Sprint 1 Submission

CS5500 Project

Group Name: Fire Emblem

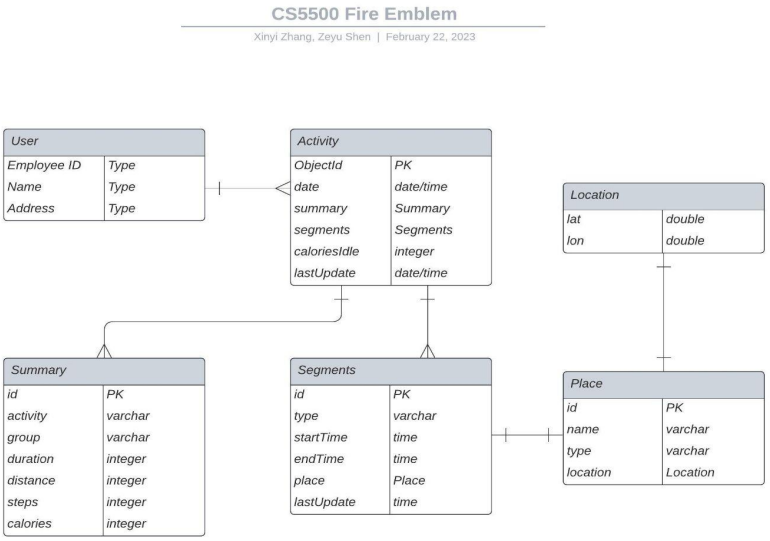
Group Members: Xinyi Zhang, Zeyu Shen

***GitHub Project Board*: https://github.com/users/xinyisherryz/projects/1**

***Git Repo*: https://github.com/xinyisherryz/cs5500-fire-emblem**

***Trello Board*: https://trello.com/b/Rk1GKh9W/cs5500-fire-emblem**

*** Entity Relationship Diagram (ERD) describing your data schema:**



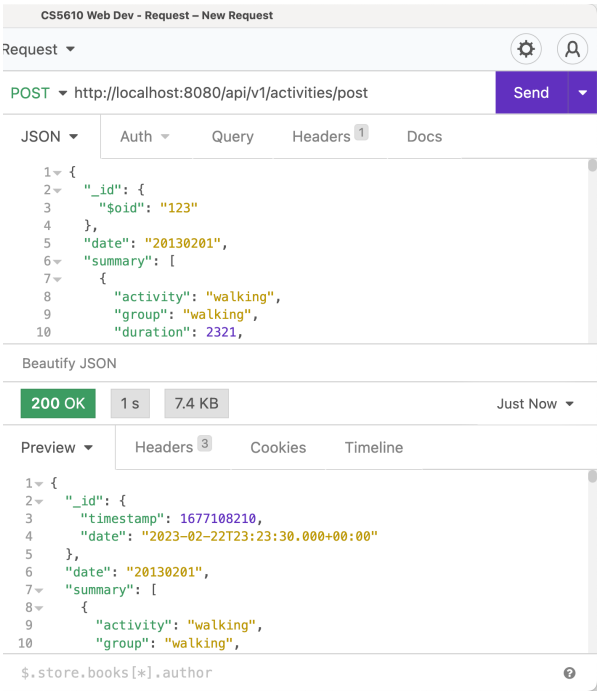
*** Database has been created (locally) and storyline.json loaded into your database:**

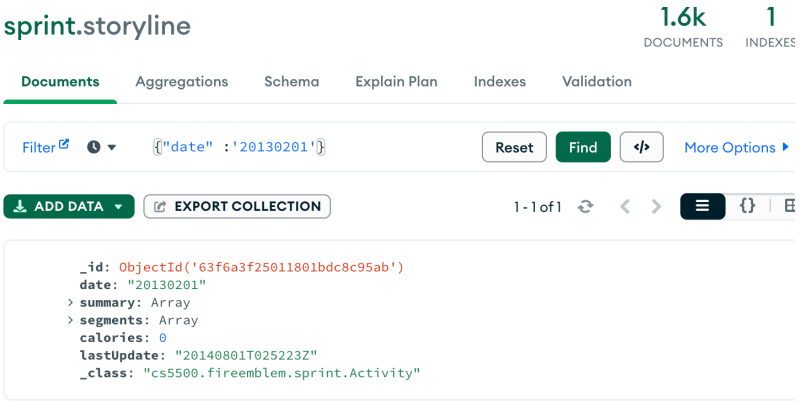
We have successfully deployed and connected the database on MongoDB Atlas, and we are currently using MongoDB Compass as the GUI to check it locally.

*** CRUD operations & Tests**

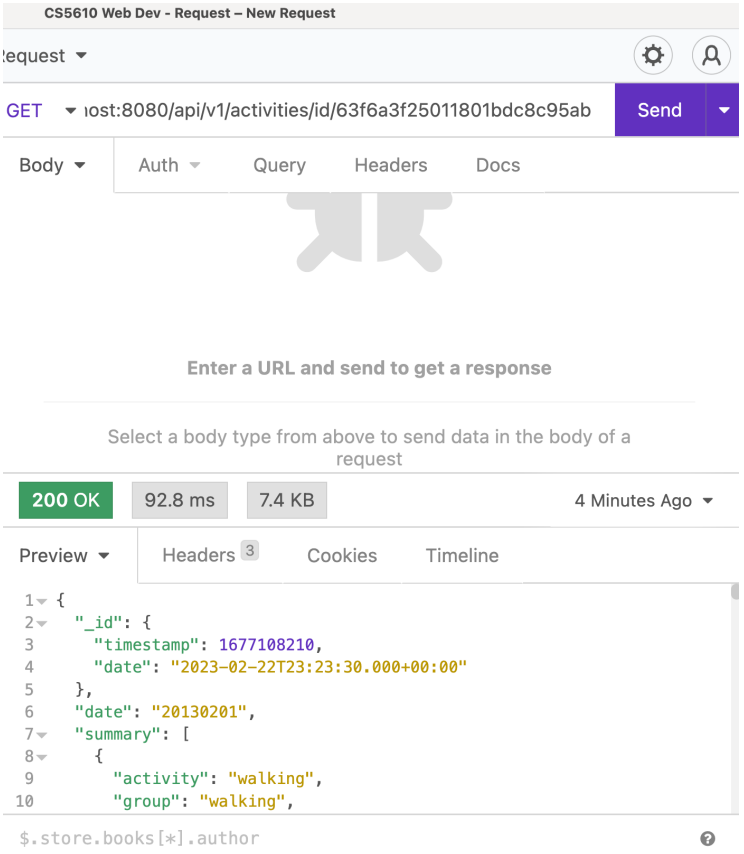
We have implemented the GET, POST, PUT, and DELETE methods, and we have tested them using Insomnia. With these operations in place, users can easily access an overview of their daily activities and manage their records online. We have successfully implemented all the basic CRUD methods and are now focusing on developing more specific and advanced requests to help users better analyze their exercise habits.

1. Users can post new activity records :

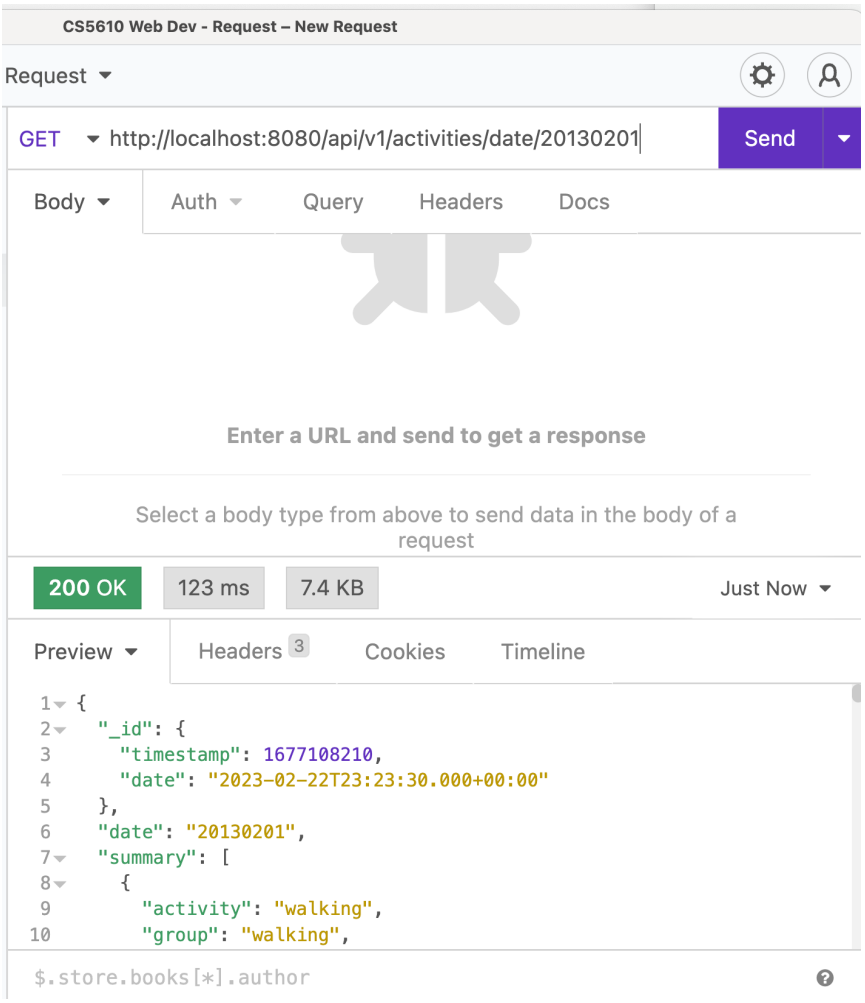




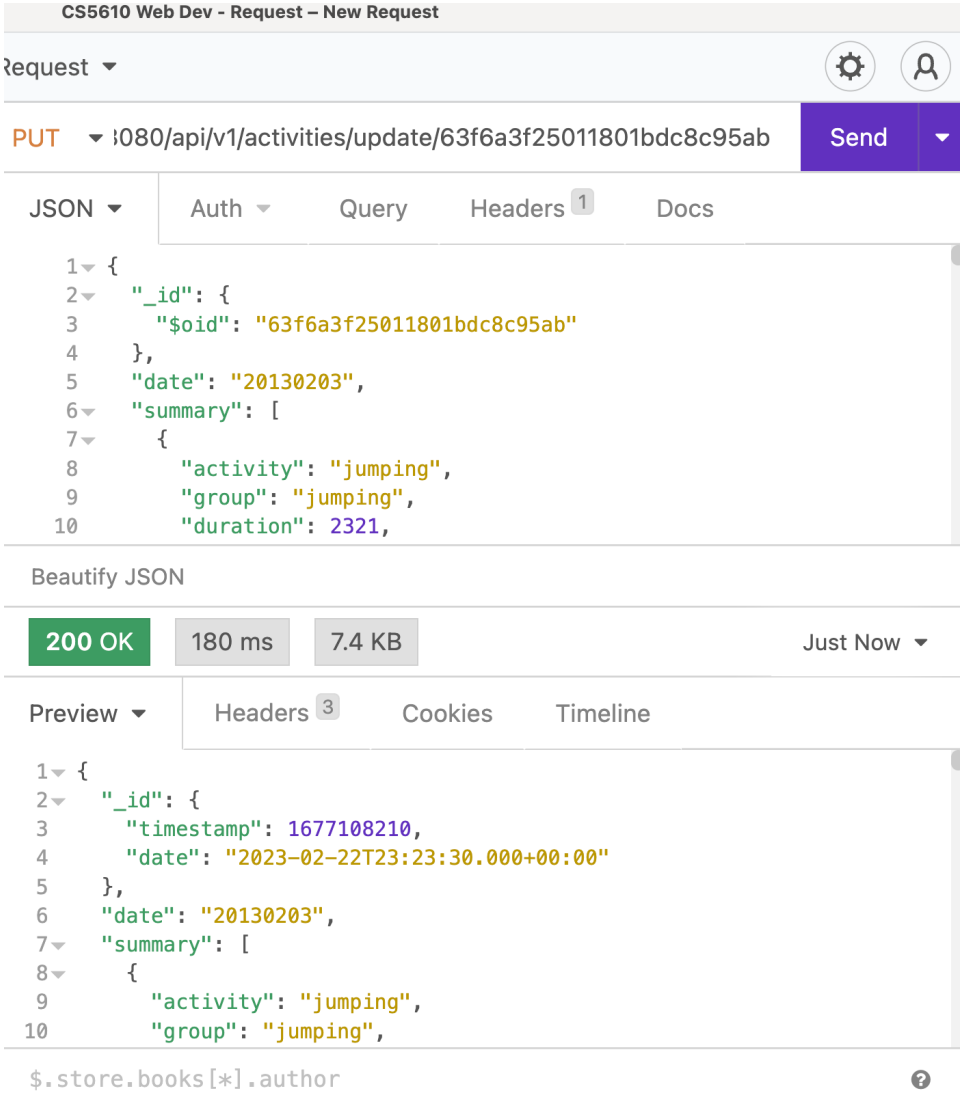
2. Users can get activity using ObjectId:



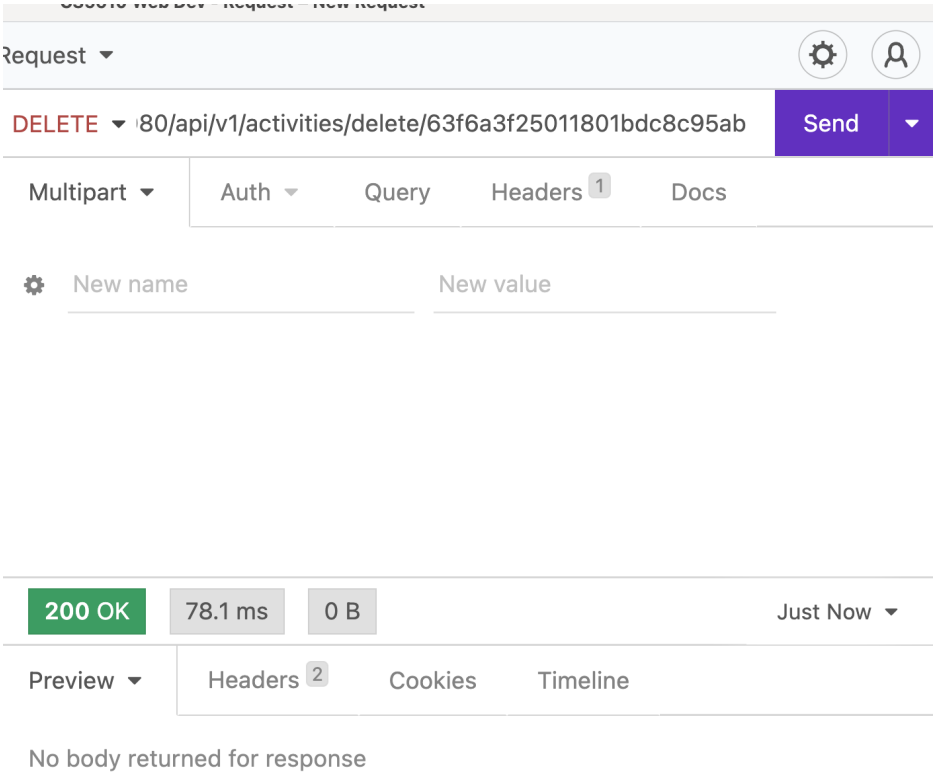
3. Users can get activity based on a specific date:



4. Users can update the activity record:



5. Users can delete activity record:

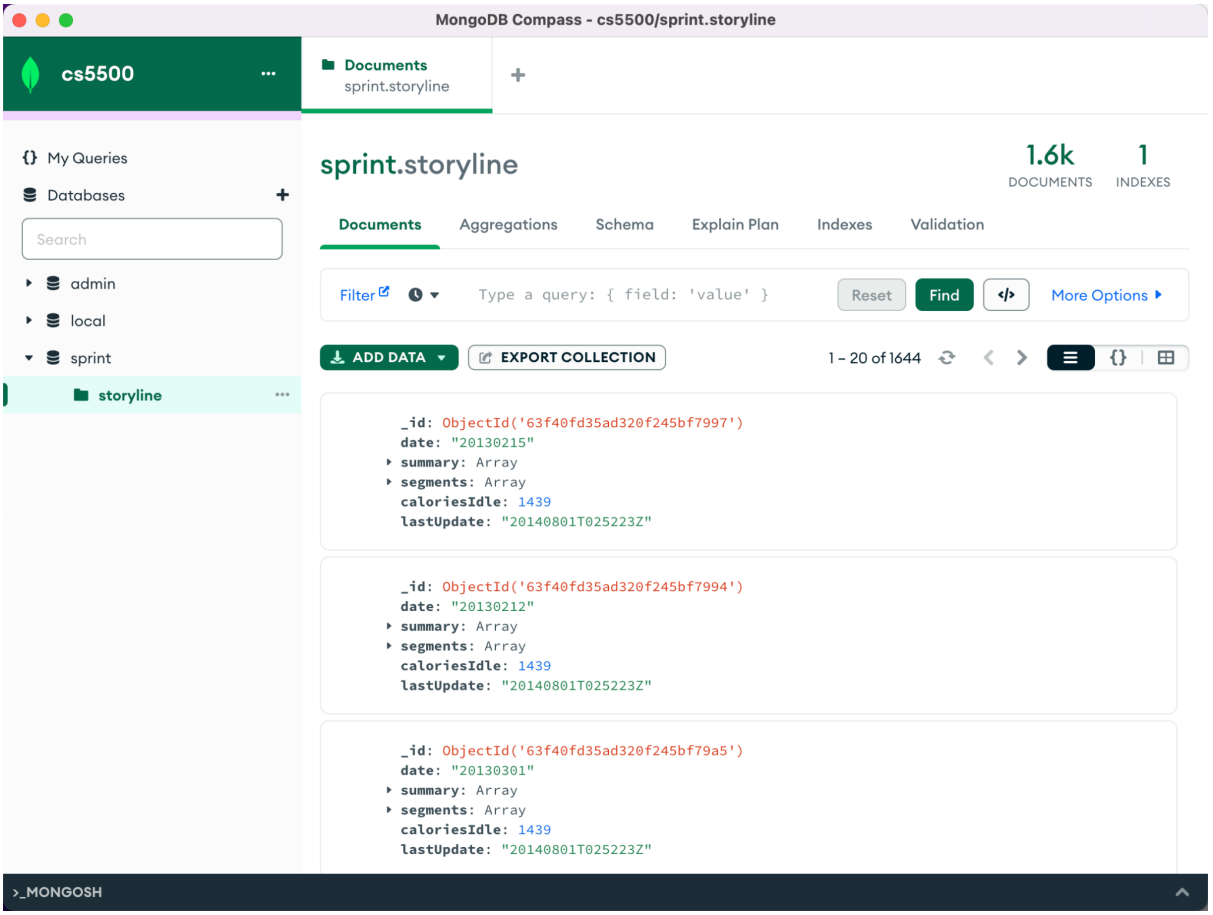


*** Any custom methods/functions that contain business logic to meet your user stories**

We are planning to create an advanced GET method that will enable us to retrieve daily activity data based on specific types such as walking.

```
27    // advanced gets
28  //  // check when did the user do a specific activity
29  //  public List<String> dateOfActivity(String activity) {
30  //    if (activity == null) {
31  //      System.out.println("Please input an activity");
32  //      return new ArrayList<>();
33  //    }
34  //    else {
35  //      // how to access the attributes within object
36  //      List<String> datesOfActivity =
37  //          allActivities().stream().filter(a -> a.getSummary().stream())
38  //    }
39  //  }
40
41  //  private boolean checkActivity(Activity av, String avChosen) {
42  //    List<Object> acList = av.getSummary().stream().collect(Collectors.toList());
43  //    Integer len = acList.size();
44  //    for (int i = 0; i < len; ++i) {
45  //      if (acList.get(i) == avChosen) {
46  //        return true;
47  //      }
48  //    }
49  //    return false;
50  //  }
51
52
53  //  private List<String> allDates =
54  //      allActivities().stream().map(Activity -> Activity.getDate()).collect(
55  //      Collectors.toList());
56  //  public List<String> getDates(String activity) {
57  //    if (activity == null) {
58  //      return allDates;
59  //    }
60  //    else {
61  //      return allDates.stream().filter(d -> allActivities().stream().filter(record -> record.getSummary().stream().anyMatch(a -> a.)))
62  //    }
63  //  }
```

*** Your application should successfully connect to your database**


MongoDB Compass - cs5500/sprint.storyline
cs5500
Documents
sprint.storyline
My Queries
Databases
Search
admin
local
sprint
storyline
sprint.storyline
1.6k
DOCUMENTS
1
INDEXES
Documents
Aggregations
Schema
Explain Plan
Indexes
Validation
Filter
Type a query: { field: 'value' }
Reset
Find
More Options
ADD DATA
EXPORT COLLECTION
1 - 20 of 1644
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date: "20130215"
summary: Array
segments: Array
caloriesIdle: 1439
lastUpdate: "20140801T025223Z"
_id: ObjectId('63f40fd35ad320f245bf7994')
date: "20130212"
summary: Array
segments: Array
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summary: Array
segments: Array
caloriesIdle: 1439
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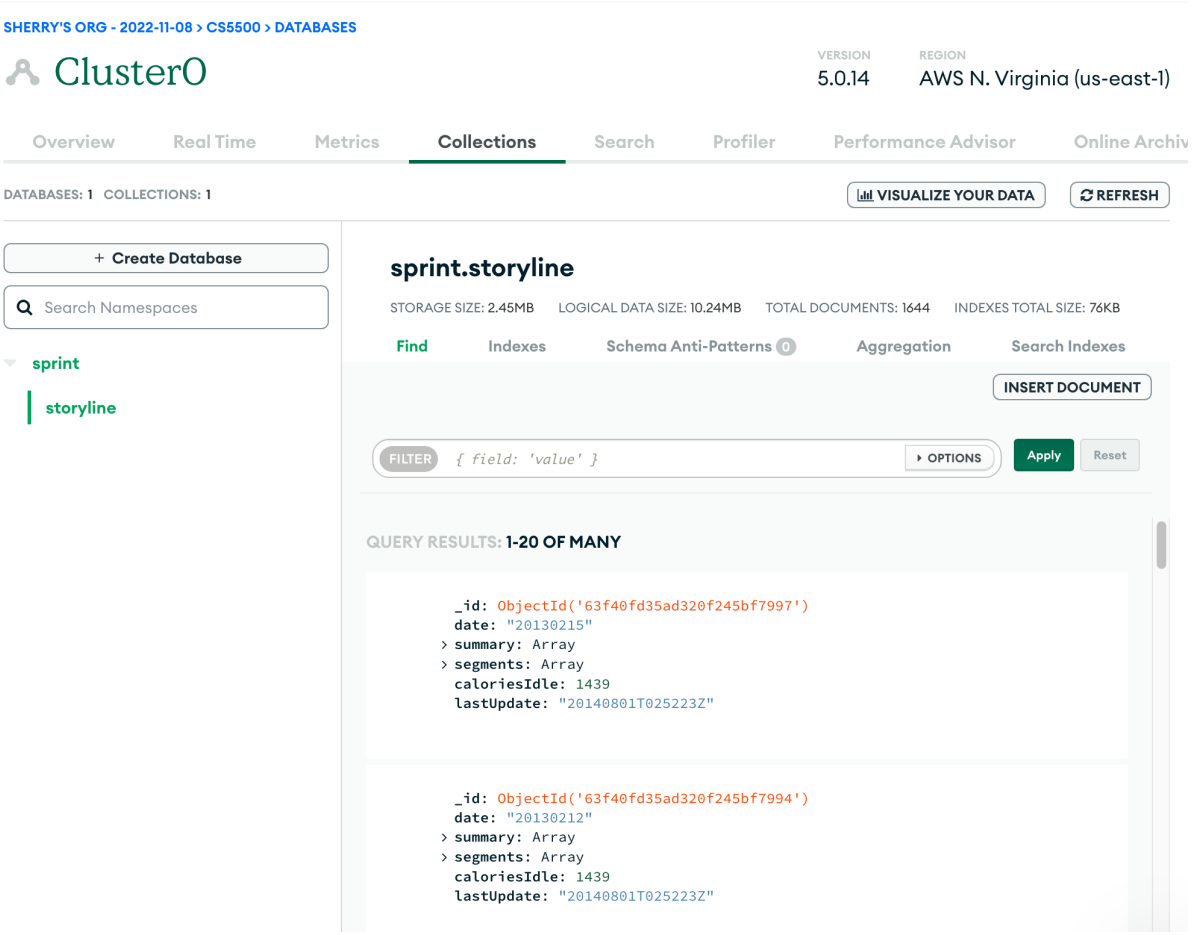
SHERRY'S ORG - 2022-11-08 > CS5500 > DATABASES
Cluster0
VERSION
5.0.14
REGION
AWS N. Virginia (us-east-1)
Overview
Real Time
Metrics
Collections
Search
Profiler
Performance Advisor
Online Archiv
DATABASES: 1 COLLECTIONS: 1
VISUALIZE YOUR DATA
REFRESH
+ Create Database
Search Namespaces
sprint
storyline
sprint.storyline
STORAGE SIZE: 2.45MB
LOGICAL DATA SIZE: 10.24MB
TOTAL DOCUMENTS: 1644
INDEXES TOTAL SIZE: 76KB
Find
Indexes
Schema Anti-Patterns 0
Aggregation
Search Indexes
INSERT DOCUMENT
FILTER
{ field: 'value' }
OPTIONS
Apply
Reset
QUERY RESULTS: 1-20 OF MANY
_id: ObjectId('63f40fd35ad320f245bf7997')
date: "20130215"
summary: Array
segments: Array
caloriesIdle: 1439
lastUpdate: "20140801T025223Z"
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