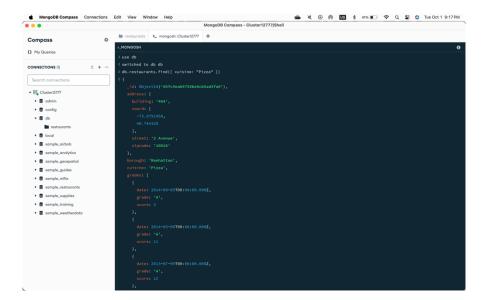
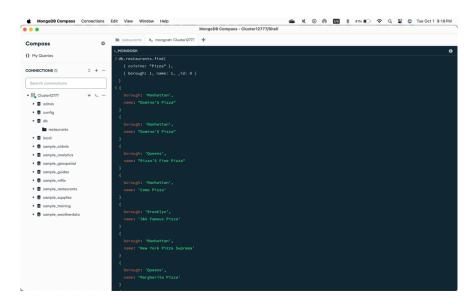
```
1. Give an (non-trivial) example XML document that conforms to the above DTD.
<flightlist>
       <flight number="ABC111" origin="BOS" dest="JFK">
              <passengers date="2024-09-30">
                     <passenger name="Alexa Bezos" seat="15B"/>
                     <passenger name="Jada Smith" seat="15C"/>
              </passengers>
       </flight>
       <fli>flight number="XYZ222" origin="JFK" dest="SFO">
              <passengers date="2024-09-30">
                     <passenger name="Smith Brown" seat="15C"/>
                     <passenger name="Clara Dune " seat="15D"/>
              </passengers>
       </flight>
</flightlist>
2a. Give the JSON representation of the object cs125.
       "name": "CS 125",
       "enrollment": 500,
       "averageGrade": 3.9
}
2b. Give the JSON representation of the new object cs125.
       "name": "CS 125",
       "enrollment": 500,
       "averageGrade": 3.9,
       "instructor": {
             "name": "Geoffrey",
              "age": 38
       "grades": [4, 4, 3]
}
```

3i. Select all entries in the database WHERE the cuisine is Pizza. db.restaurants.find({ cuisine: "Pizza" })



3ii. Select only the boroughs and name of the restaurant where the cuisine is Pizza. Study how you can avoid displaying the id.

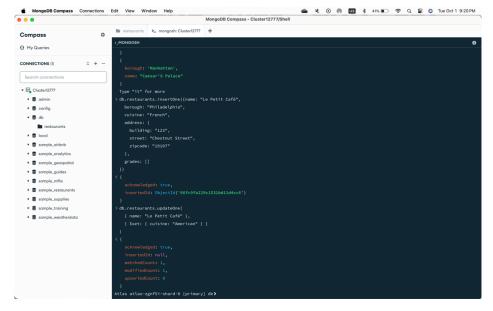


3iii. Insert a new restaurant with an address in Philly and cuisine French.

```
db.restaurants.insertOne({
    name: "Le Petit Café",
    borough: "Philadelphia",
    cuisine: "French",
    address: {
        building: "123",
```

## **3iv.** Update your new restaurant just inserted. Set the cuisine to "American." db.restaurants.updateOne(

{ name: "Le Petit Café" }, { \$set: { cuisine: "American" } }



## **3v.** Select all the details for only the new record you created and updated. db.restaurants.findOne({ name: "Le Petit Café" })

```
# MongoDB Compass Connections Edit View Window Help

MongoDB Compass - Cluster12777/Shell

MongoDB Compass - Cluster12777/Shell
                            o III restourants >_ mongosh: Clusteri2777 +
 {} My Queries
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  ▼ 🖺 Cluster12777
   → ■ admin
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    ▶ 3 sample_analytics
    ▶ 3 sample_geospatial
    ▶ 3 sample_mflix
   ► ■ sample_supplies
► ■ sample_training
    ▶ S sample_weatherdata
```

## 3vi. Remove the restaurant you created.

```
Compass
{} My Queries
▼ 📇 Cluster12777
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  ▼ 3 db
 restaurants

local
 ➤ ■ sample_airbnb
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 ▶ 3 sample_geospatial
 ▶ 3 sample_guides
 ▶ ■ sample_restaurants
 sample_training
  ▶ S sample_weatherdata
```