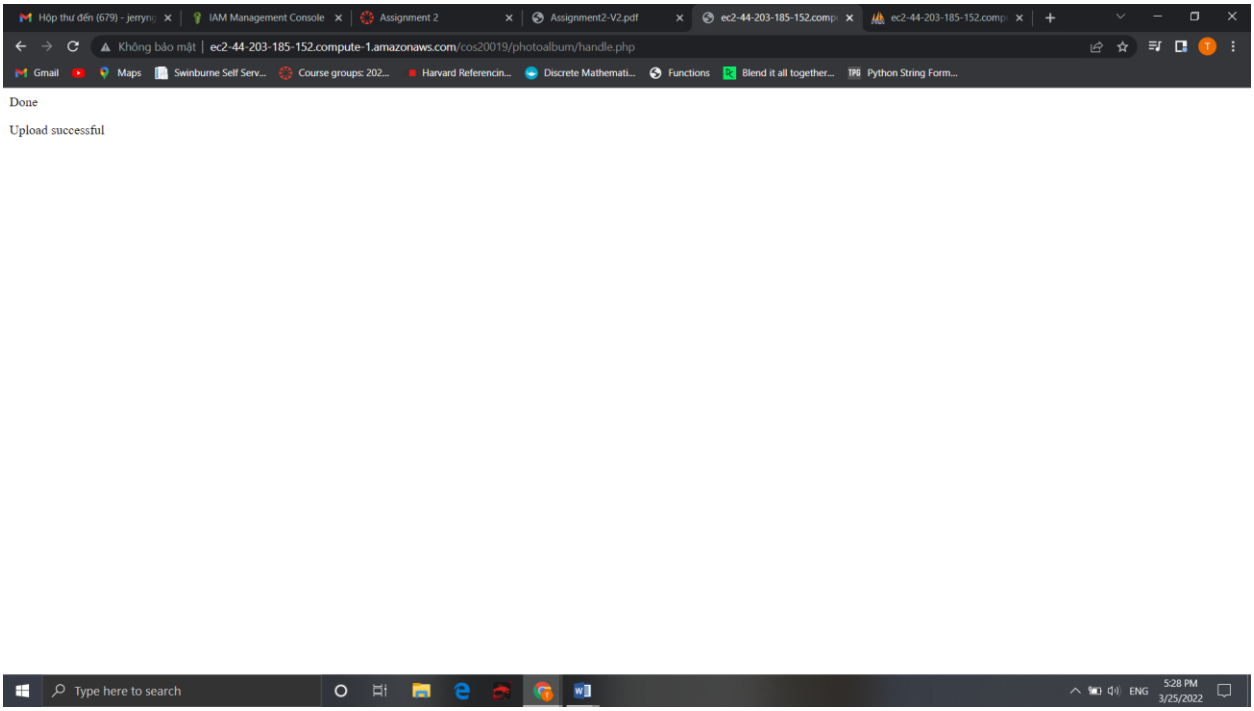
Date dd/mm/yyyy

Keywords (separated by semicolon, e.g. keyword1; keyword2; etc.)

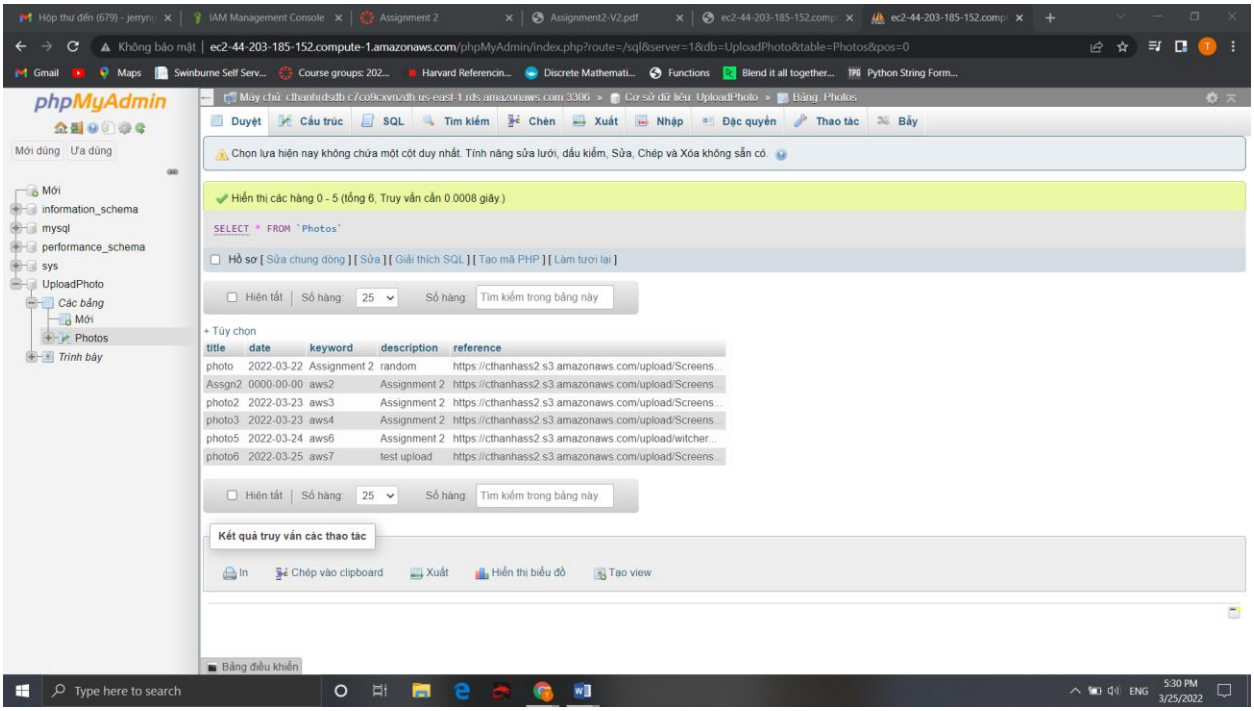
Upload

Go to Photo Album view

## 12.1 Photo Upload Result (Success)




## 13 phpMyAdmin Database handling



# 14 Question

## 14.1 Did you face any challenges? Explain them – and how you overcame them?

During the implementation for this assignment, I have faced several obstacles. Setting up the EC2 instance is the thing that I haven't done in previous assignment, but now I built a upload website and a search function website according to reference website that provide php code. Another thing is that The load balancer is not working properly. I have tried to create a Transcoder for the LB but is still not. May be in further assignments, I will try to fix this issue. Cloud Formation is biggest issue that I cannot solve because I have already implemented all the service and to the last step that required to deploy the web server using JSON document. I don't know how to add the existing service into the JSON code.

## 14.2 In terms of your learning, highlight 3 key takeaway points.

Firstly, Cloud Formation should be created first in order to deploy the network and the website server. In addition, the Load Balancer need to connect to right target group. I have failed the health check because wrong target group. Finally, when accessing the RDS database, we need to establish the security configuration to verify the user that access to your RDS instance.

# 15 Reference


Vadadoriya, S., 2018. *Connect AWS RDS MySQL instance with phpMyAdmin ~ ServerKaKa*. [online] Serverkaka.com. Available at: <https://www.serverkaka.com/2018/09/connect-aws-rds-mysql-instance-with-phpmyadmin.html> [Accessed 25 March 2022].

Tuts Make. 2021. *Upload File to AWS S3 Bucket In PHP - Tuts Make*. [online] Available at: <https://www.tutsmake.com/upload-file-to-aws-s3-bucket-in-php/> [Accessed 25 March 2022].

W3schools.com. n.d. *PHP File Upload*. [online] Available at: <https://www.w3schools.com/php/php_file_upload.asp> [Accessed 27 March 2022].