COMP 306: Database Management Systems

Spring 2023 - Homework 5

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A screenshot of a computer program

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Figure 1: brew services start mongodb-community@6.0



Figure 2: use hw5

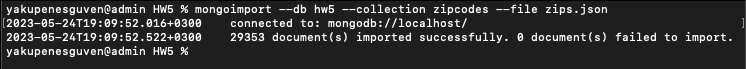


Figure 3: mongoimport --db hw5 --collection zipcodes --file zips.json



Figure 4: show collections

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Figure 5: db.zipcodes.find().limit(15)

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Figure 6:db.zipcodes.find().sort().limit()

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Figure 7: db.zipcodes.find()

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Figure 8: db.zipcodes.aggregate()

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Figure 9: db.zipcodes.aggregate()

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Figure 10: db.createCollection("customers",)

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Figure 11: db.customers.insertMany()

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Figure 12: db.customers.find()

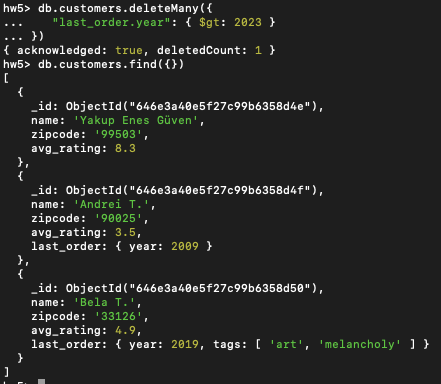


Figure 13: db.customers.deleteMany()

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Figure 14: db.customers.updateOne()

The error message indicates that the validation failed for the "avg\_rating" field. It states that the schema rules for the "avg\_rating" property were not satisfied. Based on the previous information, the "avg\_rating" field must be a double between 0.0 and 10.0. In this case, it seems that the attempted update set the "avg\_rating" field to a value that is outside the allowed range of 0.0 to 10.0. To resolve this issue, we should update the code with a valid value within the specified range for the "avg\_rating" field.

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Figure 15: db.customers.aggregate()



Figure 16: mongoexport --db hw --collection customers --out customers.json