

Project 4 Task 2
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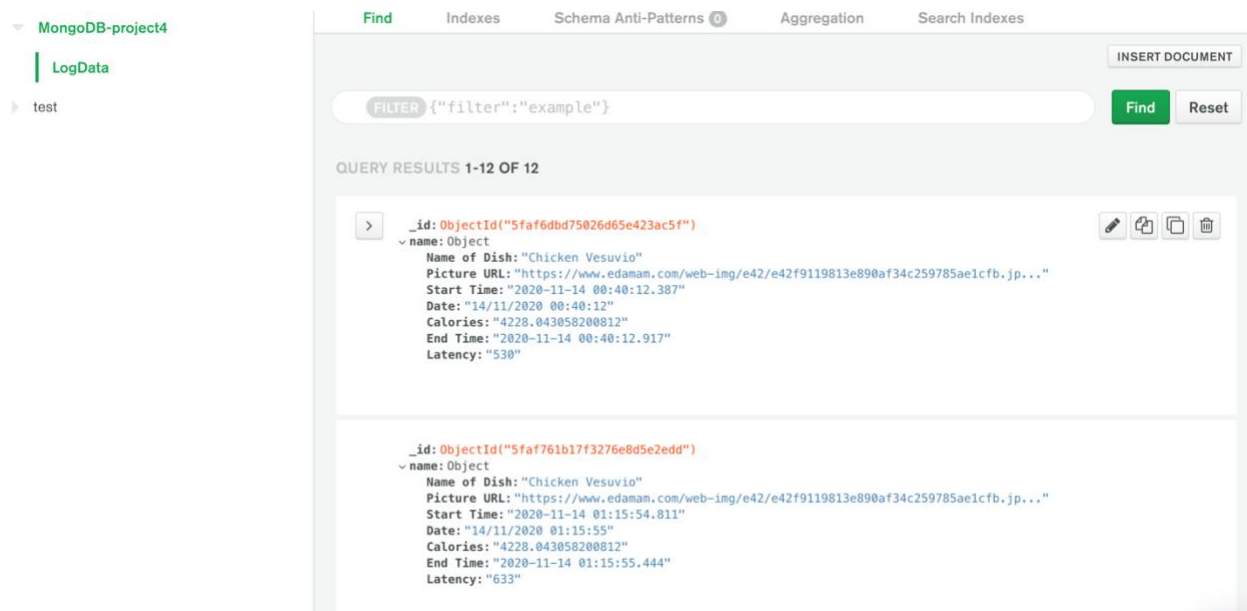
1. Log useful information

In this task I am logging information regarding:

- Date
- Start time of request
- End time of request (when response is received)
- Latency
- Name of dish that the user is searching for
- Calories
- Picture URL

2. Store the log information in a database

Storing useful information in Mongo DB Atlas:



Name of cluster: Cluster-Diksha
Database: MongoDB-project4
Collection: LogData

3. Display operations analytics and full logs on a web-based dashboard

a. A unique URL addresses a web interface dashboard for the web service.

Servlet URL: <http://localhost:8080/getDashboard>

Heroku URL: <https://cryptic-inlet-17544.herokuapp.com/getDashboard>

RECIPE SEARCH APP DASHBOARD AND ANALYTICS

Most popular recipe: Chicken Vesuvio

Chicken Vesuvio was searched 7 times!!

Average time taken to fetch result: 779 seconds

Date	Start Time	End Time	Latency	Name Of Dish	Calories	Picture URL
14/11/2020 00:40:12	2020-11-14 00:40:12.387	2020-11-14 00:40:12.917	530	Chicken Vesuvio	4228.043058200812	https://www.edamam.com/web-img/e42/e42f9119813e890af34c259785ae1cfb.jpg
14/11/2020 01:15:55	2020-11-14 01:15:54.811	2020-11-14 01:15:55.444	633	Chicken Vesuvio	4228.043058200812	https://www.edamam.com/web-img/e42/e42f9119813e890af34c259785ae1cfb.jpg
14/11/2020 01:20:07	2020-11-14 01:20:07.168	2020-11-14 01:20:07.691	523	Chicken Vesuvio	4228.043058200812	https://www.edamam.com/web-img/e42/e42f9119813e890af34c259785ae1cfb.jpg
14/11/2020 01:21:05	2020-11-14 01:21:05.249	2020-11-14 01:21:05.677	428	Baked Potato Snack	195.3594042222222	https://www.edamam.com/web-img/c03/c03870c0284bdb80902ce95f24187714.jpg
14/11/2020 12:27:55	2020-11-14 12:27:54.793	2020-11-14 12:27:55.489	696	Chicken Vesuvio	4228.043058200812	https://www.edamam.com/web-img/e42/e42f9119813e890af34c259785ae1cfb.jpg
14/11/2020 12:28:05	2020-11-14 12:28:03.876	2020-11-14 12:28:05.259	1383	French Fry Waffles Recipe	1055.1828325000001	https://www.edamam.com/web-img/7b1/7b1f24131c8e1bfb6d96098ab68afca.jpg
14/11/2020 12:28:15	2020-11-14 12:28:15.044	2020-11-14 12:28:15.409	365	Classic Taco Salad	1246.946	https://www.edamam.com/web-img/58d/58da408e1cf64175edc2363fde3b9ed.jpg
14/11/2020 12:48:08	2020-11-14 12:48:07.543	2020-11-14 12:48:08.32	777	Classic Taco Salad	1246.946	https://www.edamam.com/web-img/58d/58da408e1cf64175edc2363fde3b9ed.jpg
14/11/2020 12:48:17	2020-11-14 12:48:17.037	2020-11-14 12:48:17.291	254	Falafel With Black Olives and Harissa Recipe	164.20184428880526	https://www.edamam.com/web-img/5a2/5a2b4573a8bc853305fb63a843dd9a4d.jpg
14/11/2020 18:07:31	2020-11-14 18:07:31.049	2020-11-14 18:07:31.601	552	Caramel Cake	4209.834823223952	https://www.edamam.com/web-img/482/482417e9943411f0e7db4be74a7b5114.jpg
14/11/2020 18:10:34	2020-11-14 18:10:34.312	2020-11-14 18:10:34.729	417	Caramel Cake	4209.834823223952	https://www.edamam.com/web-img/482/482417e9943411f0e7db4be74a7b5114.jpg

b. The dashboard displays at least 3 interesting operations analytics.

Interesting operations analytics:

1. Most popular recipe
2. Number of times this recipe was searched for
3. Average time taken to search for recipes

c. The dashboard displays the full logs.

The dashboard displays all logs searched by users at any point in time

4. Deploy the web service to Heroku

Deployed the web service on Heroku:

1. The android app uses the link:
<https://cryptic-inlet-17544.herokuapp.com/getFoodAppServlet1?searchWord=searchTag> to receive Json response of recipe
2. To view the dashboard:
<https://cryptic-inlet-17544.herokuapp.com/getDashboard>

NOTE:

- This project build on Project 4 Task 1.
- It consists of the following classes:
 1. FoodAppSchema
 2. FoodAppServlet
 3. FoodSearchModel
 4. MongoDBData
 5. MongoDBModel
 6. MongoDBServlet
- The android app now uses the latest Heroku container: cryptic-inlet-17544.herokuapp.com to make the request
- The code for UI is written in view.jsp