CompeteNow: a Tournament Organization Platform

Milestone: NoSQL Implementation
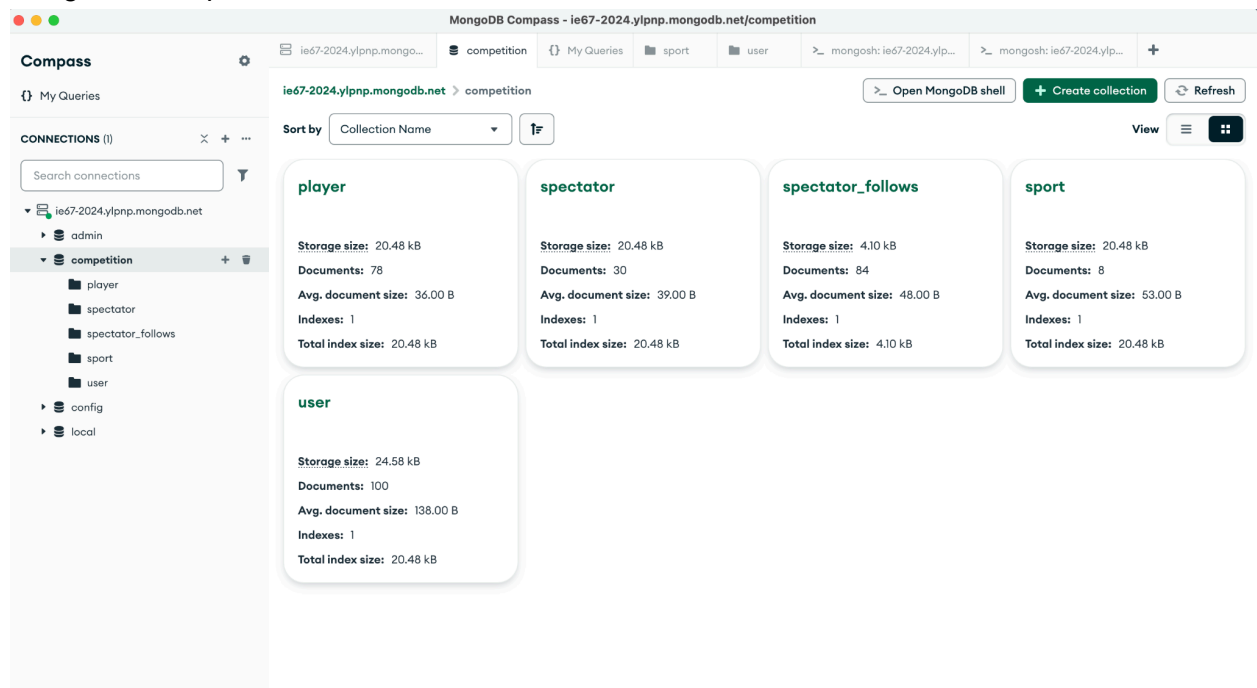## Group 24

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Percentage of Effort Contributed by Student1: 100%

Signature of Student 1:

Submission Date: 11/26/2024

MongoDB Compass:

Queries:
Very Simple
db.sport.find();

```
> db.sport.find();
< {
    _id: ObjectId('674641ab3e8bf142f9367761'),
    sportID: 1,
    name: 'Tennis'
}
{
    _id: ObjectId('674641ab3e8bf142f9367762'),
    sportID: 2,
    name: 'Boxing'
}
{
    _id: ObjectId('674641ab3e8bf142f9367763'),
    sportID: 3,
    name: 'Ping Pong'
}
{
```

Simple

```
db.user.find({}, { name: 1, _id: 0 });
```

```
> db.user.find({}, { name: 1, _id: 0 });
< {
    name: 'Jamima Colbourn'
  }
  {
    name: 'Jonathon Westmancoat'
  }
  {
    name: 'Theadora Duckit'
  }
  {
    name: 'Berkeley Pears'
  }
  {
    name: 'Chic Wasbrough'
  }
```

Multiple Conditions

```
db.user.find({gender: "F", age: {$gt: 40}},{ name: 1, gender: 1, age: 1, _id: 0 });
```

```
> db.user.find({gender: "F", age: {$gt: 40}},{ name: 1, gender: 1, age: 1, _id: 0 });
< {
    name: 'Missie Deverill',
    gender: 'F',
    age: 47
  }
  {
    name: 'Lorry Mansour',
    gender: 'F',
    age: 71
  }
  {
    name: 'Vicki de Glanville',
    gender: 'F',
    age: 59
  }
```

Aggregate
db.user.aggregate([{$group: {_id: "$gender", averageAge: {$avg: "$age"}}}]);

```
> db.user.aggregate([{$group: {_id: "$gender", averageAge: {$avg: "$age"}}}]);
< {
    _id: 'F',
    averageAge: 43.44
  }
  {
    _id: 'M',
    averageAge: 48.3
  }
  {
    _id: 'X',
    averageAge: 48.5
  }
```