



PAWSOME, INC
Presentation & Tableau Reports

BI Project ~ Milestone 3 Report

Date: May 29, 2024

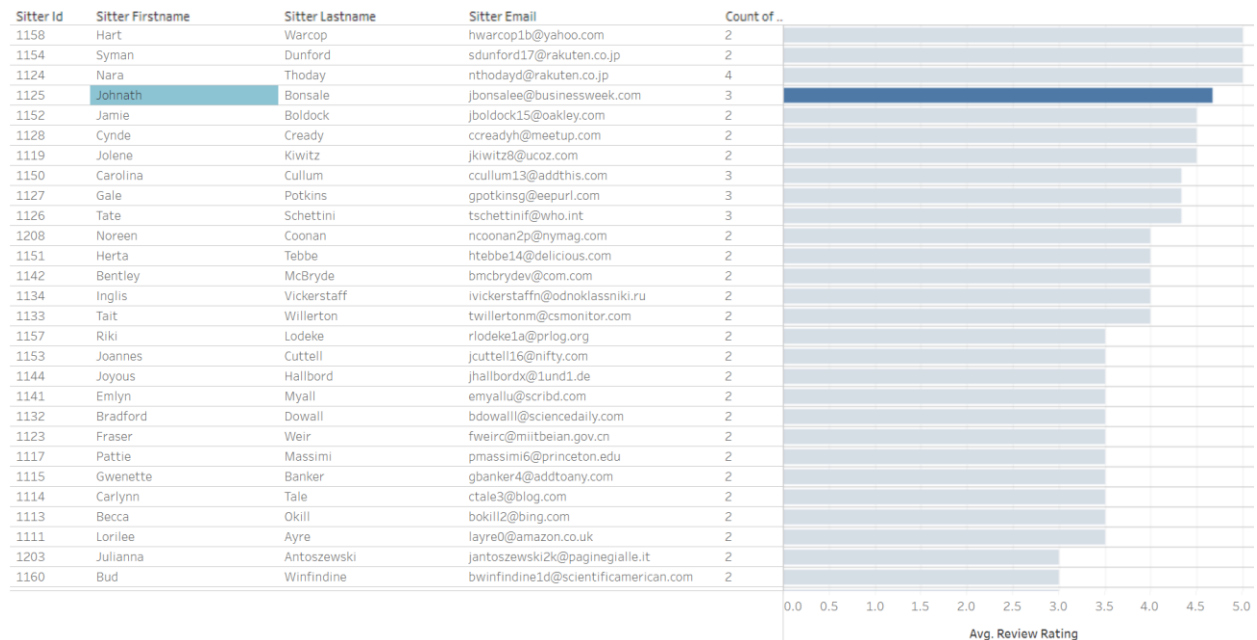
Team 4

Authors: Aditi Somani, David Abney, Navya Gangadharappa Ramesh, Pooja Patil, Yada So

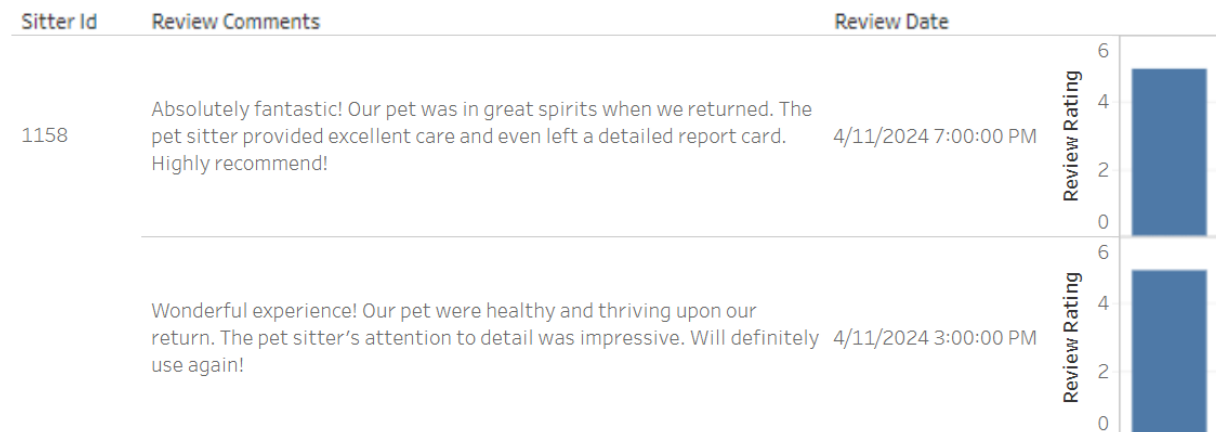
Tableau

- Highest Rated Sitter
 - URL
 - https://public.tableau.com/views/SitterRatings/TopRatedSitters?:language=en-US&publish=yes&:sid=&:display_count=n&:origin=viz_share_link
 - Summary
 - This is a drill down report that can show someone in HR can use to get a list of top performing employees. Clicking on a sitter's average rating record will take the user to a new report listing the actual reviews for that individual, allowing the end user to see what reviews are contributing to the rating.
 - Graphics

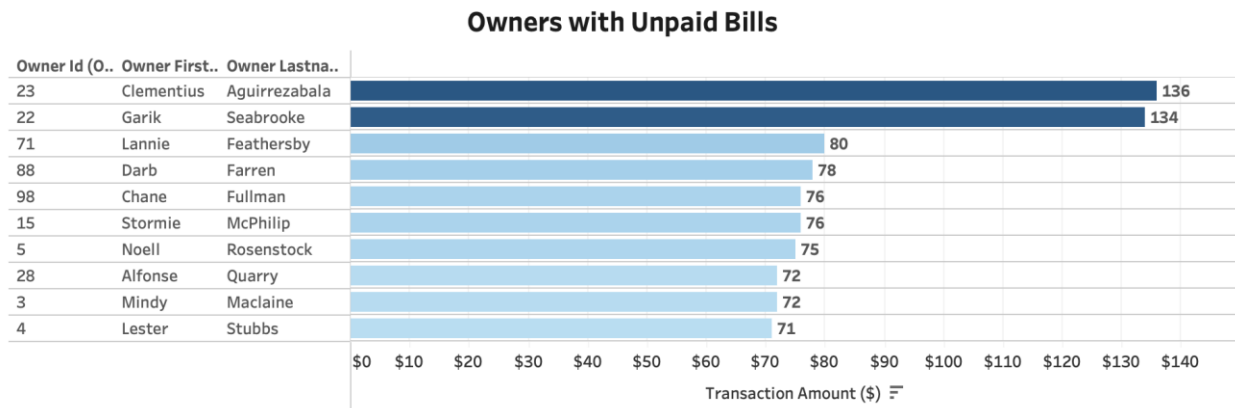
Top Rated Sitters



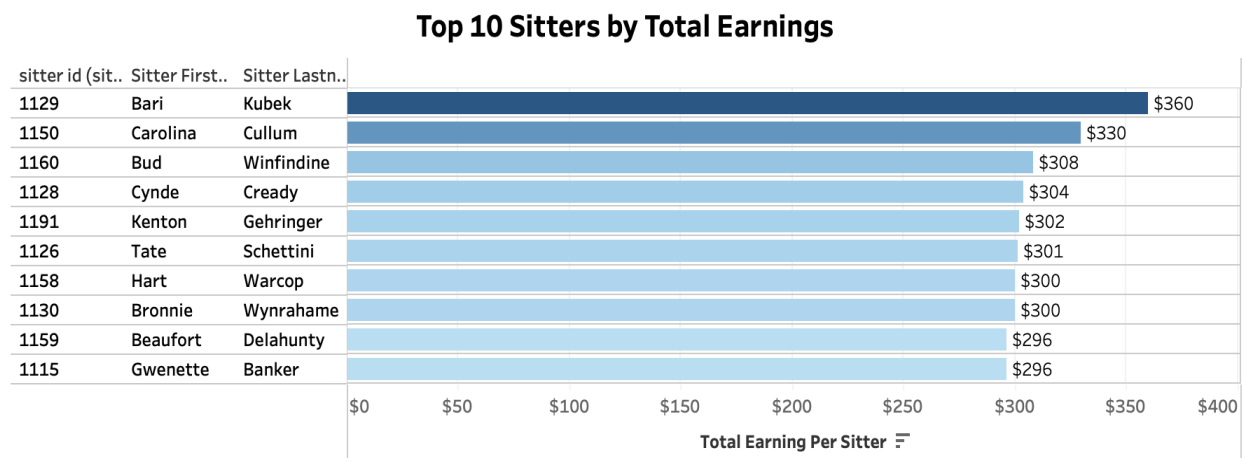
Individual Sitter Reviews



- Owner with Unpaid Bills
 - URL
 - <https://public.tableau.com/app/profile/aditisomani/viz/OwnerswithUnpaidBills/OwnerswithUnpaidBills?publish=yes>
 - Summary
 - This report provides the billing department with the ability to see unpaid bills and who they might contact. The outstanding bills are ordered largest to smallest and larger balances are a darker shade of blue to catch attention.
 - Graphics

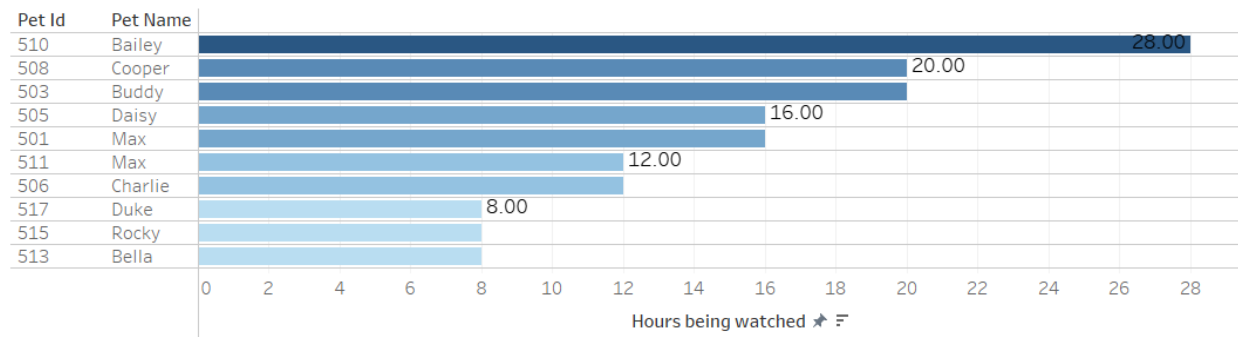


- Top 10 Sitters by Total Earnings
 - URL
 - https://public.tableau.com/shared/6D9QG9ZBC?:display_count=n&:origin=viz_share_link
 - Summary
 - The report could be used by a payroll office to see how much the employees are earning and who is earning the most. This report could be paired with the highest rated sitter report to ensure that sitters are being properly compensated.
 - Graphics



- Dogs Being Watched the Most
 - URL
 - <https://public.tableau.com/app/profile/navya.gangadharappa.ramesh/viz/TheDogsBeingWatchedtheMost/Sheet1?publish=yes>
 - Summary
 - The view shows the dogs being watched the most in the system. This allows the business to see who the loyal customers are and where they are getting repeat business from.
 - Graphics

The Dogs Being Watched the Most



- Hours Watched by Pet Species

- URL

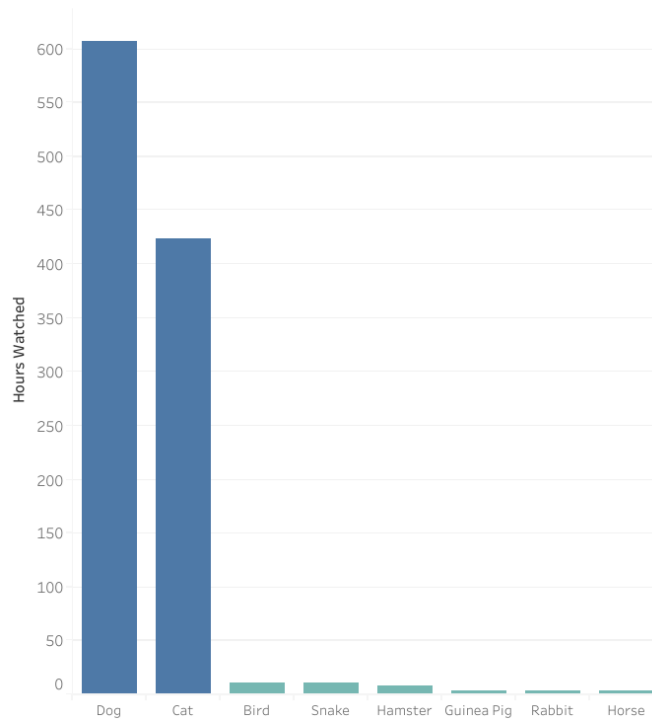
- <https://public.tableau.com/app/profile/yada.so5566/viz/Hourswatchedbyspecies/Sheet1?publish=yes>

- Summary

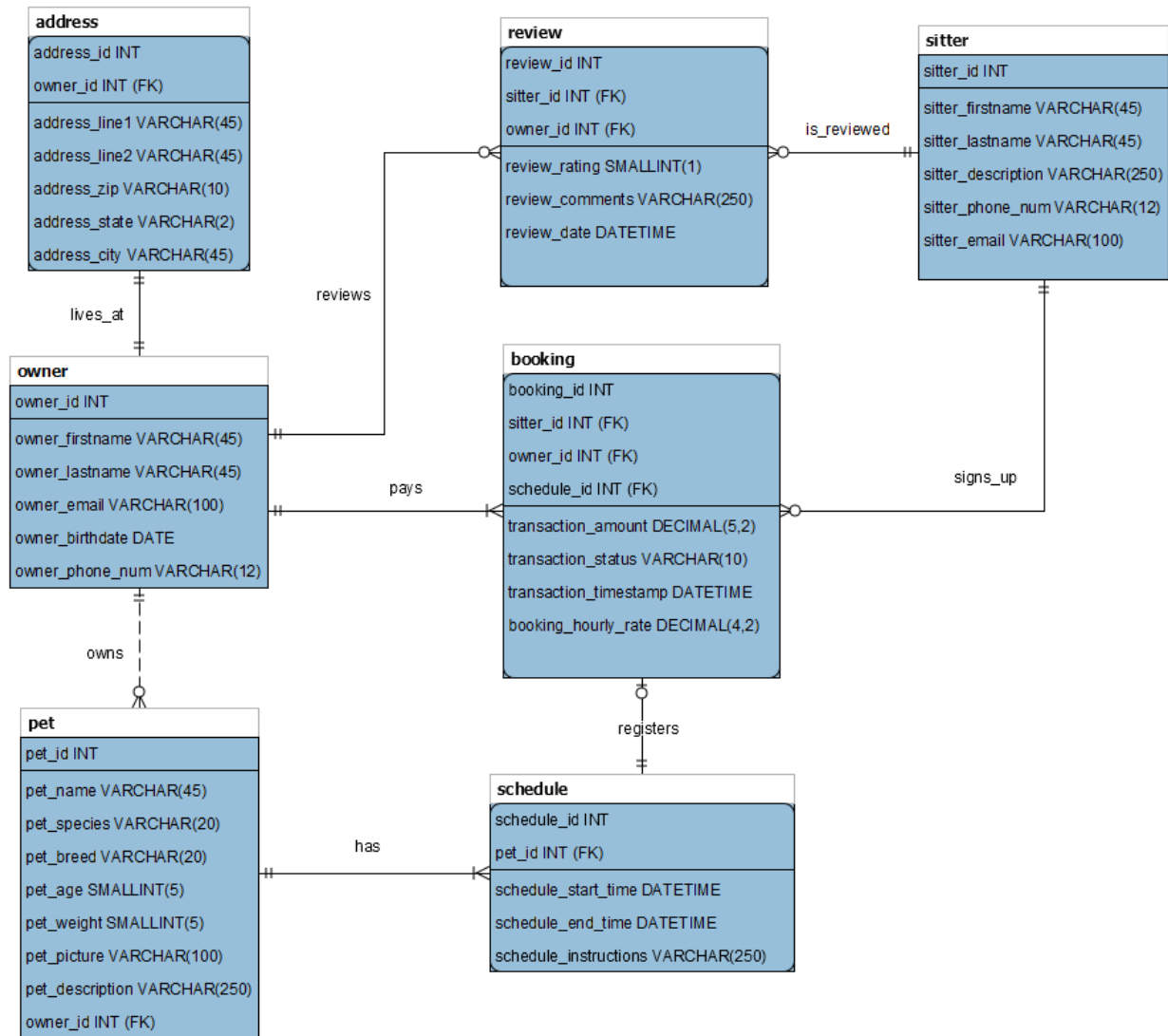
- Total number of hours by pet species can give the business leaders the information to understand where they are performing the best and what types of pet owners are using the system. In addition, they can examine areas for more growth, such as attracting more sitters willing to watch birds.

- Graphics

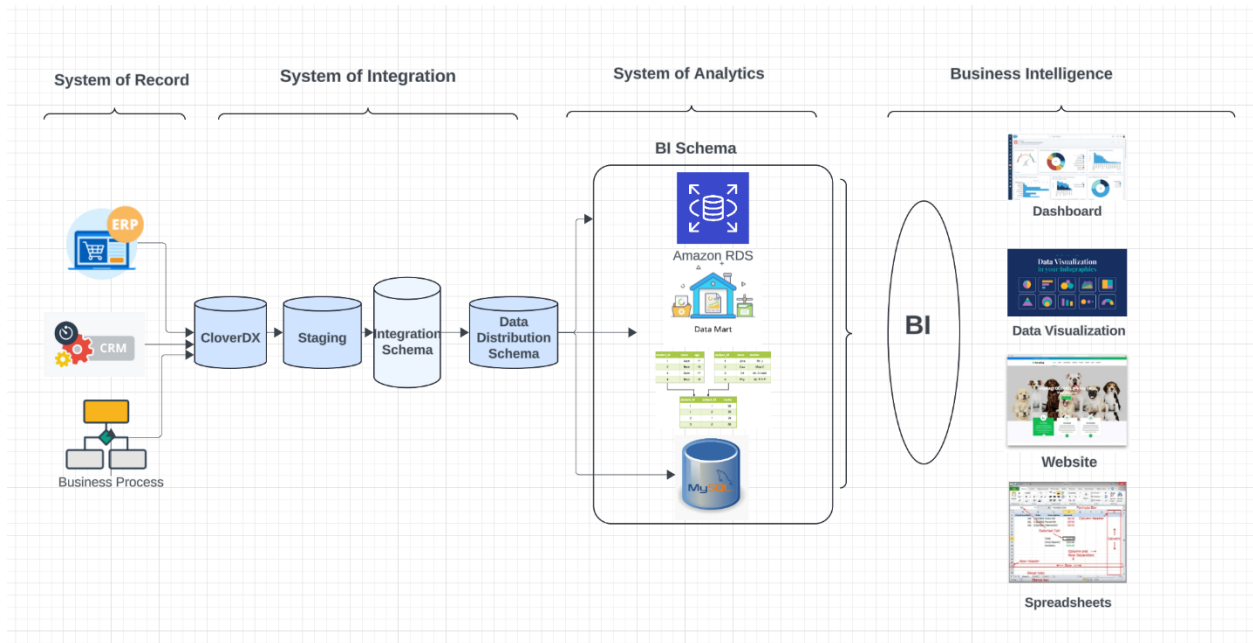
Hours Watched by Pet Species



ER Model



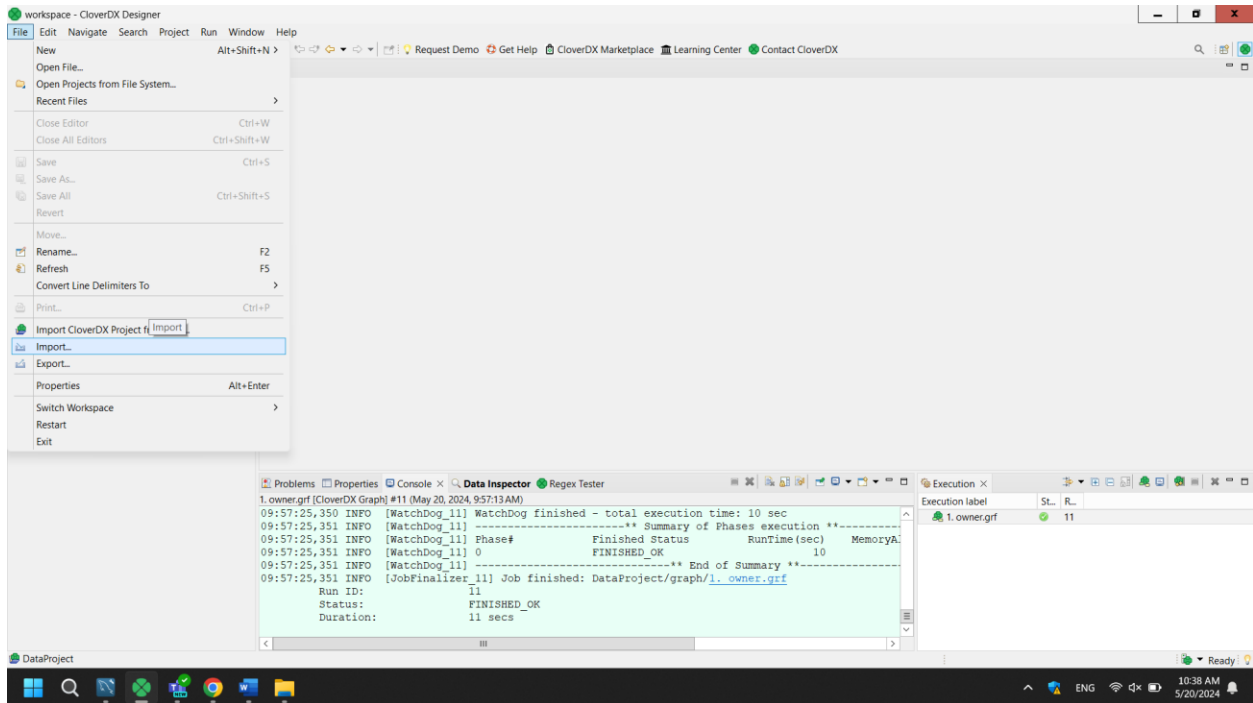
BI Architecture



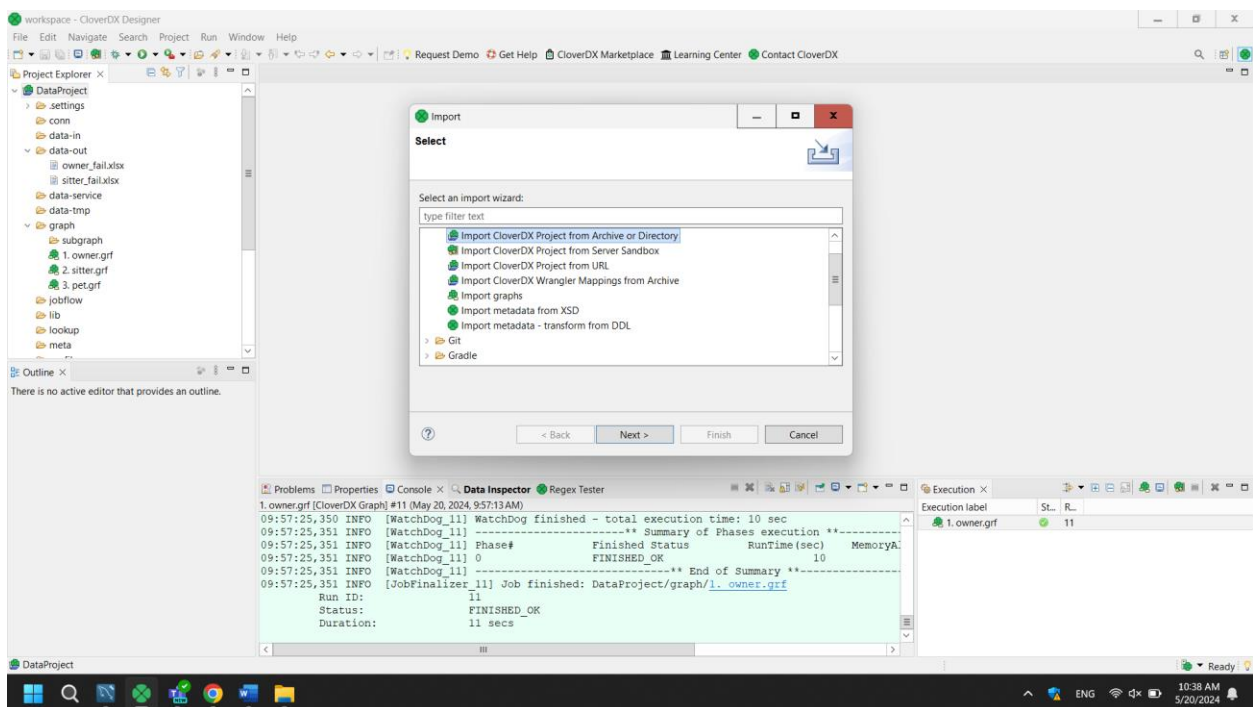
Clover DX

To run CloverDX to move our data from cssql database to Amazon RDS database, please follow the following steps. Make sure you have downloaded our CloverDX project named 'CloverDX_Team4' and save it on your computer.

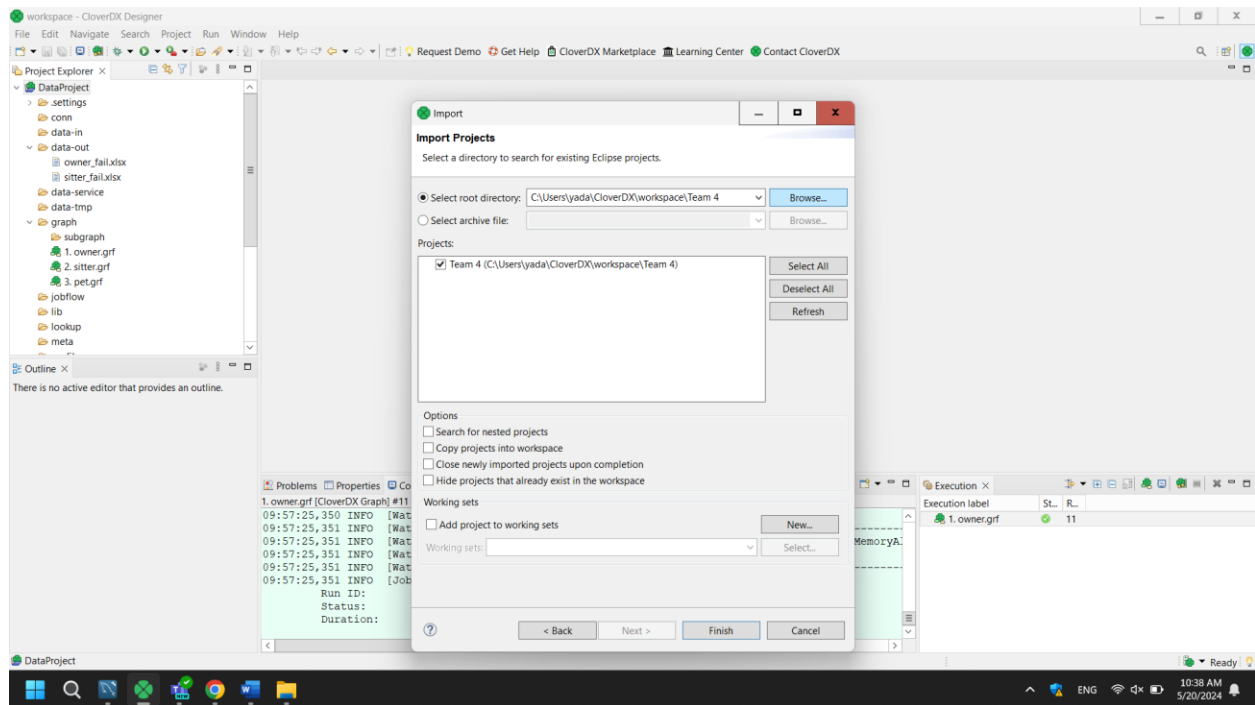
Step 1: Select File and then choose Import.



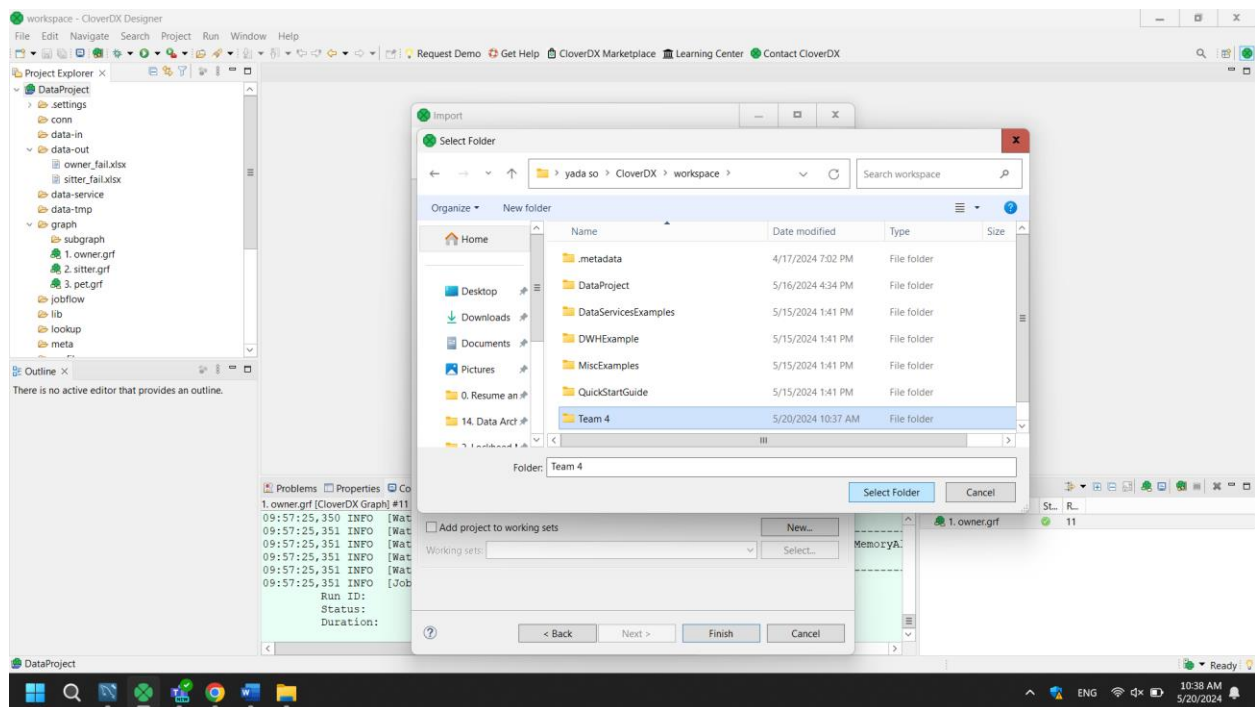
Step 2: On the Import window, select 'Run CloverDX Project from Archive or Directory' and then click 'Next'.



Step 3: A new import window will pop up and then click 'Browse'.

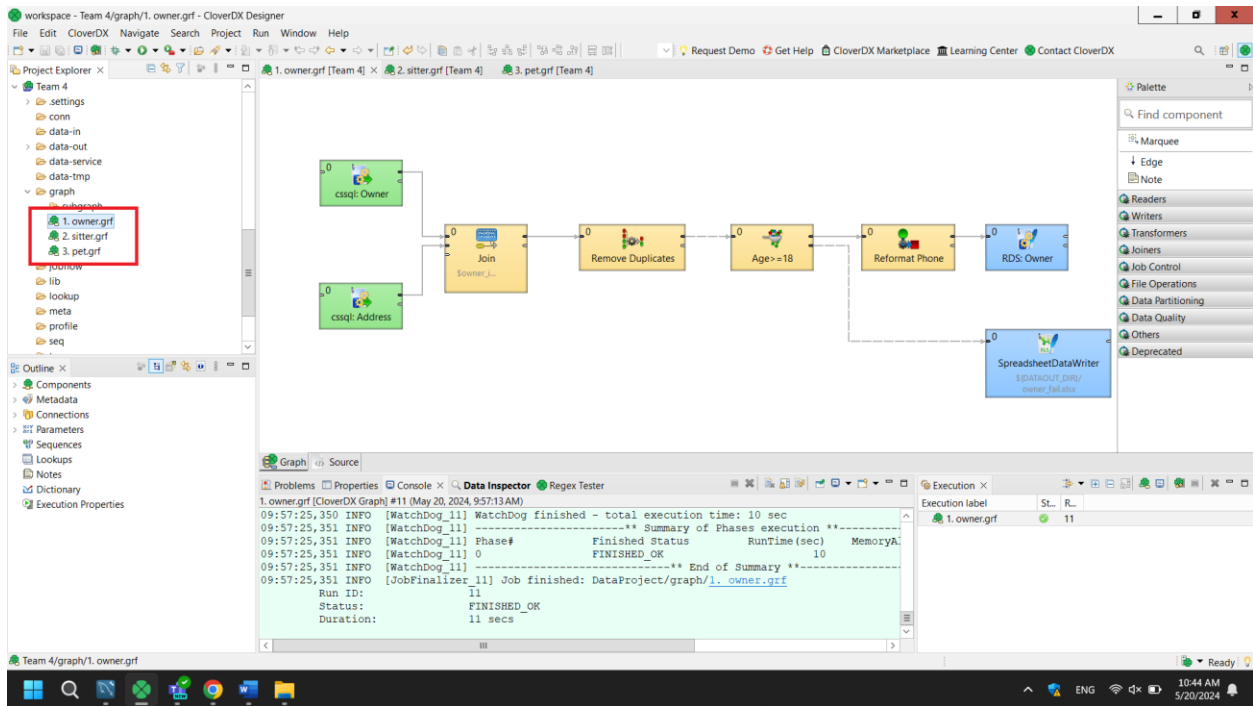


Step 4: After clicking the 'Browse' button, find the folder named 'CloverDX_Team4' that keeps our CloverDX project on your computer, and then click finish.

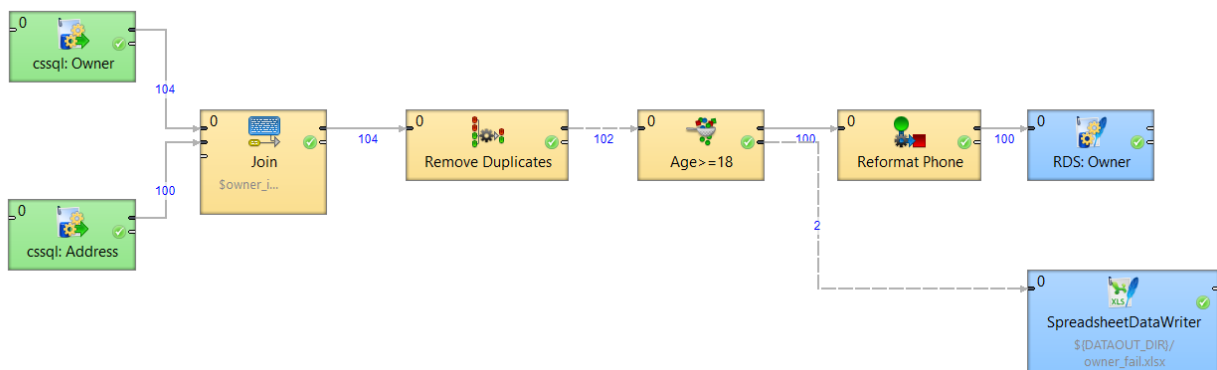


Step 5: After importing 'CloverDX_Team4' project to CloverDX, you should see 3 graphs in the 'Project Explorer' section for moving 3 tables in cssql server database to our RDS database. Select any graph

you want, and you can run it to move the data. However, since we already loaded the data to Amazon RDS, you must delete the data from RDS first, or you will get an error.

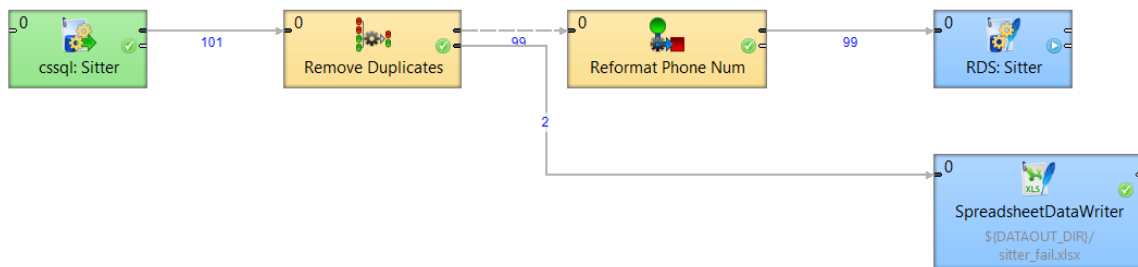


1. Owner Table



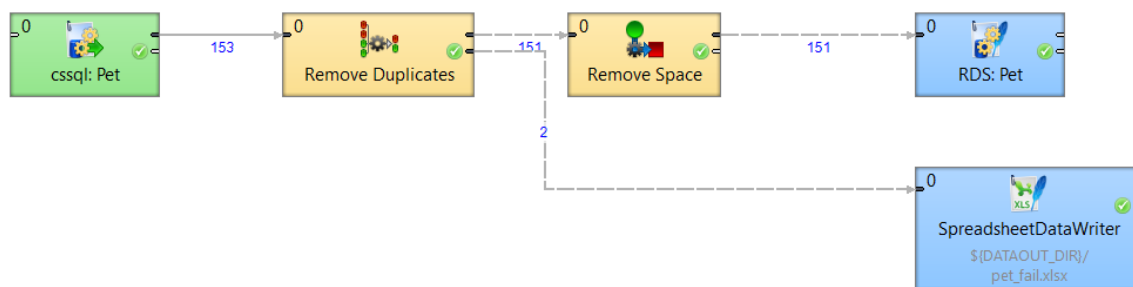
The above graph shows our Clover DX pipeline for the owner table. It was joined with the address table using owner_id before loading the data to our RDS database. We also checked if there were any duplicates and removed two duplicates from the owner table. Two owners younger than 18 years old were removed. Phone numbers in the existing owner table were not consistent, where we found that some phone numbers were written with hyphen such as 123-456-7890, some with space (123 456 7890), and some without space (1234567890). On CloverDX, we standardized our phone numbers using the format with hyphen (123-456-7890).

2. Sitter Table



We removed 2 duplicates and reformat sitter's phone numbers as explained above before loading the data to RDS database. To keep records of any removed data, we stored it in a separate spreadsheet.

3. Pet Table



In our pet records, we initially added a transformer to eliminate duplicates. We checked for records with the same pets associated with the same owners. For our analysis, we stored the removed duplicates in a spreadsheet. Since our data had spaces in the string attributes, we implemented transformation logic to trim the leading and trailing spaces.

The booking, address, review, and schedules table contents were also extracted from the MySQL CS database server and loaded into the Amazon RDS server, so the entire contents of the system was in RDS for the Tableau reporting.