Safety Escort Service Database Management System

Milestone – Implementation in NoSQL

Group 22

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Percentage of Effort Contributed by Veda: 50

Percentage of Effort Contributed by Satyajit: 50

Signature of Veda: VEDA

Signature of Satyajit: SATYAJIT

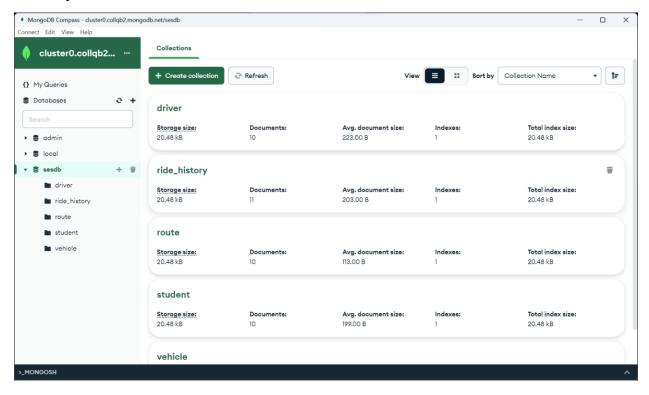
Submission Date: 04/16/2023

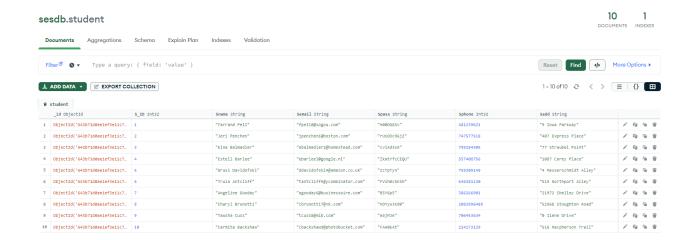
Software used: MongoDB Compass

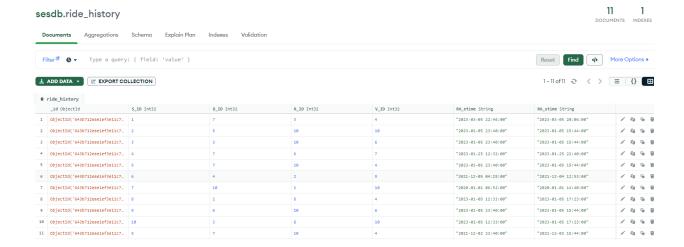
Json data files for tables – student, driver, ride_history, route, vehicle, notifications were downloaded from MySQL Workbench and imported into MongoDB Compass.

Database Name: sesdb

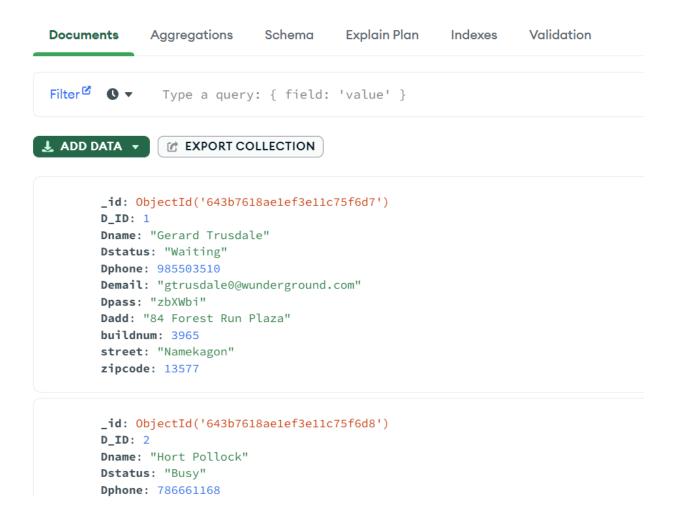
Data Import:







sesdb.driver



Get the names and contact information of all drivers who are currently available to drive:

```
db.driver.find({Dstatus: "Available"}, {Dname: 1, Dphone: 1, id: 1})
```

```
> db.driver.find({Dstatus: "Available"}, {Dname: 1, Dphone: 1, _id: 1})

< {
     _id: ObjectId("643b7618ae1ef3e11c75f6d9"),
     Dname: 'Shalne Sherlock',
     Dphone: 347618126
     }
     {
      _id: ObjectId("643b7618ae1ef3e11c75f6e0"),
      Dname: 'Armand Puller',
      Dphone: 249164859
     }
}</pre>
```

Finding which route had max number of stops and displaying its details

])

Display all rides of a particular vehicle with vehicle id = 10 db.ride_history.find({V_ID: 10})

```
> db.ride_history.find({V_ID: 10})
     _id: ObjectId("643b712eaelef3e11c75f6af"),
     S_ID: 2,
     D_ID: 5,
     R_ID: 10,
     V_ID: 10,
     RH_etime: '2023-01-05 23:40:00',
     RH_stime: '2023-01-05 15:44:00',
     RH_origin: '045 North Center',
     RH_dest: '823 Sage Way',
     Rating: 4
   }
     _id: ObjectId("643b712eaelef3e11c75f6b4"),
     S_ID: 7,
     D_ID: 10,
     R_ID: 1,
     V_ID: 10,
     RH_etime: '2020-01-01 06:52:00',
     RH_stime: '2020-01-01 14:40:00',
     RH_origin: '48 Miller Avenue',
     RH_dest: '21972 Shelley Drive',
     Rating: 3
   }
     _id: ObjectId("643b712eae1ef3e11c75f6b7"),
     S_ID: 10,
     R_ID: 8,
     V_ID: 10,
     RH_etime: '2023-01-05 12:33:00',
     RH_stime: '2023-01-05 17:23:00',
     RH_origin: '843 Grasskamp Circle',
     RH_dest: '1087 Carey Place',
     Rating: 2
```