Cloud Computing Seminar

Name: Olamide Akinoso

Student ID: 609563

Term: Spring 2025

Topic: Workshop

Network SETUP

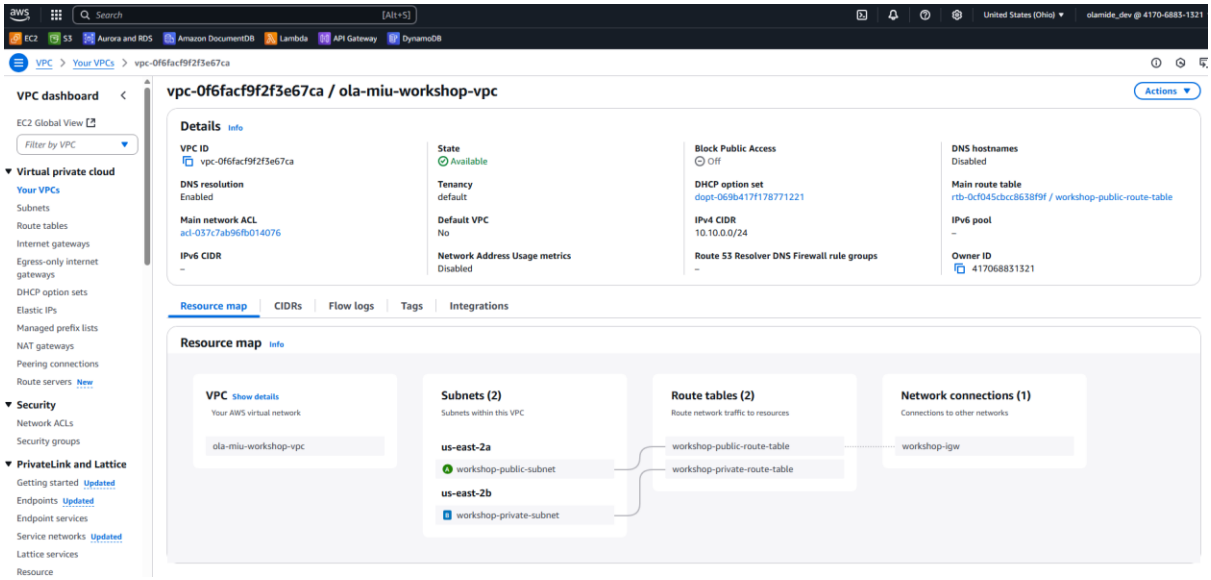


Fig 1.1 Setup of VPC, Private and public Subnets, Route Tables and Internet Gateway.

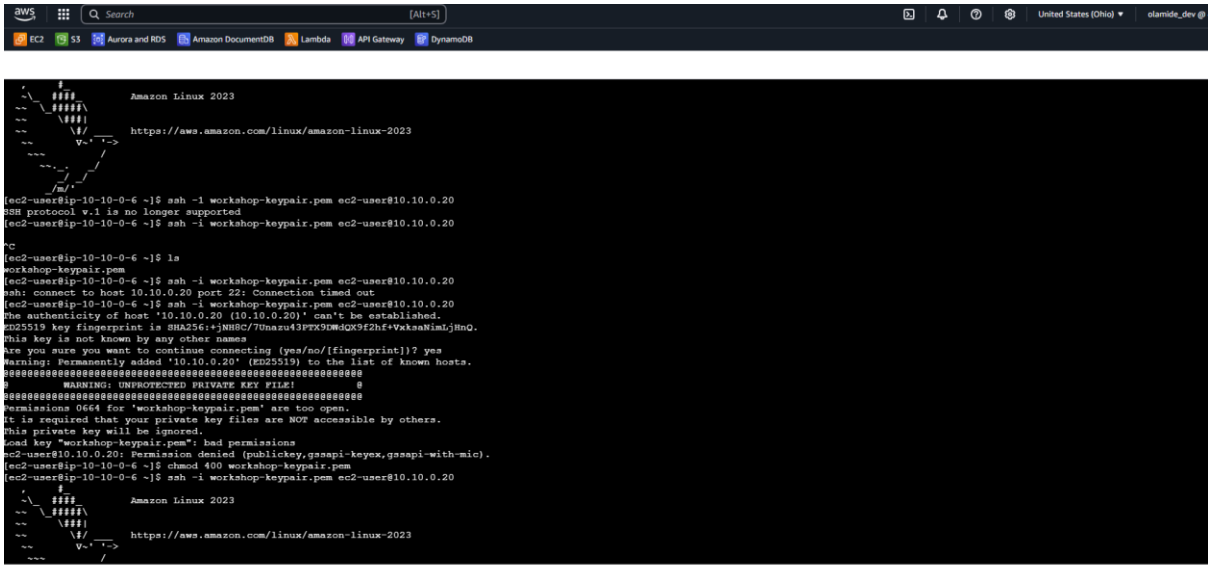
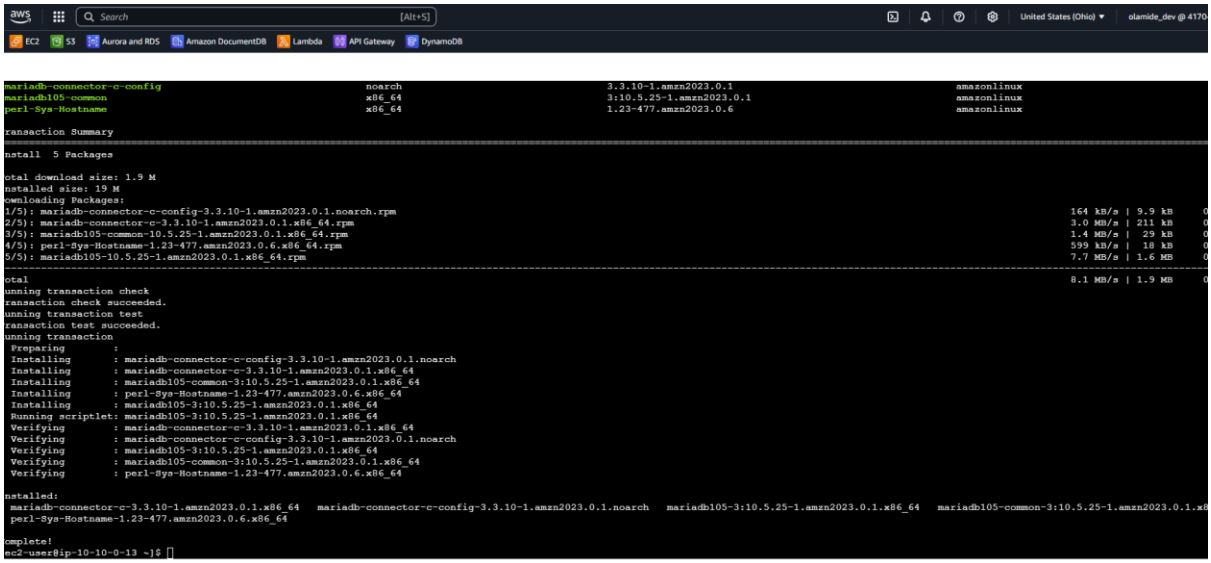


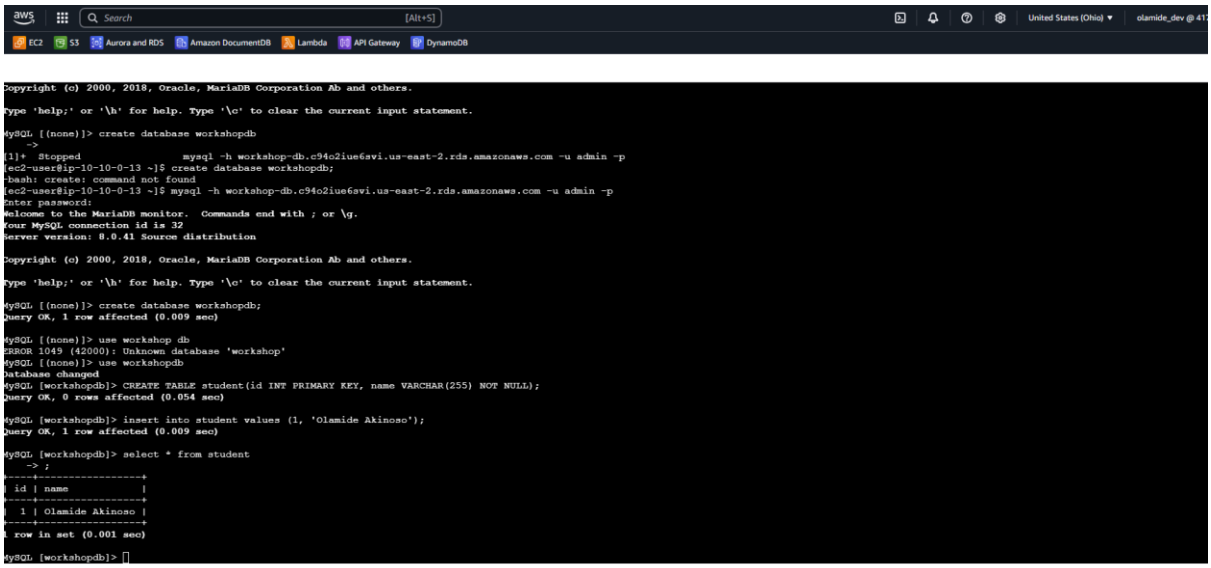
Fig 1.2 Connecting from the public EC2 to the private EC2 and Installing nginx

Launch an RDS/Aurora (MySQL) database.



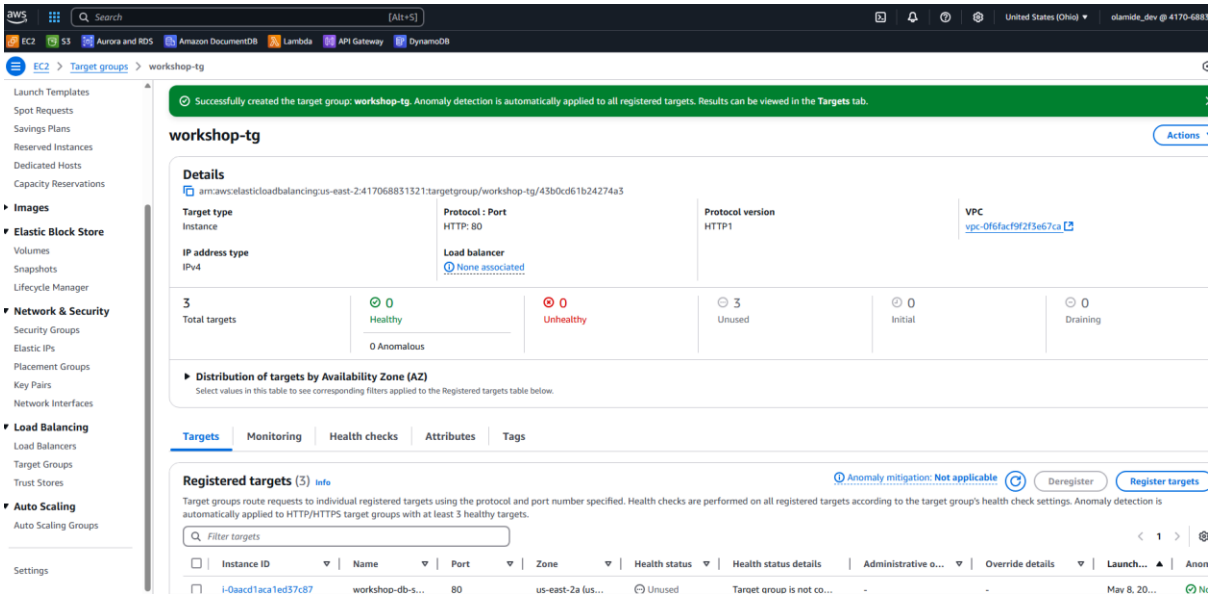
i-0aacd1aca1ed37c87 (workshop-db-server)

Database installed.

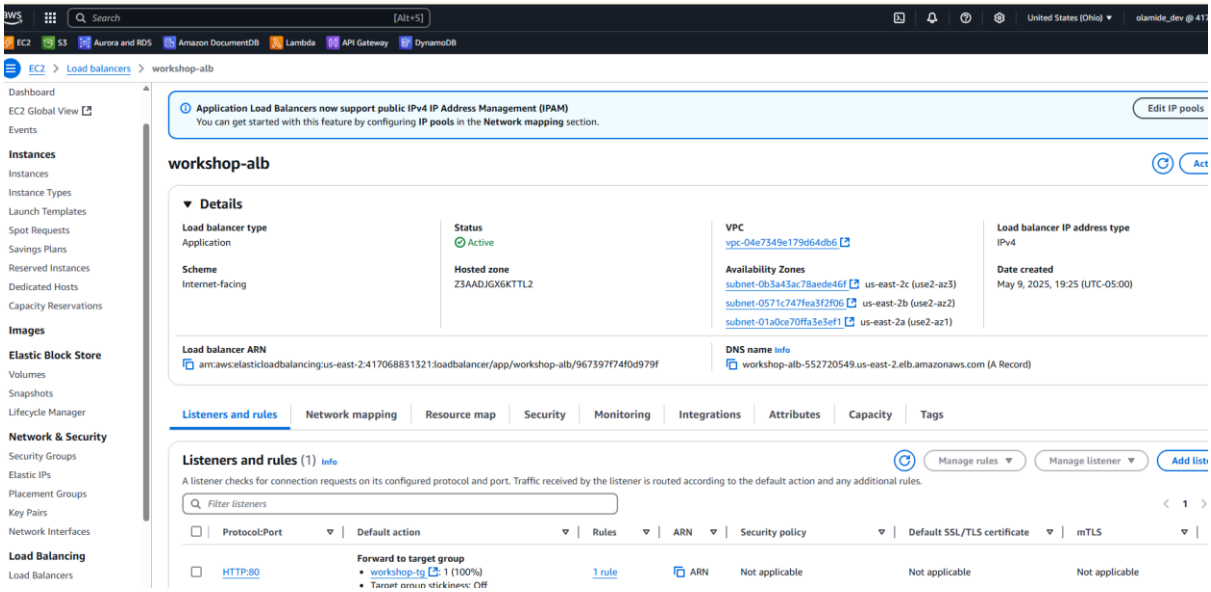



```
[1]+  Stopped                 mysql -h workshop-db.c94o2iue6swi.us-east-2.rds.amazonaws.com -u admin -p
[ec2-user@ip-10-10-0-13 ~]$ create database workshopdb;
-bash: create: command not found
[ec2-user@ip-10-10-0-13 ~]$ mysql -h workshop-db.c94o2iue6swi.us-east-2.rds.amazonaws.com -u admin -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MySQL connection id is 32
Server version: 8.0.41 Source distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MySQL [(none)]> create database workshopdb;
Query OK, 1 row affected (0.009 sec)

MySQL [(none)]> use workshop db
ERROR 1049 (42000): Unknown database 'workshop'
MySQL [(none)]> use workshopdb
Database changed
MySQL [workshopdb]> CREATE TABLE student(id INT PRIMARY KEY, name VARCHAR(255) NOT NULL);
Query OK, 0 rows affected (0.054 sec)

MySQL [workshopdb]> insert into student values (1, 'Olamide Akinoso');
Query OK, 1 row affected (0.009 sec)

MySQL [workshopdb]> select * from student
    -> ;
+----+-----------------+
| id | name            |
+----+-----------------+
|  1 | Olamide Akinoso |
+----+-----------------+
1 row in set (0.001 sec)

MySQL [workshopdb]>
```

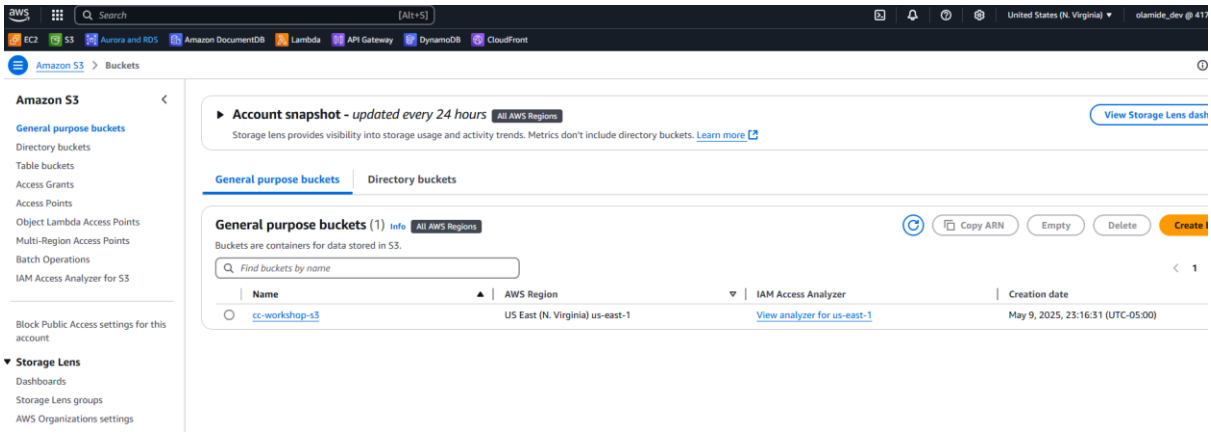
Database and table created



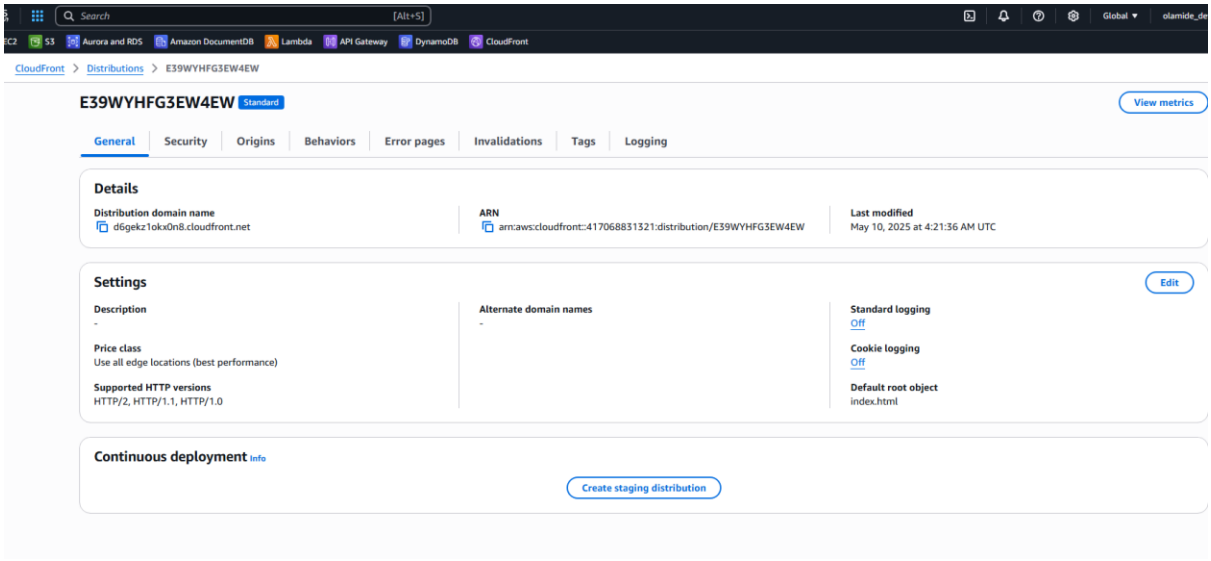
Target group created



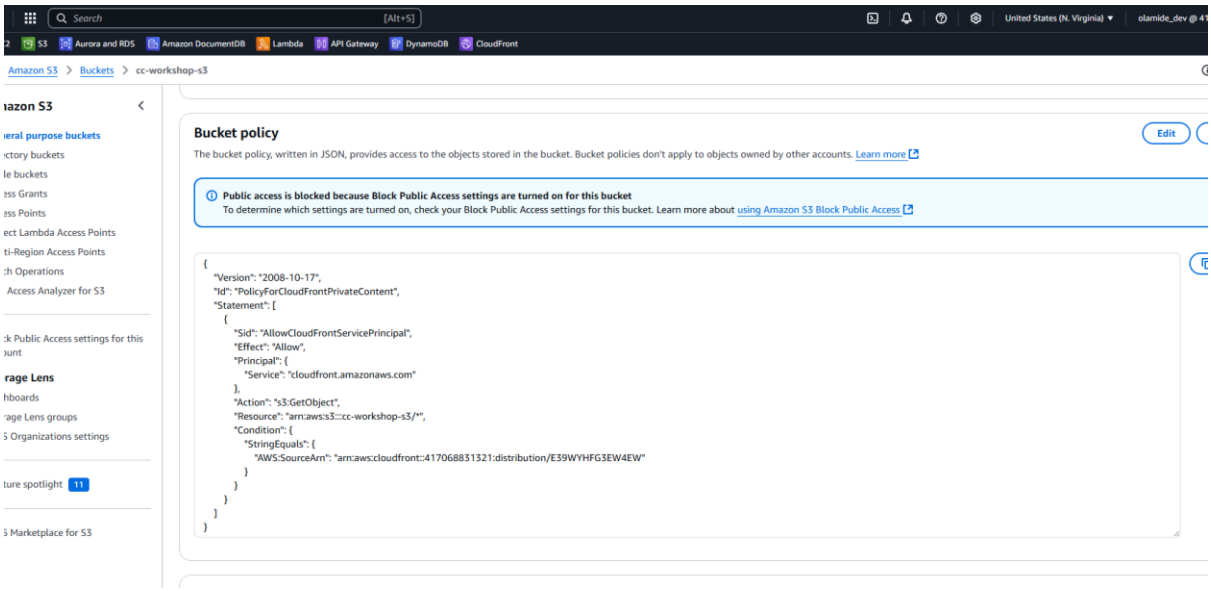
Load balancer Created



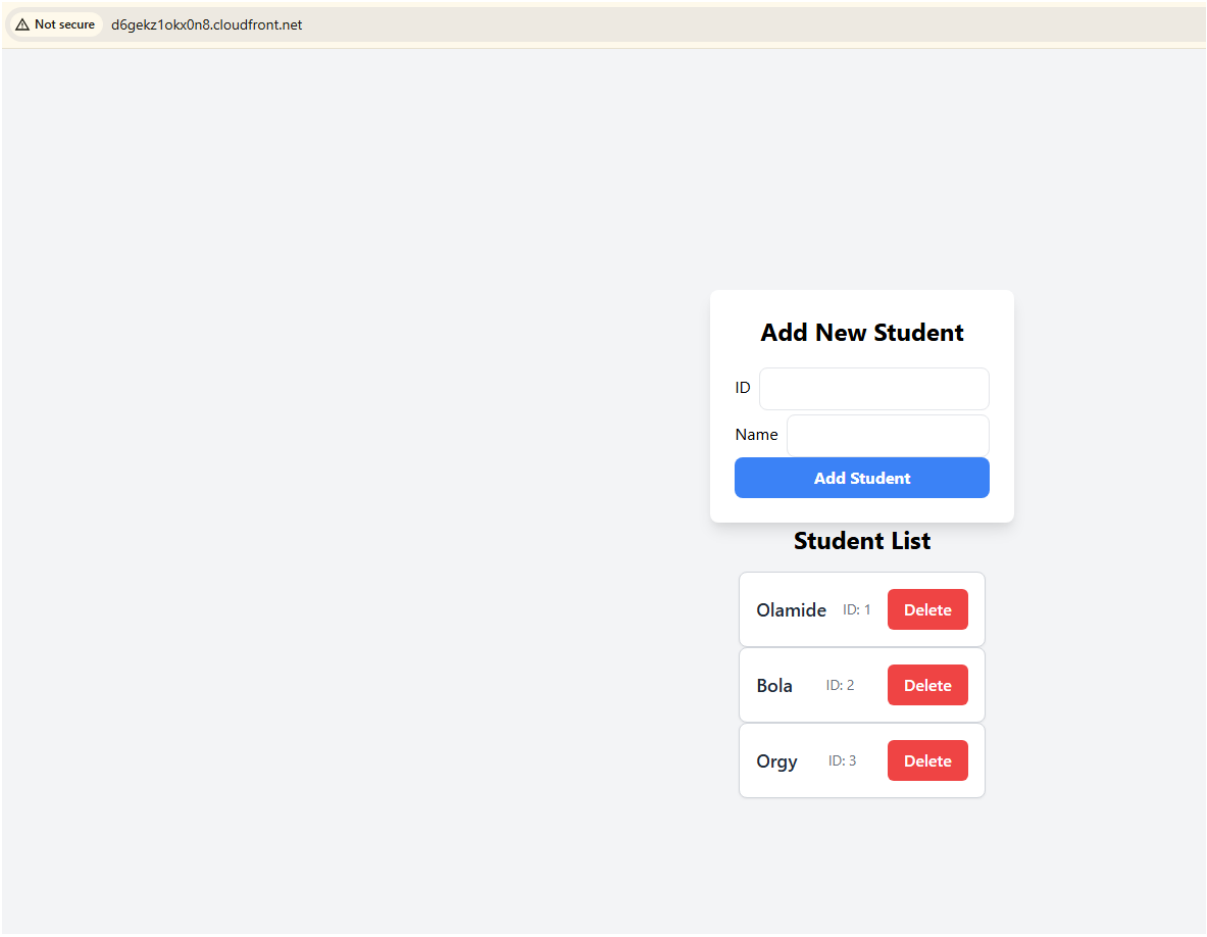
Bucket Created



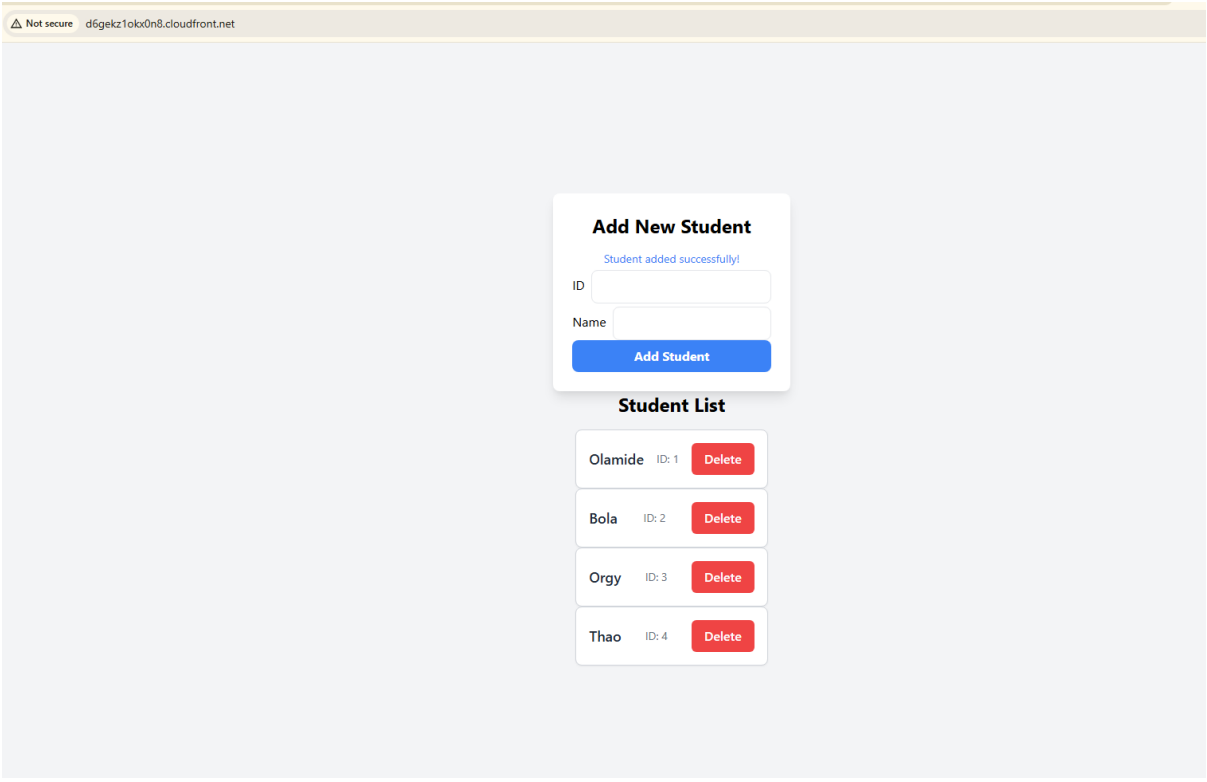
CloudFront Created



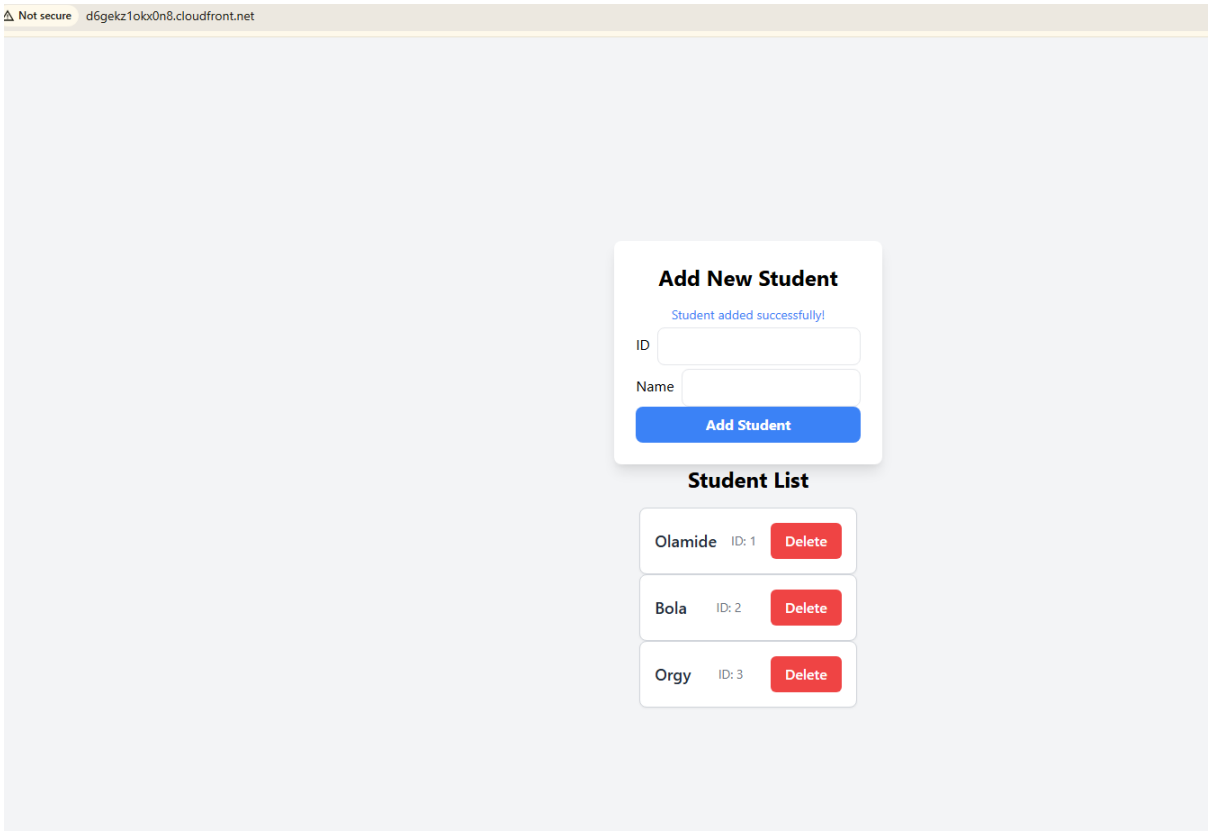
Grant permission to the S3 editing the bucket policy using the policy generated after creating CloudFront



Load page



Add Student



Delete Student