09-03-2024 Meeting Notes

In this meeting, Mitch presented his work on the system to unify paths that had nodes with the same types but in different orders, which David approved of. David had worked on creating a web scraping prototype over the weekend with ChatGPT. David asked Mitch how to set up the prototype with the proper credentials via Teams over the weekend, and Mitch advised to provision a new AWS IAM role for using S3 and to combine those credentials with the Neo4j credentials in a .env file.

During the meeting, David said he created a new AWS IAM role and Organization, but was not able to verify if it was set up properly and said he wasn't sure if the credentials for this new role were working. David was also having issues connecting to his Neo4J AuraDB instance from the web scraping prototype, so he asked Mitch to:

1. Check that the AWS IAM user that he provisioned was set up correctly to use AWS S3.
2. Write a Nodejs script that:
   2a. Checks that his credentials are valid for AWS S3 by uploading a test document to an S3 bucket.
   2b. Checks that his credentials are valid for Neo4j by creating a test node in his AuraDB instance.

Mitch and David also spoke about the next steps for advancing the development of the prototype, which included the need for a system to create Cypher queries dynamically, a system to read the metadata object and use it to construct a dynamic query to get the requested data from from the database, and later a UI system and user experience to have the user select what type of information they'd like included in a table. Mitch and David agreed that implementing a system to create Cypher queries dynamically and creating the system to use the metadata object to query the required data was the next step for the prototype.

At the time of writing (09/04/2024) David's AWS root account is locked behind multi-factor authentication that Mitch does not have access to, meaning Mitch cannot sign in and verify the IAM role is set up correctly or check the credentials work with S3. Mitch has checked David's Neo4j credentials and while the credentials appear correct, it looks as though David's Neo4j AuraDB instance is currently stopped, causing a connection error. David can restart his Neo4j AuraDB instance by signing in to AuraDB and restarting the instance through the UI. Mitch will continue with the development of the prototype for now.