Scenario 1

TASK 1

A new database was created and the JSON file with all the restaurants.

TASK 2

Here, the group function in aggregation was used to all the restaurants corresponding to the postcodes they are located in. The result was then saved in a view.

{

\_id: "$postcode",

fieldN: {$addToSet: '$RestaurantName' }

}Graphical user interface, text, application

Description automatically generated

TASK 3

For this task a CSV file was made for the data and was uploaded to the Jupiter notebook. This task can be viewed using the corresponding Jupiter notebook.

TASK 4

For this task restaurants with ratings 2 or less were filtered out. This filtered out data was exported to a separate JSON file. This JSON file was then imported in a new collection.

TASK 5

Graphical user interface, text, application, email

Description automatically generated

TASK 6

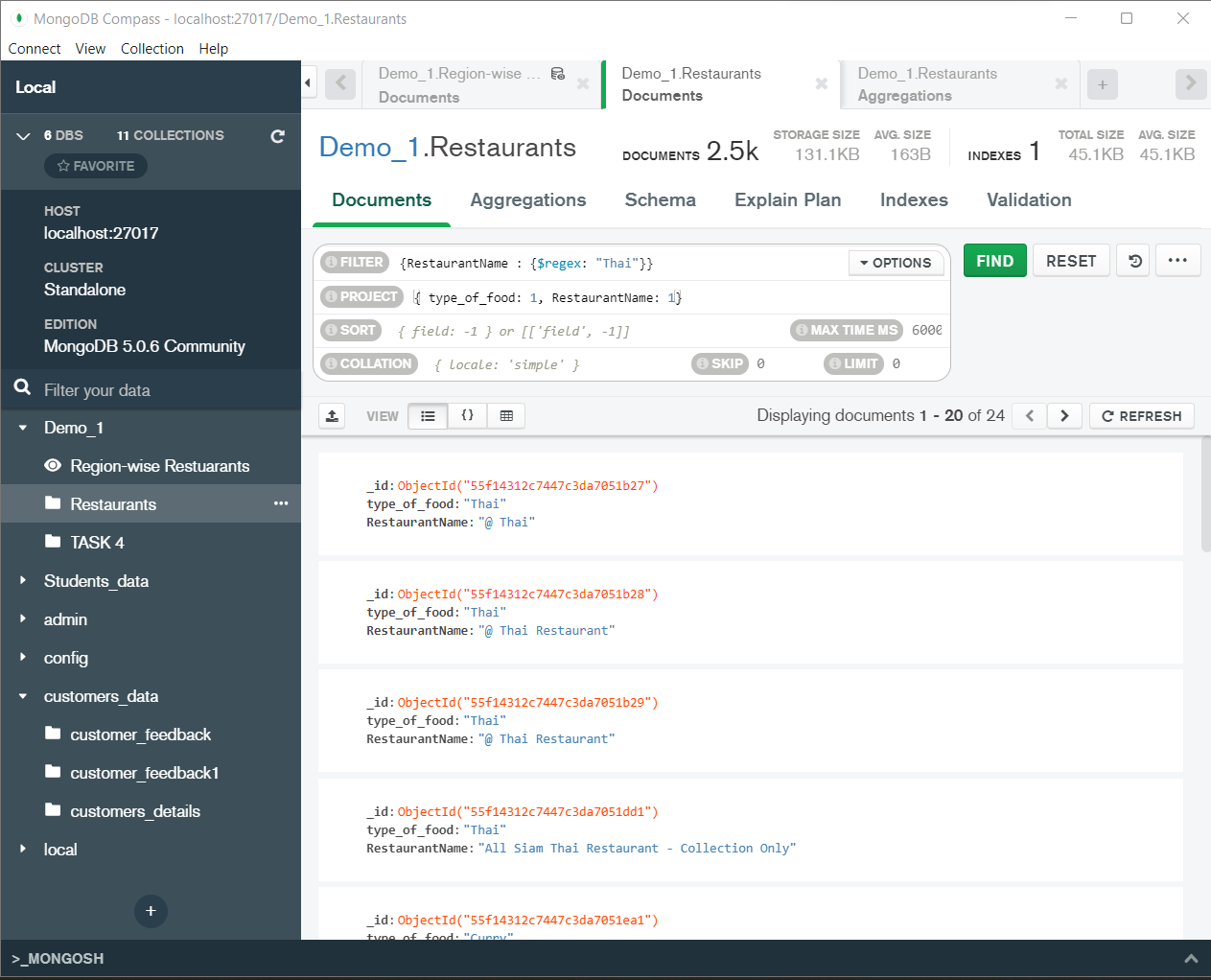
The average rating for the restaurants was found as below. The list of restaurants having low rating was found in task 4.

Graphical user interface, text, application

Description automatically generated

TASK 7

The names of restaurants with type of food or country in it were recovered as follows.

Graphical user interface, text, application, email

Description automatically generatedGraphical user interface, text, application, email

Description automatically generatedGraphical user interface, text, application, email

Description automatically generatedGraphical user interface, text, application

Description automatically generatedGraphical user interface, text, application, email

Description automatically generatedGraphical user interface, text, application, email

Description automatically generated

Scenario 2

TASK 1

A collection named BookData was created and the JSON file containing details of books was imported in it.

TASK 2

The required fields were displayed as shown below.

Graphical user interface, text, application, email

Description automatically generated

TASK 3

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

TASK 4

Graphical user interface

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application

Description automatically generated

TASK 5

Graphical user interface

Description automatically generated

TASK 6

This task is same as task 4.

TASK 7Graphical user interface, application

Description automatically generatedGraphical user interface, text, application, email

Description automatically generated

TASK 8Graphical user interface, text, application

Description automatically generated

TASK 9Graphical user interface

Description automatically generated

TASK 10Graphical user interface, application

Description automatically generated

TASK 11

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated