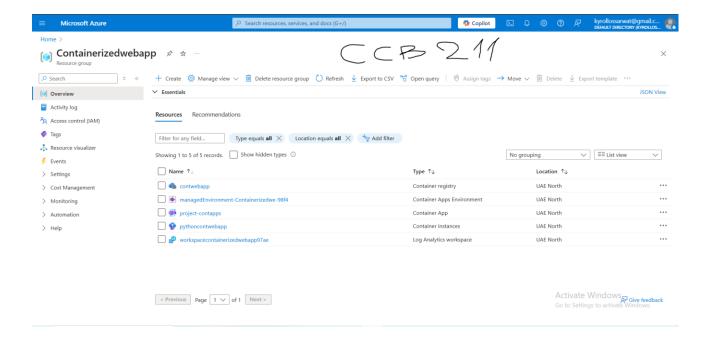
# Project: Containerized Web App Deployment using Azure Container Apps

# **Project Steps**

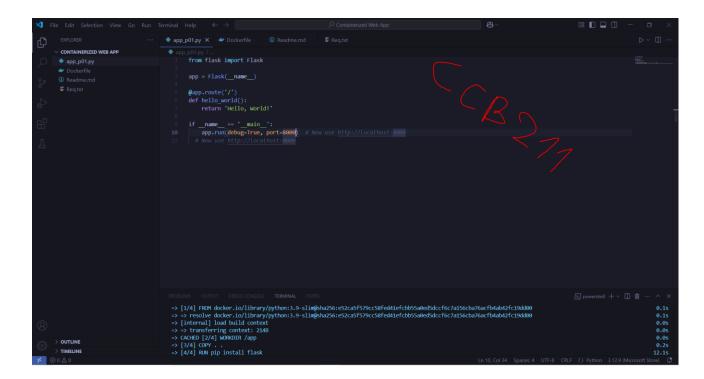
#### **Step 1: Set Up Azure Environment**

- **Description**: Created a resource group to manage all project resources.
- Screenshot:



# **Step 2: Develop the Web Application**

- **Description**: Built a web app using flask and tested it locally.
- Screenshot:



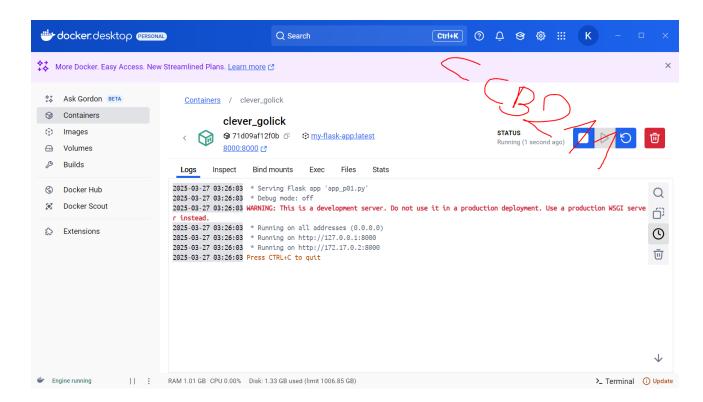
### **Step 3: Containerize the Web App**

- **Description**: Created a Dockerfile to package the web app into a Docker container.
- Screenshot:



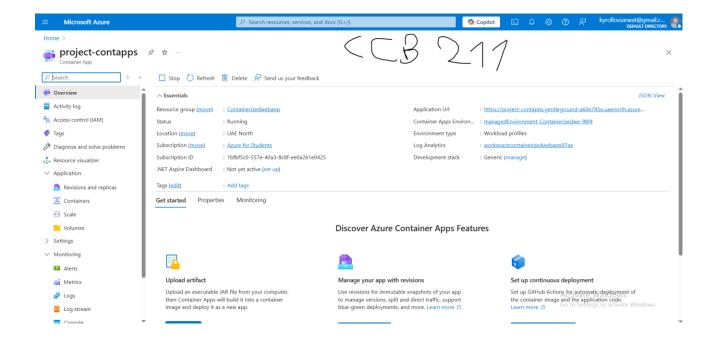
#### **Step 4: Test the Container Locally**

- **Description**: Ran the Docker container locally to verify it works.
- Screenshot:



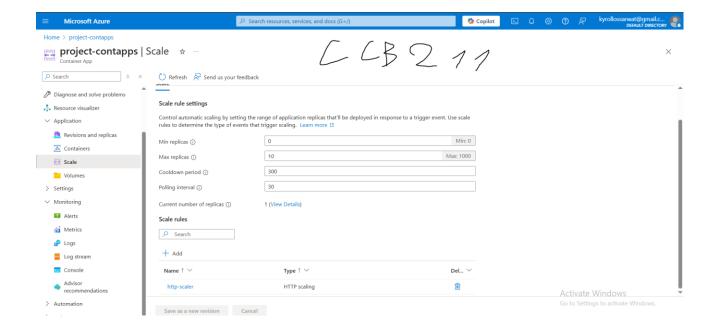
### **Step 5: Deploy to Azure Container Apps**

- **Description**: Deployed the containerized app to Azure Container Apps using a deployment method.
- Screenshot:



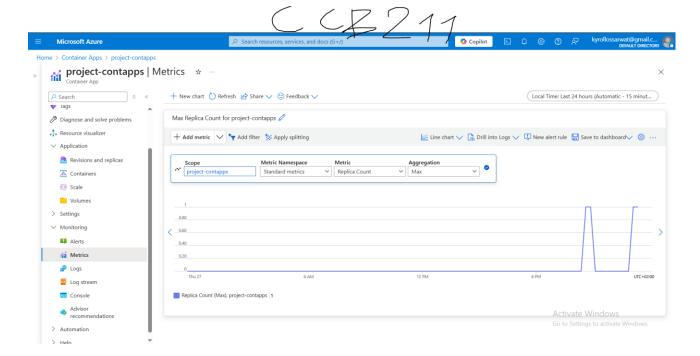
### **Step 6: Configure Auto-Scaling**

- **Description**: Set up auto-scaling based on HTTP traffic.
- Screenshot:



## **Step 7: Integrate Monitoring with Application Insights**

- **Description**: Enabled Application Insights to monitor app health and performance.
- Screenshot:



#### **Final Notes**

## **Screenshots of Final Output:**

