

MINUTES FOR 2nd TEAM MEETING [3/2022]

1. MEETING DETAILS

Secretary: Tamarakuro Joseph Aduwari

Date: 31 March 2022

Time: 5:00 PM – 6:00 PM

Location: Zoom

2. ATTENDEES.

The following persons were present:

Roberto Espinoza	(Client)	
Ratthapark Arnantayanan	(Gavin)	a1829241
Lei Huang	(Mario)	a1820323
Tamarakuro Joseph Aduwari	(Joseph)	a1814359

3. ABSENCES.

The following persons were absent:

Junlin Wang	(Grayson)	a1761503
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4. SUMMARY OF PREVIOUS MEETING

The previous meeting was the initial meeting with the client where we got to introduce ourselves and get an overview of the project and some direction on what topics and tools we might need to research in order to develop the project. The initial meeting was followed by Q&A on Slack to further elicit requirements.

5. GROUP MILESTONE

5.1 Overview

Pitch presentation finalized and submitted for feedback.

Database table schemas and relations were documented and updated based on client requirements in preparation for population with data sourced from various APIs.

5.2 Presentation

The group presented the database design and implementation to the client for feedback and the client offered suggestions for improvements and validated what implementation was in line with expectations. The client clarified that the data was to be sourced and mined without incurring cost (e.g. using paid APIs) and highlighted that the team was behind in the data sourcing and population of the database and set that as the requirement to progress further.

The team was made aware of potential roadblocks raised by the client, specifically around quality assurance to ensure data integrity as the data is sourced and populated in the database.

Questions were asked by the team to better understand the constraints of data to be sourced and populated and sought clarification on processing.

6. INDIVIDUAL MILESTONE

Ratthapark Arnantayakan (Gavin) a1829241

Updated database schema to match client requirements and recorded it in an excel worksheet to for easy reference and to show the client. Also updated python project functionality for fetching data from database.

Lei Huang (Mario) a182032

Assisted with API research for sourcing technical and fundamental data

Tamarakuro Joseph Aduwari (Joseph) a1814359

Updated python project classes and SQL queries to match the client requirements for creating and updating data on the database.

Junlin Wang (Grayson) a1761503

Further researched APIs which could be used to populate the database. Found that alphavantage.co was a good source of historical price and moving averages data.

7. PROJECT MANAGEMENT

- Set condition of next client meeting as delivery of populated database. Estimated delivery of populated database is 7/4/2022.
- Questions may be asked to the client anytime via Slack.

8. Q & A

8.1 Regarding the relative strength, do we calculate with the percentage change over 12 months or the average of daily percentage change over 12 months? (Gavin)

Ans: Client confirmed that the daily percentage change over 12 months would be ideal, but this was flexible if we populated the database with the daily percentage change for each stock

8.2 How much data do we need to consider while sourcing data? (Joseph)

Ans: Ideally as much as possible but considering database space constraints, we could get at least 2 years and as much over as we can accommodate in our database. However, fundamental data required more than 2 years and up to 4 years at least.

8.3 Is there a need to show users stored historical price? (Joseph)

Ans: No, for users that will only have access to visualized results.

8.4 What is your opinion on not storing all fundamental data on our database and only getting that data from an api when we need it for a calculation? (Gavin)

Ans: In the best case scenario, we should store all fundamental data listed in the requirements on our database. However, we could first use technical analysis to reduce the amount of data to be considered and fetch the required fundamentals for the extracted subset of stocks.

8.5 When next can we meet? (Joseph)

Ans: When we have results to show or need assistance with a major bottleneck would be an ideal time for a meeting. Otherwise, Slack should be used to ask questions.

8.6 What is the biggest issue you face using other stock screeners? (Mario)

Ans: The quality of data provided is poor and as a result, stock screening does not produce a good subset of stocks that could actually be useful. Finding insights in a vast dataset is challenging and there are many ways to process that data to find value, but most of what is on the market now is poor quality. To solve this problem, we do a search for high momentum stock based on the unique calculations we use.

8.7 Do we need the same set of data for indexes as we do for stocks?(Joseph)

Ans: At this point we should not focus on getting that data for the indexes because it is not readily available on the internet.

9. ADJOURNMENT

- The meeting ended at 6:00pm.
- The next meeting is a team meeting and will be held via Zoom at 11:00am on Friday 1st April 2022.