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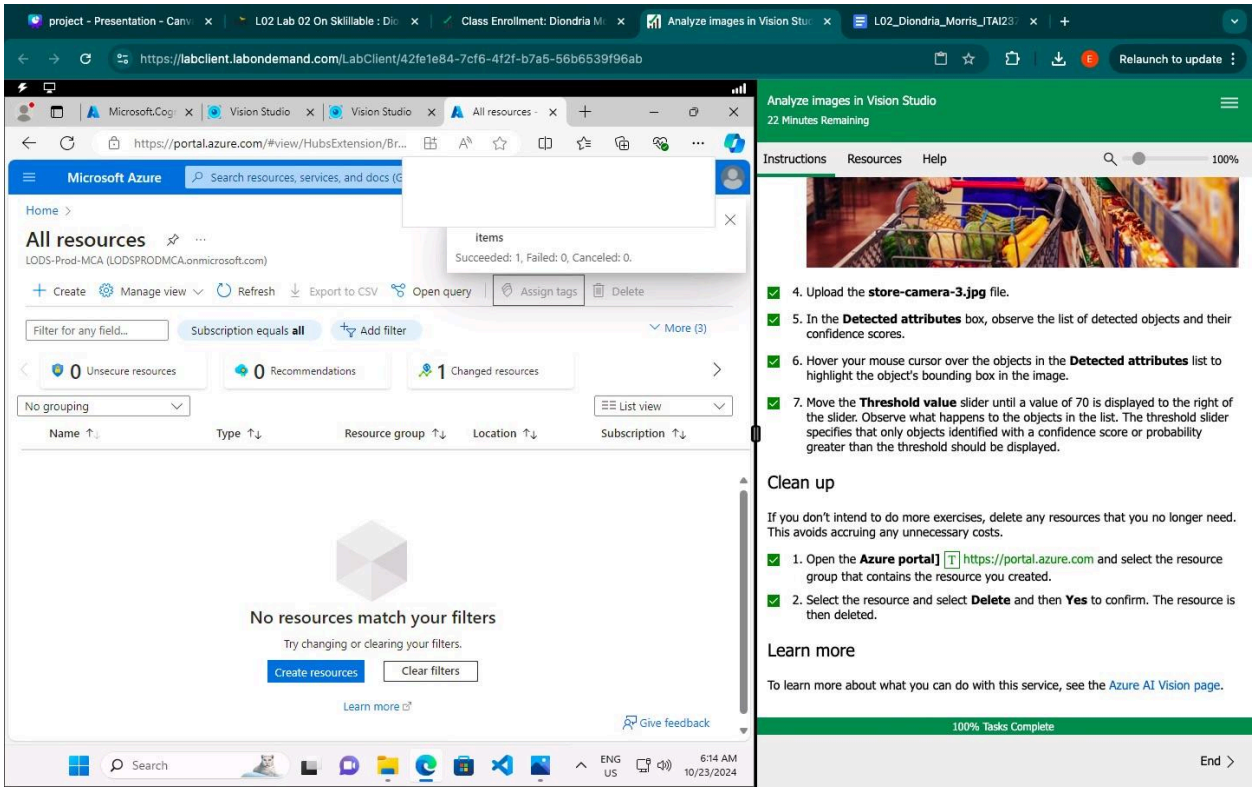
Lab 02

ITAI-2372 Artificial Intelligence Fall 2024



1. **Introduction:**
   - **Brief Overview:** Analyze images in Azure AI Vision Studio.
   - **Purpose:** The purpose of this report is to reflect and discuss the various AI driven image analysis features in Vision Studio.
2. **Description of Experience or Topic:**

   "Northwind Traders" is the fictional retailer that I had the pleasure of working with in this lab. The company wants to introduce a "smart store"; AI will analyze the store to identify customers that need help and deploy employees to them immediately. Azure AI Vision Studio contains the image analysis features. The lab included a walkthrough of key functionalities such as adding captions to

images, dense captions, extracting common tags from images, object detection and detecting common objects in images.

3. **Personal Reflection:**

   In my previous experience with object detection and image recognition, I was accustomed to the process of creating and training models to enable these features. This platform removes the need for manual model creation. It comes equipped with pre-trained models, allowing users to implement object detection and image recognition which in return reduces setup time and complexity. The typing feature is highly convenient, definitely next level! It saves a considerable amount of time when completing exercises like this. More images in the instructions would have been helpful; specifically the more detailed tasks.

4. **Discussion of Improvements and Learning:**

   I'm becoming more familiar with the platform, which seems user friendly. This second lab was easier to complete than the previous one. I appreciated the Northwind Traders practice scenario, as it got me thinking about how I could apply these skills in a professional setting or a portfolio project.

5. **Conclusion:**

   - **Summary:** AI platforms continue to find ways to simplify complex processes. Very pleased with the training labs so far.