

Team Meeting

Date: Jan 31th, 2022

Attendees:

Nigam Lad
Ben Wilson
Yidu Guo

Absent:

N/A

1. Project

Progress

- Our team this week decided after further research, that it would be best for scalability purposes if we implemented a non structured database like MongoDB for our cross reference table. We decided on MongoDB for its easy integration and its Python APIs which would work great with implementing into the pipeline
- We have been reading into and learning how MongoDB functions and setting up test configurations to test its functionality.
- We have also been testing different docker configurations of the MongoDB server and interface to find which will work best with our pipeline
- Our team also decided to postpone working on the automation code for now since we realized it is not as important as getting the cross reference table functionality to work first. The pipeline automation can be done much later

Blocker + Surprises

- N/A (This week our main tasks was to research and read documentation as well as set up test environments for the database)

2. Learning Activity

- MongoDB documentation
- MongoDB docker setup and configurations
- Researching more functionalities of docker to choose the right final configuration for the pipeline and cross table database

Summary

At the end of this week, we have three configurations of MongoDB running in a docker container. We are still figuring out how it all works and researching on implementing it into our current pipeline.

3. Plan

Tasks for next week:

1. Have multiple working MongoDB configurations
2. Determine which configuration works best with our current pipeline

Learning activity proposed for next week:

1. Research MongoDB python API
2. Research MongoDB docker configurations

Goals for next milestone:

- ☐ Decide on database configuration
- ☐ Integrate database into pipeline