**GW#M3.01-In Class Activity**

**Note-Complete before class ends**

**Complete the table below:**

Resources Needed

* How to load sample data in Mangodb?

[Load Sample Data — MongoDB Atlas](https://docs.atlas.mongodb.com/sample-data/#std-label-load-sample-data)

**Group Work Instructions:**

1. **Create a free account in MongoDb**
   1. [**https://www.mongodb.com/**](https://www.mongodb.com/)
   2. Free Trial
   3. Free Cluster (do not use credit cards ever)
2. **Under Databases- go to Collection and choose AirbnB Data Base**
3. **Write a query for each one statement below**
4. **Complete the table and submit individually the same Group Work Document as GW#XXXM3.1**

**On top of the document list the:**

**Group # your number**

**Each Member**

|  |  |
| --- | --- |
| QUESTION | YOUR ANSWER |
| A good NoSQL database to choose for a social network is generally \_\_\_\_\_. | MongoDB      a graph database      not an issue. They are all relatively equal      a key-value store |
| Are NoSQL databases more affordable than relational? | * Not necessarily. There are costs associated with ramping your teams up, scaling, and more.   Yes, NoSQL databases are all open-source where relational databases are owned by large corporations.      No. Developers don't know NoSQL and it costs a fortune to ramp them up.      Cost isn't an issue when it comes to the tech you choose. |
| You might NOT want to consider a NoSQL database if you need \_\_\_\_\_. | * highly consistent data   performance gains      speed      graceful fallbacks |
| What is one drawback of most NoSQL systems? | * They are old and outdated.   They are very expensive.      They typically don't have the same promise of consistency that relational databases have.      They are not easy for Scrum teams to use. |
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|  |  |
| Mango DB Queries -Hands On  Example-Mango Db-AirbnB  {"property\_type": 1,"room\_type": 1,"beds": 1} | {property\_type: "House",bed\_type: "Real Bed",beds: 3} |
|  |  |
| Question 1:  Find all apartments in the Airbnb database that have 3 bedrooms, 2 baths. |  |
| Question 2:  Find all houses in the Airbnb database that have 3 bedrooms, 2 baths, and minimum night stay :3. |  |
| Question 3:  Find all houses in the Airbnb database that accommodate maximum 30 people |  |
| Question 4:  Find all houses in the Airbnb database that have a pool and have 3 bedrooms |  |
| Question 5:  Find all houses in the Airbnb database that have a moderate cancellation policy |  |
| Question 6:  Find all houses in the Airbnb database that are located in Portugal |  |
| Question 7:  Find all apartments in the Airbnb database that have TV |  |
| Question 8:  Find all apartments and houses in the Airbnb database that are located in NY |  |
| Question 9  Discuss in your teams what you would like to investigate more from this database and add your question and query |  |