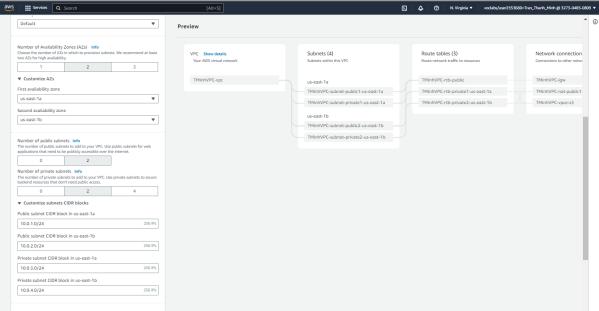
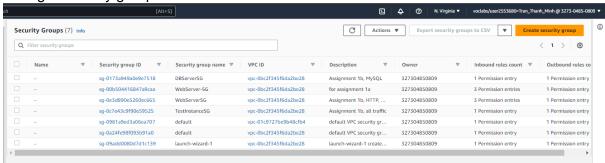
Assignment 1b COS20019 Cloud Computing Architecture

Tran Thanh Minh 103809048

1. Create VPC with subnets specified in the diagram



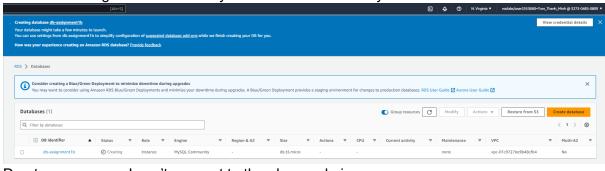
2. Config 3 security groups from the table



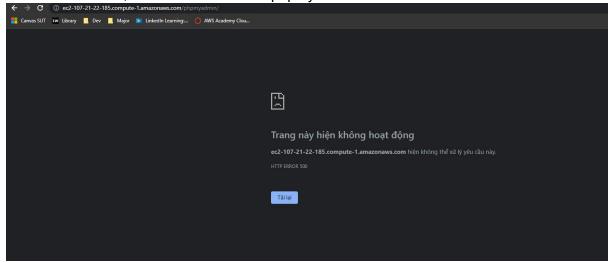
3. Create 2 Instance (Web/Bastion and Test) and allocate the Elastic IP addresses so that it won't change every time restart the instance



4. Create DB assignment1b and only WebServerSG can only access it



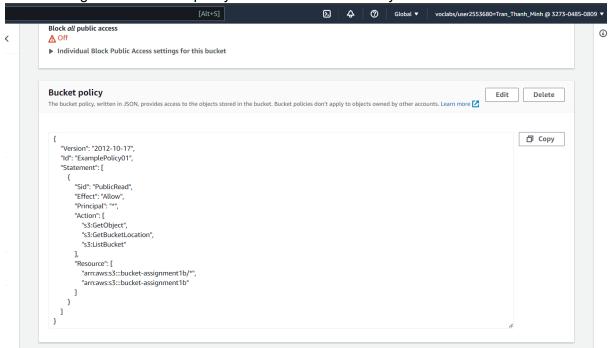
5. Due to some error, I can't connect to the phpmyadmin



6. I have use the Amazon CLI to create DB and photo table based on the requirements

```
+S]
                                4
                                      @
                                            N. Virginia ▼
                                                         voclabs/user2553680=Tran_Thanh_Minh @ 3273-0485-0809 ▼
                             DR instance cortificate expiration date
ec2-user@ip-10-0-2-152:~
                                                                                       MySQL [(none)]> use db-assignment1b
ERROR 1049 (42000): Unknown database 'db-assignment1b'
MySQL [(none)]> CREATE DATABASE db-assignment1b
     -> ego
 CREATE DATABASE db-assignment1b
 eao
ERROR: Usage: \! shell-command
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
 ego' at line 1
 MySQL [(none)]> CREATE DATABASE db_assignment1b
Query OK, 1 row affected (0.010 sec)
MySQL [(none)]> use db assignment1b
Database changed
 MySQL [db assignment1b]> CREATE TABLE photos (
     -> id INT AUTO_INCREMENT PRIMARY KEY,
-> title VARCHAR(255),
-> description VARCHAR(255),
     -> creation_date DATE,
         keywords VARCHAR(255),
          s3 reference VARCHAR(255)
     -> /G
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
 corresponds to your MySQL server version for the right syntax to use near '/G' a
 t line 9
 MySQL [db assignment1b]> CREATE TABLE photos (                                id INT AUTO INCREMENT PRIMARY K
EY, title VARCHAR(255), description VARCHAR(255), ywords VARCHAR(255), s3_reference VARCHAR(255)) \G
Query OK, 0 rows affected (0.034 sec)
                                                                 creation date DATE,
MySQL [db assignment1b]>
```

7. I have configured the bucket policy to allow access from anywhere inside this bucket

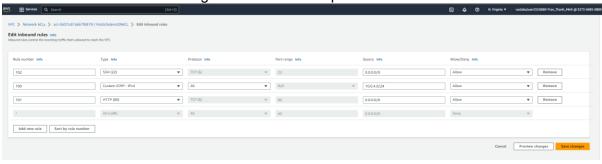


8. I have populated some sample data

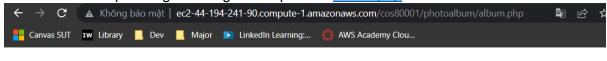
```
MySQL [db_assignment1b]> INSERT INTO photos (title, description, creation_date, keywords, s3_reference)
-> VALUES
-> ('museum', 'textures of museum', '2023-06-15', 'Lisbon', 'https://bucket-assignment1b.s3.amazonaws.com/
ivan-rohovchenko-r3XpW3Vxzrc-unsplash.jpg'),
-> ('sea', 'ocean water', '2023-06-09', 'Sony', 'https://bucket-assignment1b.s3.amazonaws.com/robert-linde
r-eg2-Kme25do-unsplash.jpg'),
-> ('scene', 'Place at Italia', '2022-12-30', 'BZ Italia', 'https://bucket-assignment1b.s3.amazonaws.com/f
abrizio-coco-gVBIohdCRUQ-unsplash.jpg'),('beach', 'Place at somewhere', '2022-12-30', 'Beach', 'https://bucket
-assignment1b.s3.amazonaws.com/thilak-mohan-HJfNXurUgFc-unsplash.jpg');
Query OK, 4 rows affected (0.006 sec)
Records: 4 Duplicates: 0 Warnings: 0

MySQL [db assignment1b]>
```

9. Create network ACL and config it based on the requirements



10. The result after uploading the image and open the album.php



Student name: Tran Thanh Minh

Student ID: 103809048

Tutorial session: Friday 1:00 PM

Uploaded photos:

Photo	Name	Description	Creation date	Keywords
	museum	textures of museum	2023-06-15	Lisbon
	sea	ocean water	2023-06-09	Sony
	scene	Place at Italia	2022-12-30	BZ Italia
	beach	Place at somewhere	2022-12-30	Beach

11. Ping the Web instance successfully from the test instance

