Homework Assignment 2

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Homework Tasks

Task 1: Log in to AWS

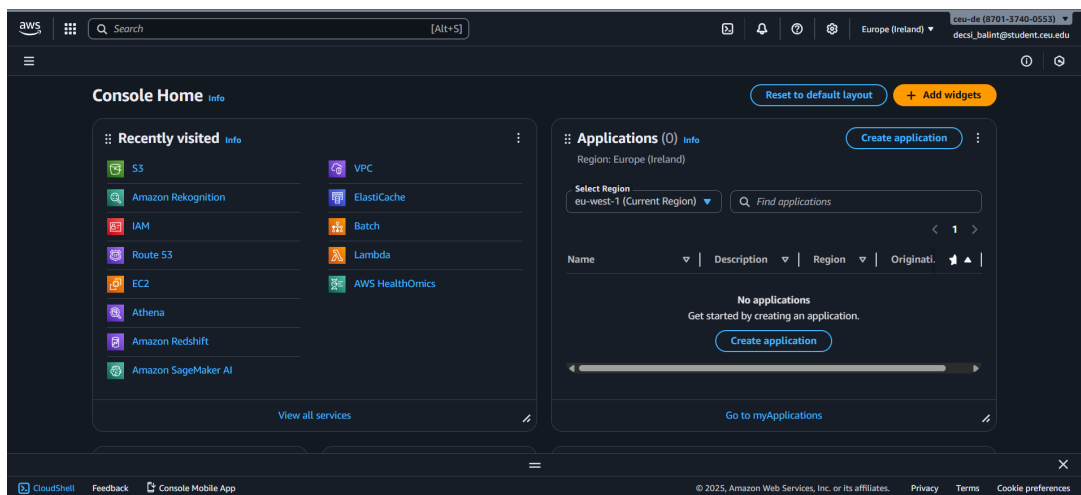Log in to AWS, screenshot the AWS landing page (the page you see after login).

Figure 1: AWS Landing Page

Task 2: Create a Security Group

Create a Security Group and configure it (add SSH and HTTP ports). Call the group "secgroup-¡your student id¿-homework".
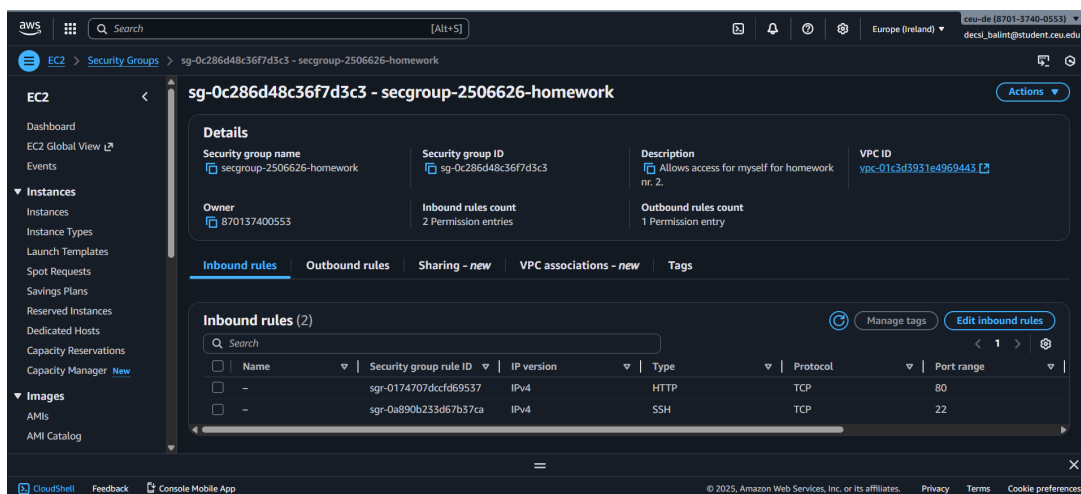

Figure 2: Security Group Configuration

Task 3: Upload your public key
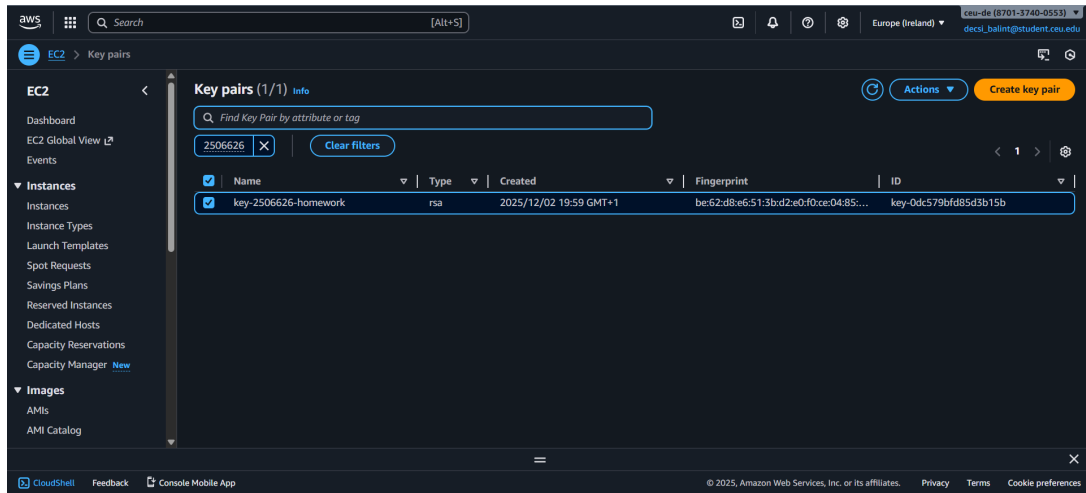
Upload your public key.

Figure 3: Uploaded Public Key

Task 4: Start creating a t4g.nano instance

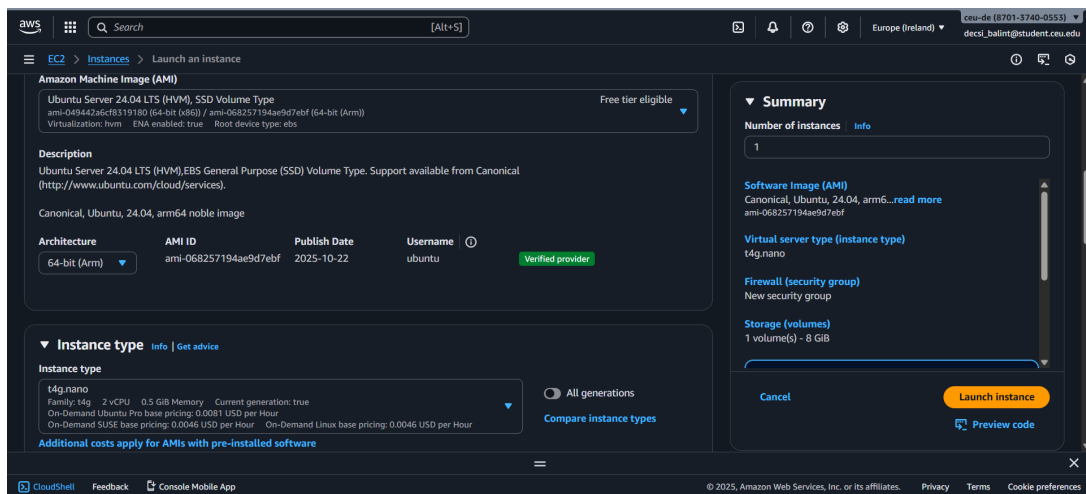Start creating a t4g.nano instance using the Ubuntu AMI we used in the class.

Figure 4: Creating t4g.nano Ubuntu Instance

Task 5: Check the price

Check the price of this instance on ec2instances.info.

Figure 5: Instance Price on ec2instances.info

Task 6: Select Security Group

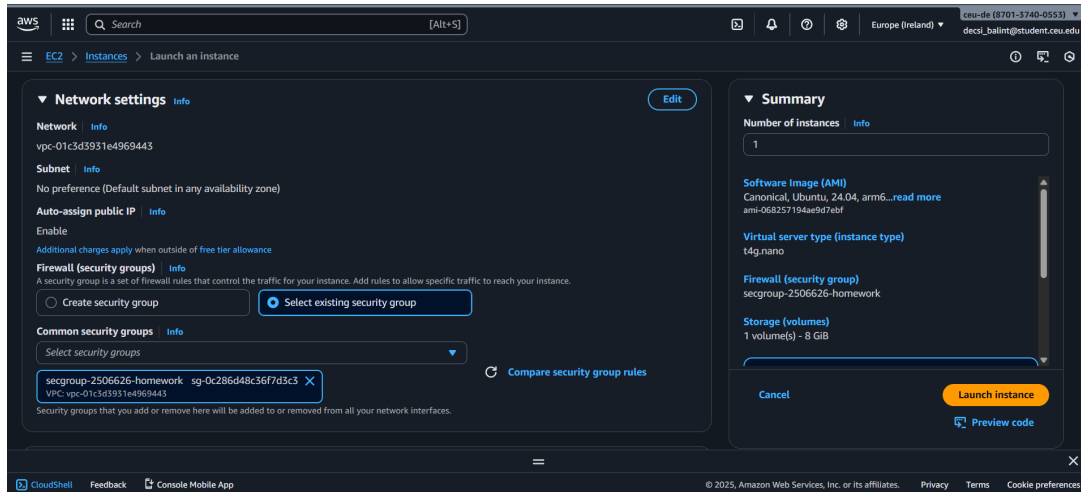On the Create Instance Page: Select your security group.

Figure 6: Selecting Security Group

Task 7: Select Key Pairs and Start

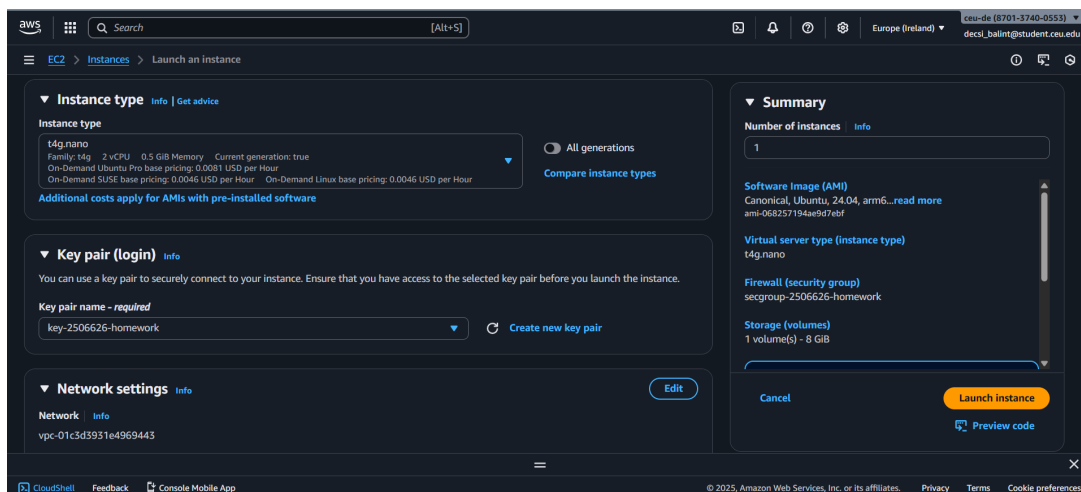Create Instance Page: Select your key pairs and start the instance.

Figure 7: Selecting Key Pair and Starting Instance

Task 8: Instance Details

Go to the instance page of your instance (screenshot the page showing the instance's details).
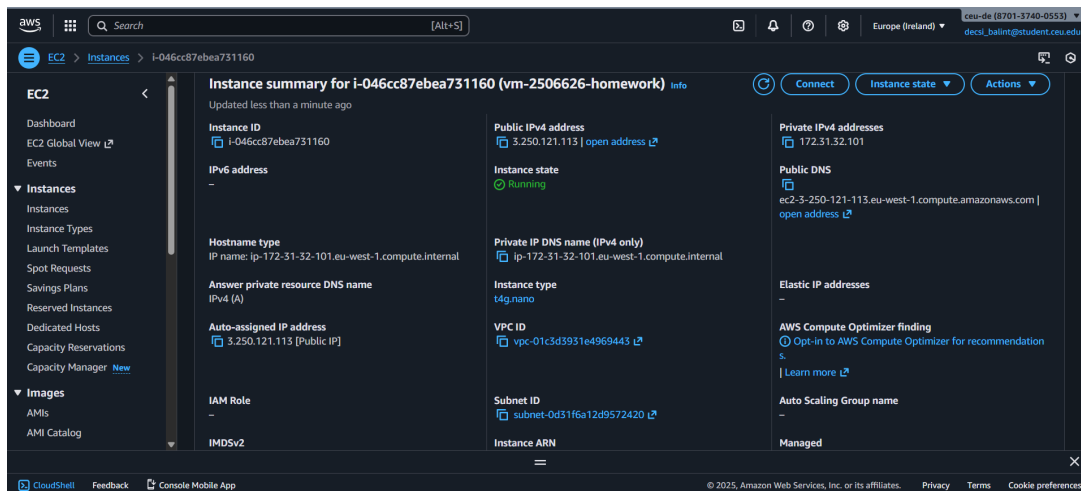
Figure 8: Instance Details Page

Task 9: SSH via Codespace

Use Codespace to SSH into your instance (create a screenshot of the Codespace terminal once you are logged in).

Figure 9: SSH Session in Codespace

Task 10: Streamlit Execution

Update the system, install, and execute Streamlit. Screenshot the terminal (Codespace) once Streamlit has started.

Figure 10: Streamlit Running in Terminal

Task 11: Create Subdomain in Route 53

Create a subdomain for this website with your name or any other name you like (like zoltan.ceu-data.com), in Route 53.
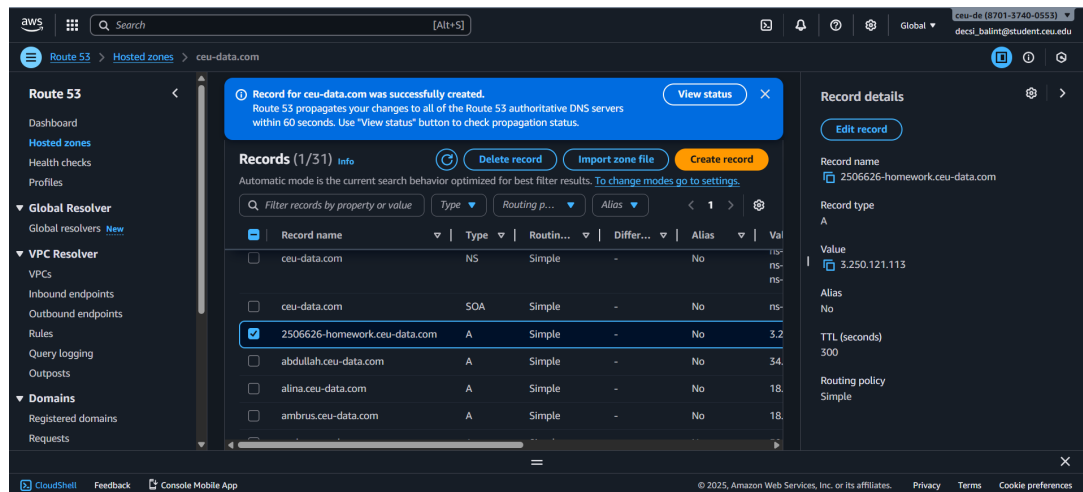

Figure 11: Route 53 Subdomain Creation

Task 12: Access via Domain

Open a browser and open your EC2 instance by connecting to its domain (the screenshot must show both the URL and the streamlit page).
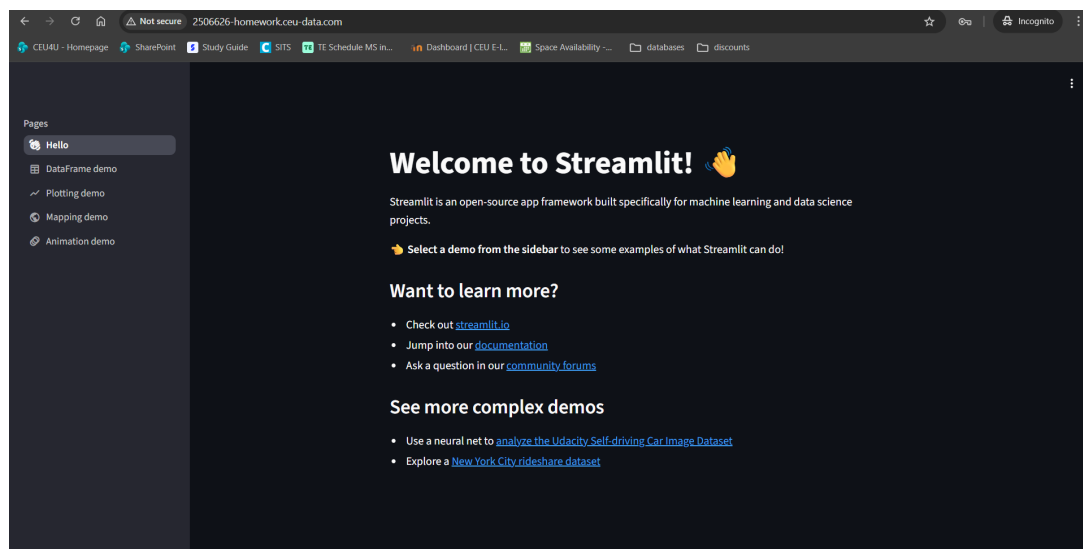

Figure 12: Streamlit App Accessed via Domain

Task 13: Delete Route 53 Record
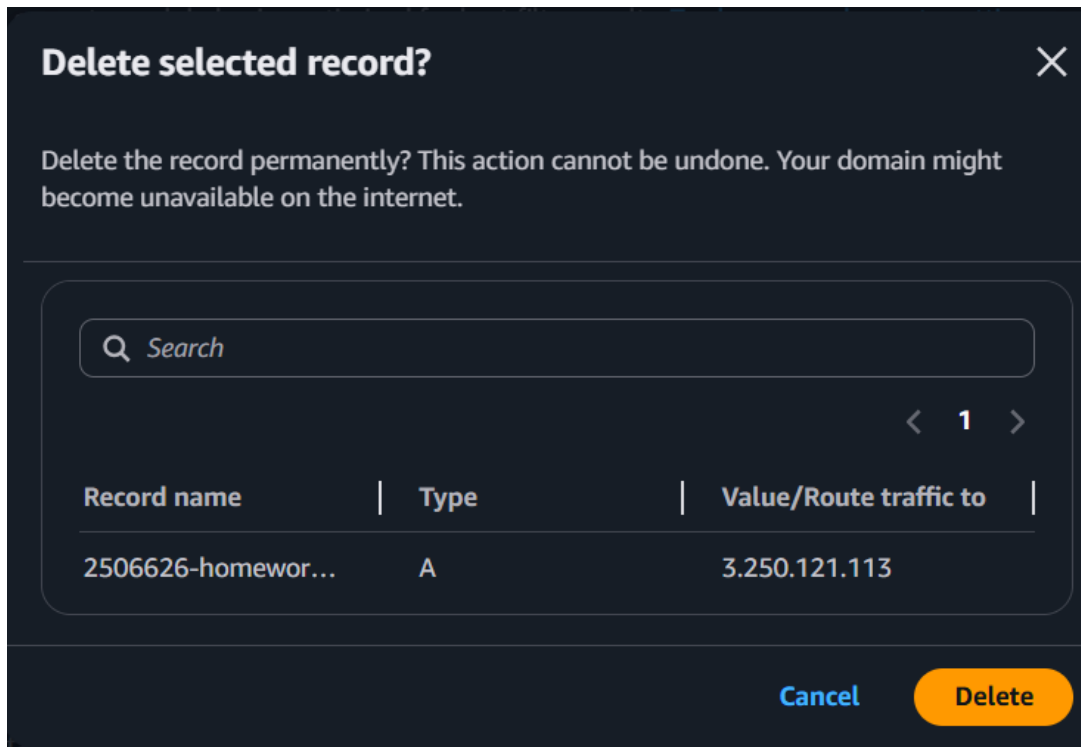
Delete the record in Route 53.

Figure 13: Route 53 Record Deletion

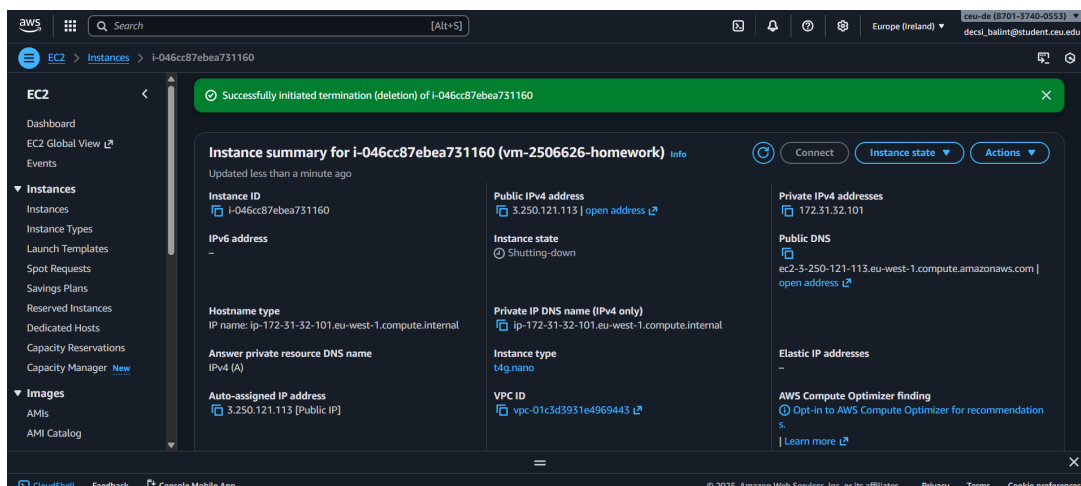## Task 14: Terminate Instance

Terminate the instance.

Figure 14: Instance Termination

Task 15: Delete Security Group

Delete the security group.

Figure 15: Security Group Deletion

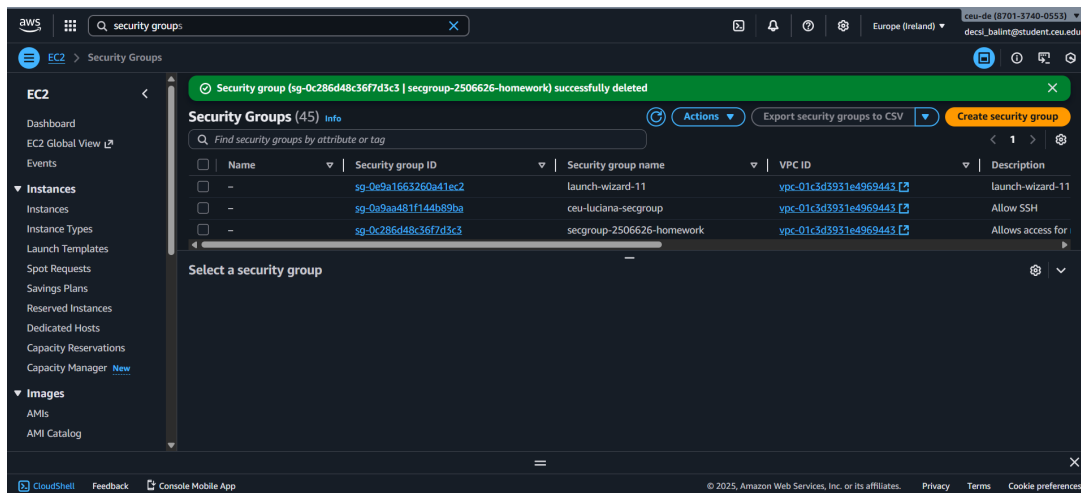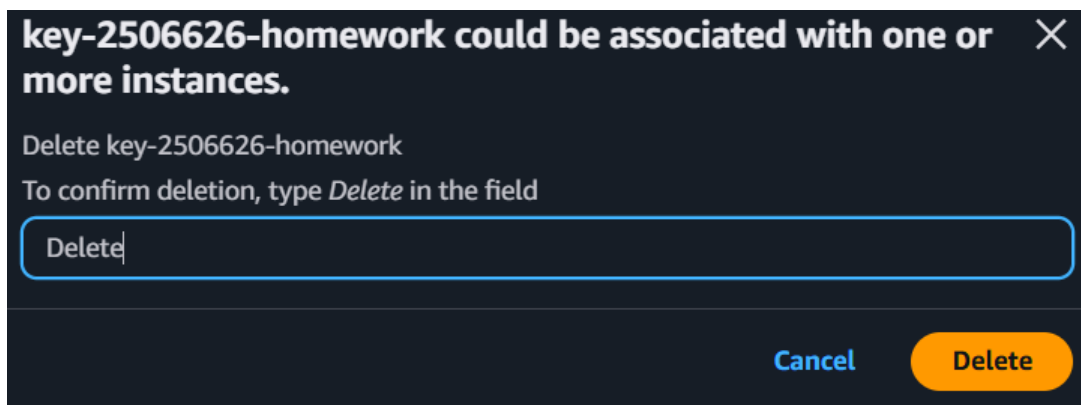## Task 16: Delete Key Pair

Delete the key pair.

Figure 16: Key Pair Deletion