

**Business Analysis with Structured Data - DAT-7470 - FMBAN1**

Reflection Notes: Rosas Palas Franchise- TRIO 18



November 13, 2022

hult BUSINESS SCHOOL

SAN FRACISCO CAMPUS

Trio 18 is made of diverse backgrounds, a huge strength that allowed for various perspectives. Most importantly we all favored teamwork and valued eachother’s contributions.

**Team:**

* The team comprises,

1. **Sreekar Bathula** : *Senior software Engineer*

Sreekar comes with a background in software development. This helped a lot as he translated the accounting requirements to code and guided the team on the specification after alignment on requirements. His strength was writing and helping the team bring the codes to life.

2. **Jing Li:** *Mathematician with experience Accounting*

Jing understand Python and R which enabled him read requirement and translate into code. He was great at sharing ideologies , different perspectives and playing devil’s advocate challenging our thinking.

3. **Azukaego Chukwuelue**: *Business Management, Supply Chain.*

Azuka had a very good understanding of the case and was conversant with the accounting details. She contributed to telling the requirement in the user language and generating specifications correctly.

The diverse experiences in the room meant it was important to assemble and understand accounting (Balance sheets, Income statements), build the SQL queries as well as interpret requirements correctly. This enabled synergy, engendering a strong start.

**Daily Scrum Updates:**

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| --- | --- | --- | --- | --- | --- |
| **TRIO 18** | **Nov 8th** | **Nov 9th** | **Nov 10th** | **Nov 11th** | **Nov 12th** |
| **1. Sreekar 2. Jing 3. Azuka** | Requirement gathering, understanding the Account | Data understanding from H\_Accounting Database | Planning  & Execution | Building SQL queries & obtaining results | Retrospection & documentation |
| Reading Rosa Palas & understanding the balance sheets and income statements | Making & capturing the relevant assumptions | Building  SQL queries | Verification and Reflections |
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**Requirement gathering and Documentation:**

* Our trio gathered to get clarity on our deliverables. We aligned on the definition of done and timelines to complete the work
* We studied Rosa Palas accounting document, supporting videos and researched to further understand balance sheets, income statements and to figure out how to write the code.

**System Design:**

* + We reviewed the H\_Accounting database, understanding the tables and interconnectivity.
  + This gave fair clarity on the database, and we successfully made the skeleton of our SQL query by Day 1.

**Implementation & Verification :**

* + We started writing queries once our trio got comfortable and were on the same page with the requirements and design,
  + Sreekar coded on the projected screen while Azuka and Jing clarified and checked the data.
  + We further checked the codes to see if it will run on each person’s system
  + We ran into trouble when the codes broke but together traced and resolved bugs

**Retrospection:**

* + - Key learnings overall.
    - We adapted Waterfall methodology with daily scrum meetings and retrospection to discuss strengths, opportunity and focus for next day.
    - We gained experience using H\_Acounting, understanding accounting documents and transcribing accounts into tables
    - Key SQL/technical learnings .
    - Using Stored Procedures: to bring the tables to life
    - Writing Subqueries’: to build tables was an enlightening experience.
    - Joining Tables.
    - From a technical point of view, we planned and executed well.
    - *Things that worked well.*
    - Great team alignment and synergy, everyone was willing to learn bringing their best foot forward.
    - Adapting waterfall methodology helped plan our day and complete tasks on time.
    - Language and learning barriers were considered allowing everyone adequate contribution
    - *Things that could be improved.*
    - Build more skills in areas of learning needs.

**Future learning**Deploying the Waterfall methodology for this project enabled us to generate the code on time via careful planning, scheduling and daily scrum meetings. Our success criteria were following the software development life cycle and retrospection on what worked and what didn't.