Title: Deli-Meds

Milestone: NoSQL Implementation

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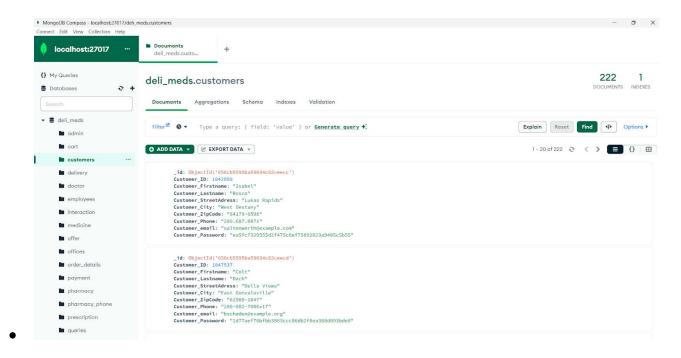
Percentage of Effort Contributed by Student1: 50%

Percentage of Effort Contributed by Student2: 50%

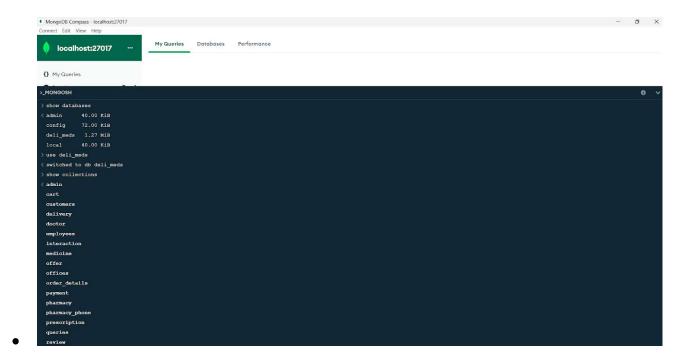
Signature of Student 1: Yaswanth Reddy Nalamalapu

Signature of Student 2: <u>Venkata Mani Sivasai</u> <u>Shanmukha Goparaju</u>

Submission Date: 12/03/2023



Created a database named **deli_meds** in MongoDB through adding most of the tables as collections by importing the data in **JSON** format from **MySQL**.



This can be seen in the **MongoDB shell** that combines **MongoDB** query language with a modern command-line experience(**CLI**).

A simple query can be executed to fetch the data from a collection named **pharmacy** present in the **deli_meds** database.

The query shown in the above picture would be fetching the medicine_name with "sed" and with a medicine_price greater than \$10.

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The aggregated query shown in the above picture would be fetching the **number of employees** present with each individual **jobTitle** from the **employees** collection in the descending order of the number of employees per each jobTitle

As described above, the same goes with the number of office codes present in the employees collection and the respective count.

Getting the individual medicine count from medicine collection

Getting the individual speciality count from the doctor collection

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Finding the unique specialties among the doctors and also calculating statistics such as the average length of Doctor Names for each specialty.

Below is the output.

```
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( {
    UniqueDoctorCount: 6,
    Specialty: 'ee',
    AygoctorNameLength: 15.67
  }
  {
    UniqueDoctorCount: 4,
    Specialty: 'dolores',
    AygoctorNameLength: 13
  }
  {
    UniqueDoctorCount: 3,
    Specialty: 'ue',
    AygoctorNameLength: 15.67
  }
  {
    UniqueDoctorCount: 3,
    Specialty: 'ue',
    AygoctorNameLength: 15.67
  }
  {
    UniqueDoctorCount: 3,
    Specialty: 'ue',
    AygoctorNameLength: 14
  }
  {
    UniqueDoctorCount: 3,
    Specialty: 'ue',
    AygoctorNameLength: 14
  }
  {
    UniqueDoctorCount: 3,
    Specialty: 'aut',
    AygoctorNameLength: 19
```

Query to find/collect the unique Pharmacy IDs per Order and count the number of unique pharmacies per order from the **cart** collection.

Below is the output.