Lab 4 skillable

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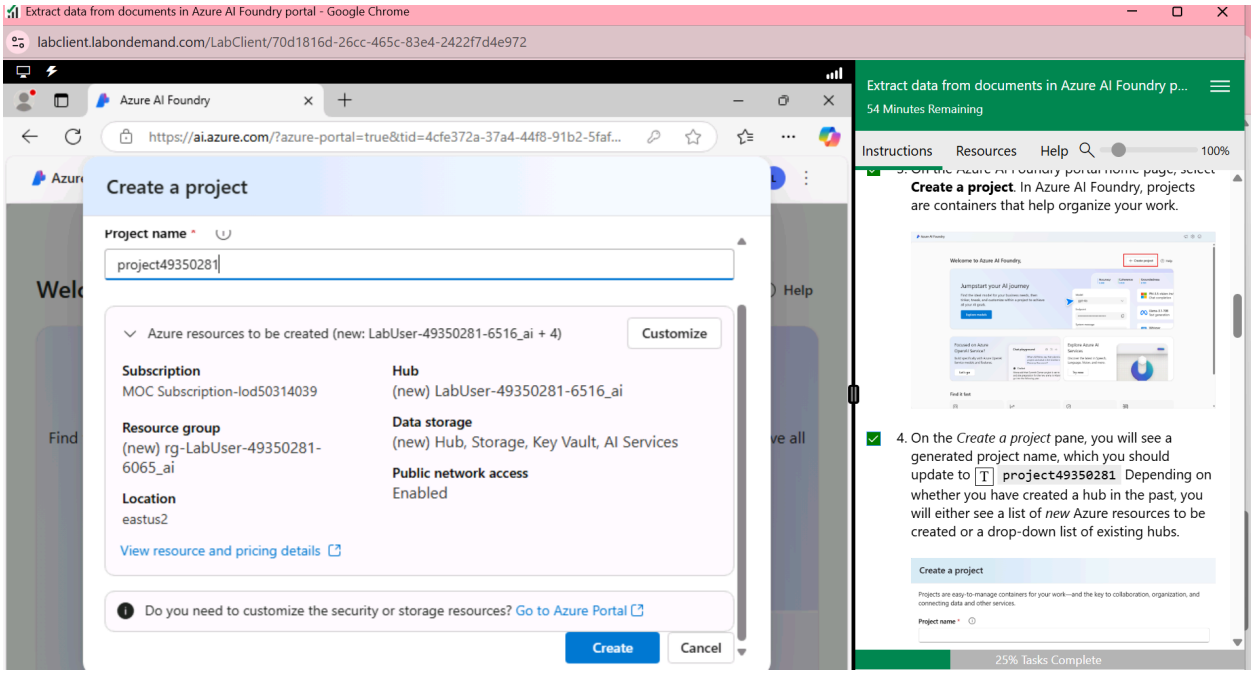

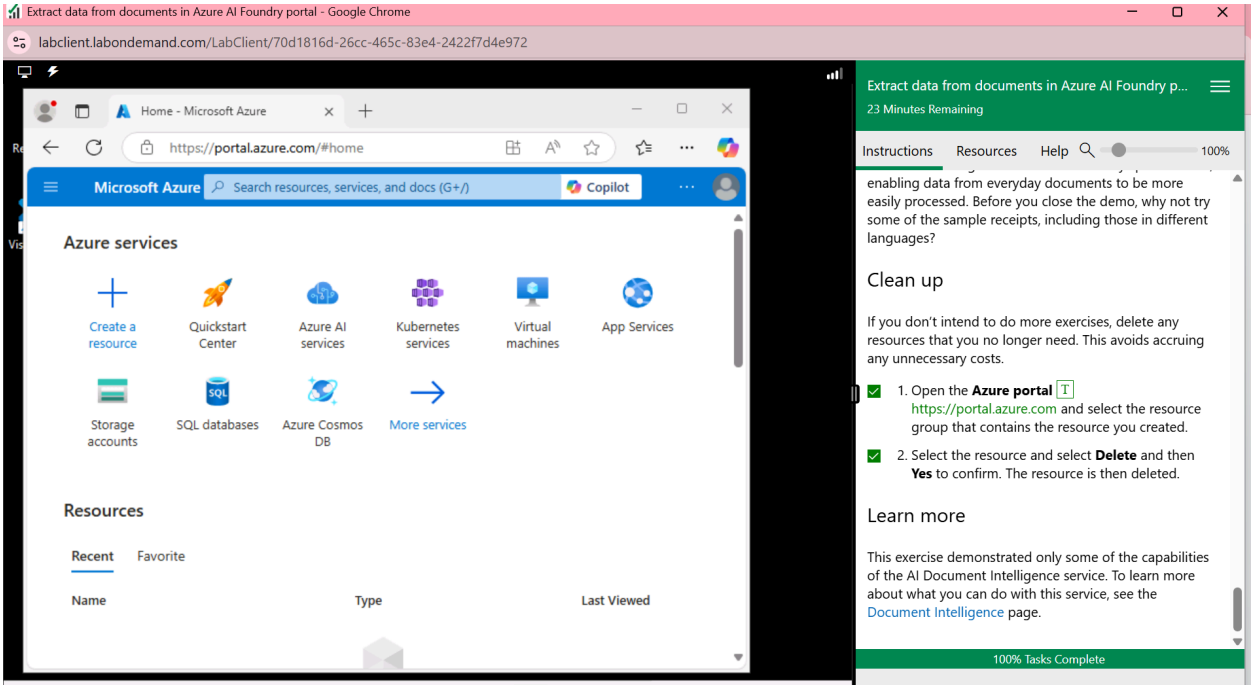

This lab provideded hands on experience with Microsoft's Azure AI Foundry, a platform designed to build and deploy AI driven applications. One of the key lessons from this lab is understanding the distinction between standard optical character recognition (OCR) and AI powered document intelligence. While OCR extracts raw text from images, document intelligence goes a step further by identifying and structuring meaningful data, making it easier to store, search and analyze it. This capability is crucial for businesses looking to automate processes such as financial reporting, record keeping and transaction tracking. Through this lab, I would also gain practical experience in setting up AI projects within the Azure AI Foundry. This involves creating resources such as AI services, storage accounts, and key vaults, which are essential components of cloud based AI apps. Also understanding how to manage these resources effectively is an important skill for anyone looking to work in IT, AI development, or cloud computing. Additionally, working with prebuilt AI models introduces me to the efficiency of AI powered automation. Instead of building models from scratch, I would learn how to leverage existing AI models to extract structured data from documents, such as receipts and invoices. This approach saves time and makes AI more accessible to businesses and developers. A key aspect of the lab is working with AI powered data extraction and by analyzing receipts, I would see firsthand how the AI model can recognize key data points such as merchant names, addresses, transaction totals, and dates. The AI also assigns confidence scores to each extracted field, demonstrating how businesses can assess the accuracy of AI generated data. This capability has real-world applications in finance, retail, and customer service, where companies need to process large volumes of transactions efficiently. The ability to automate this process reduces manual data entry errors and increases operational efficiency.