Week 9 – Guided Lab: Implementing a Serverless Architecture on AWS

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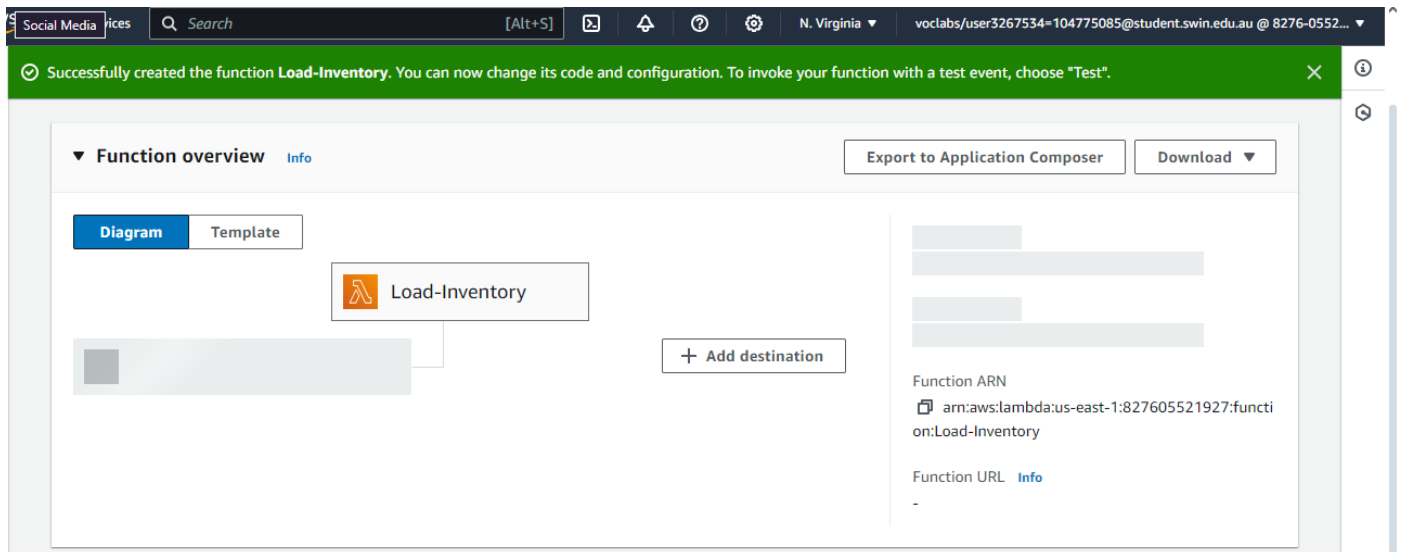## Task 1: Creating a Lambda function to load data

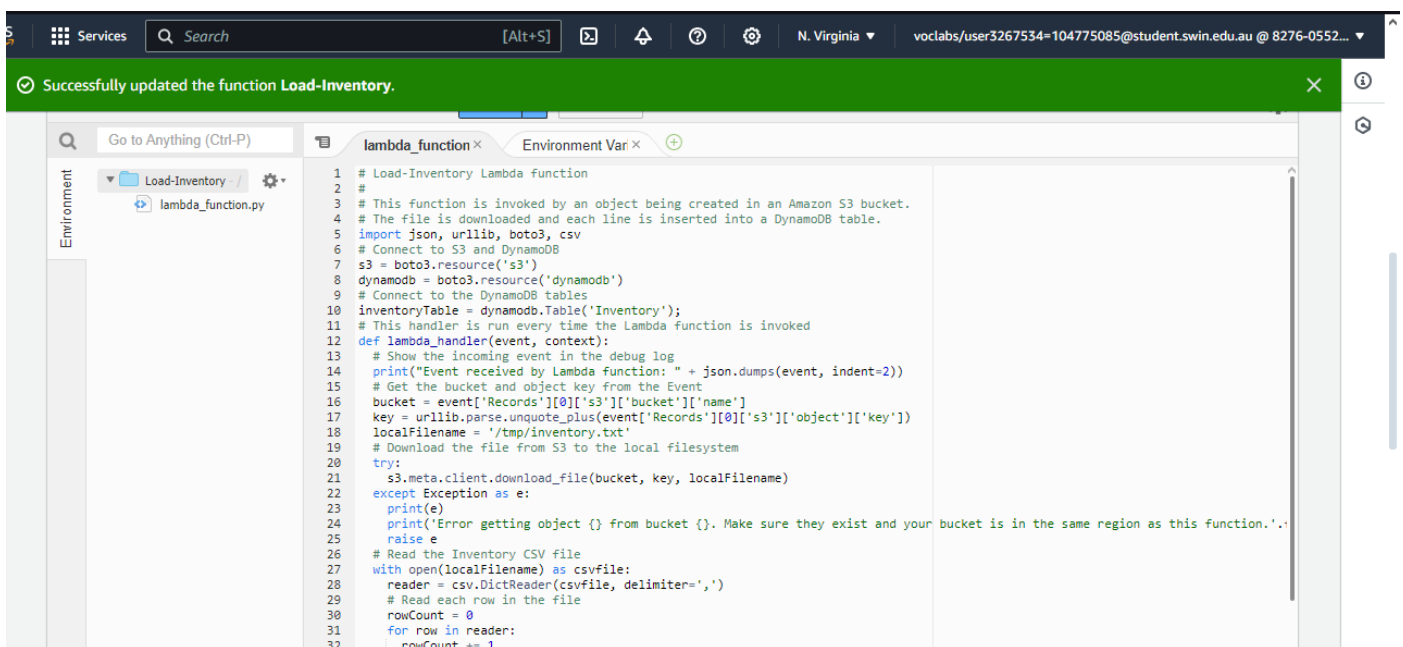*Figure 1: Create Load-Inventory Lambda Function*

Figure 2: Update the Lambda Function
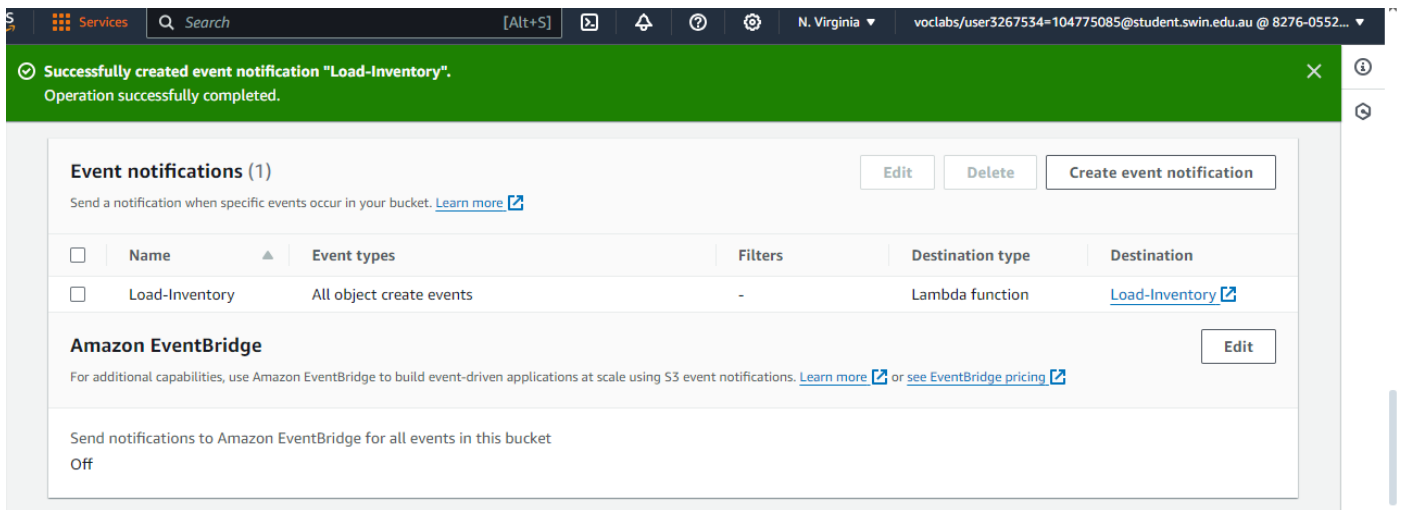
Task 2: Configuring an Amazon S3 event

Figure 3: Add an event notification for S3 bucket

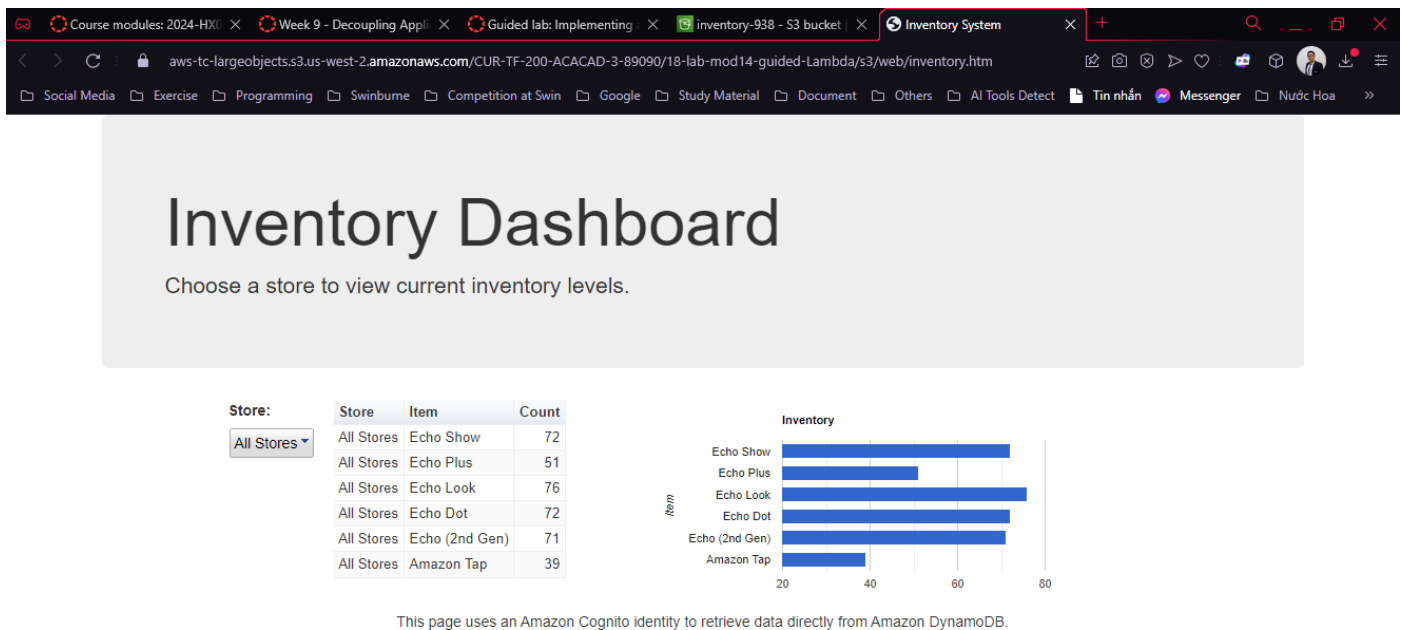# Task 3: Testing the loading process

Figure 4: Inventory Dashboard.

Figure 5: DynamoDB view the inventory.

Task 4: Configuring notifications

Task 5: Creating a Lambda function to send notifications

Figure 6: Create Check-Stock lambda function.

Task 6: Testing the system
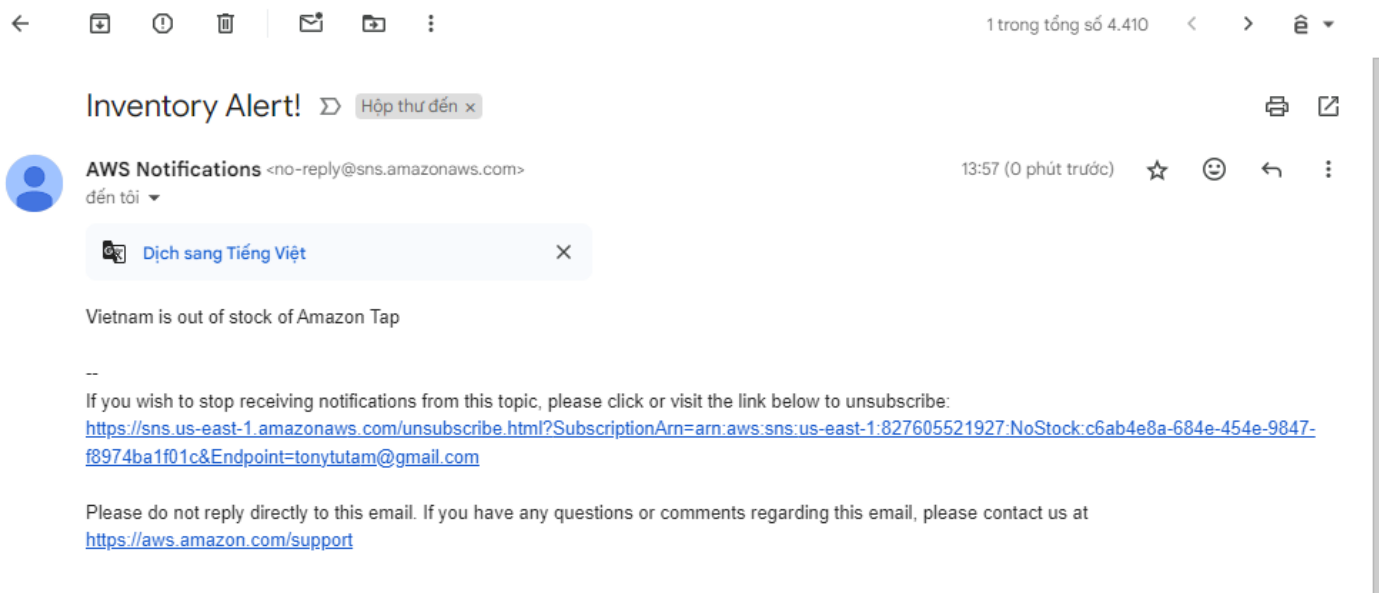
Figure 7: Email notification
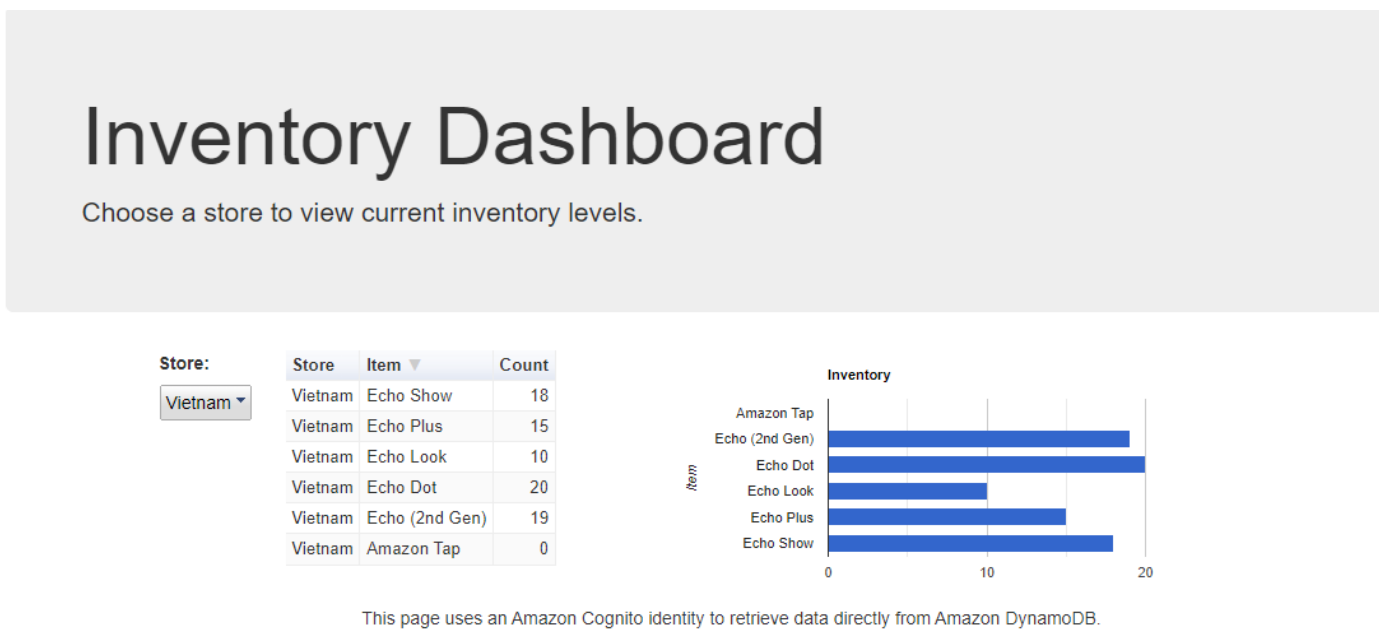
Figure 8: Inventory of Vietnam

Total score	40/40
[Task 1A] Load-Inventory Function Created	5/5
[Task 1B] Load-Inventory Execution Role	5/5
[Task 2A] Bucket Created	5/5
[Task 2B] Bucket Event	5/5
[Task 3] Database Table Data	5/5

Figure 9: Score after submission.

Submission Report

```
Testing report - The correct Role was used for the Load-Inventory function.
Testing report - Bucket named,inventory-938,found.
Testing report - Bucket,inventory-938,was cofigured with a Lambda event.
Testing report - Records were inserted into the Inventory DynamoDB table.
Testing report - The topic NoStock was created.
Testing report - The fucntion Check-Stock was found.
Testing report - A trigger was found for the Check-Stock lambda funtion.

gradeFile = /mnt/vocwork4/grader/eee_G_2990563/asn2880469_18/asn2880470_1/tmp/temp_uf_07
reportFile =/mnt/vocwork4/grader/eee_G_2990563/asn2880469_18/asn2880470_1/tmp/temp_uf_07
/mnt/vocwork4/grader/eee_G_2990563/asn2880469_18/asn2880470_1/tmp/temp_uf_07102024/.DwjH
/usr/lib/python3.7/site-packages/boto3/compat.py:82: PythonDeprecationWarning: Boto3 wil
```

Figure 10: Submission report.