

HAND ME DOWNS - A Recommerce Platform

NOSQL IMPLEMENTATION

Group 13:

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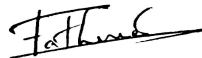
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Summary of NoSQL Implementation

Based on the SQL implementation for our project, we had 24 tables in our schema. The tables were created in MySQL Workbench. Now we export each of these tables as JSON files from MySQL and then import them as collections into MongoDB Compass. Then we ran the same queries we used in SQL, in NoSQL.

Querying the database

1) Showing the distinct sellerIDs from the collection Product_soldby_seller

```
>_MONGOSH
> db.product_soldby_seller.distinct("SellerID")
< [
  '00 eo', '00 vy', '00 we', '01 qq', '02 qa', '03 dn',
  '03 lo', '04 dz', '05 kl', '07 ma', '11 om', '12 hd',
  '13 ej', '13 qf', '13 nd', '15 gp', '16 dv', '20 kp',
  '22 gs', '22 on', '23 ac', '23 th', '24 ja', '24 vk',
  '25 ac', '26 gl', '28 hz', '34 kz', '36 ch', '36 df',
  '36 rp', '38 af', '38 qa', '40 kg', '41 rr', '42 gn',
  '43 aa', '43 pc', '43 pt', '44 io', '45 yt', '45 zw',
  '47 zs', '48 ap', '48 jx', '49 ex', '51 fi', '52 fo',
  '53 as', '53 fa', '53 ju', '53 nt', '53 pk', '55 ar',
  '55 me', '58 mq', '59 bd', '59 zk', '61 em', '62 lh',
  '63 eh', '63 yn', '65 nf', '66 ee', '66 yr', '69 wz',
  '70 bz', '70 iv', '70 ju', '72 jo', '72 tk', '73 ri',
  '73 uq', '74 qv', '74 tu', '74 wx', '75 oo', '76 qo',
  '76 vi', '77 jw', '77 uq', '77 yb', '79 ly', '79 od',
  '79 vz', '80 fr', '80 qg', '82 df', '82 ln', '82 nw',
  '84 kd', '85 cw', '88 he', '89 ix', '90 dg', '91 gz',
  '91 to', '92 ss', '93 be', '96 sd'
]
```

2) Getting the count of items under each product category

```
>_MONGOSH
> db.product.aggregate([{$group: { _id: "$Product_Category", count: {$sum:1} } }])
< { _id: 'furniture', count: 15 }
  { _id: 'home decor', count: 14 }
  { _id: 'accessories', count: 18 }
  { _id: 'clothing', count: 17 }
  { _id: 'sportsgear', count: 20 }
  { _id: 'books', count: 16 }
```

- 3) Getting all the documents with either a rating of 5 or 4 in the reviewedfo collection

```
> db.reviewedfo.find({$or: [{Rating: 5}, {Rating: 4}]})
< { _id: ObjectId("638963181d3921c9739509b5"),
  ReviewID: '005',
  AssessmentMarks: 0,
  Rating: 4,
  DateofAssessment: '1994-07-04',
  Product_id: '194' }
{ _id: ObjectId("638963181d3921c9739509b6"),
  ReviewID: '017',
  AssessmentMarks: 0,
  Rating: 5,
  DateofAssessment: '1981-10-02',
  Product_id: '509' }
{ _id: ObjectId("638963181d3921c9739509be"),
  ReviewID: '060',
  AssessmentMarks: 0,
  Rating: 5,
  DateofAssessment: '1972-09-01',
  Product_id: '234' }
{ _id: ObjectId("638963181d3921c9739509bd"),
  ReviewID: '080',
  AssessmentMarks: 0,
  Rating: 5,
```

- 4) Finding a product with id=7

```
>_MONGOSH
```

```
> db.product.find({"Product_id":"007"})
< { _id: ObjectId("638bf0107f9756946145f358"),
  Product_id: '007',
  Product_Category: 'accessories',
  Product_Name: 'consequatur',
  Product_Description: 'Sunt repudiandae veritatis cum tempore recusa',
  UnitPrice: 190838337,
  Quantity: 1 }
Project> |
```

5) Inserting a record into table end-user

```
>_MONGOSH

> db.end_user.insertOne({"UserID":"13452","FirstName":"Miley","LastName":"Cyrus","DateOfBirth":"1998-12-18","Gender":"F","Address":"67 St Germain St","PhoneNumber":1234567890})
< { acknowledged: true,
    insertedId: ObjectId("638c22740e508eb7f5b1d490") }
Project>
```

6) Updating Employees Address

```
>_MONGOSH

> db.employees.updateOne({"Employee_id":"03 rv"},{$set:{"Address":"48 Boylston St"}})
< { acknowledged: true,
    insertedId: null,
    matchedCount: 1,
    modifiedCount: 1,
    upsertedCount: 0 }
Project> |
```