

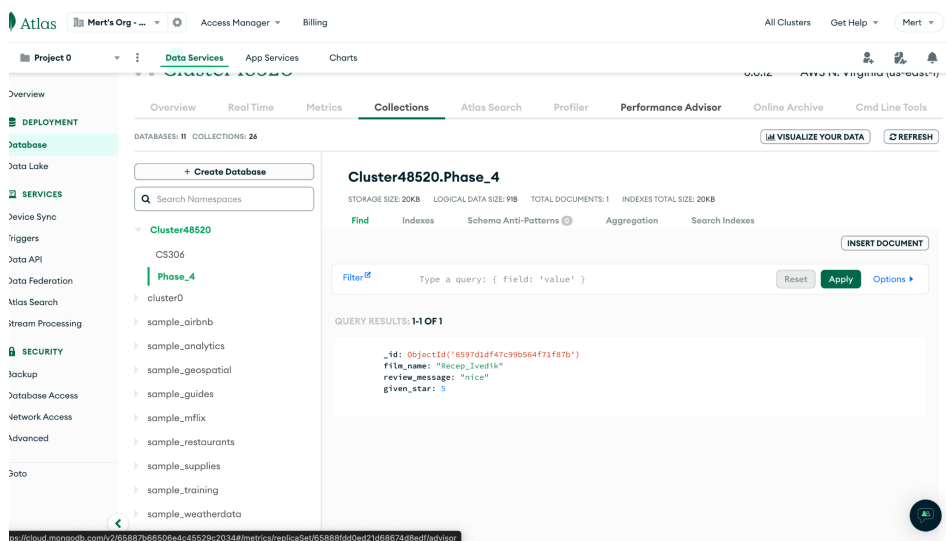
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NoSQL Review Portal

In this project we have created a review portal films that holds id, film_name, review_message and given_star attributes in mongodb as JSON format. There are 7 options. We will explain each selection one by one. First option creates a collection that we can store data for each section. For example we have collections as Phase_4 and new_collection which stores data in different sections. We will insert, read, filter, delete or update operations onto these collections. In the second option, we can read all the data from the collection and gather it in JSON format. In the third option, we will read the data part with filtering. For example, we have filtered the attribute of film_name which is equal to Recep İvedik. By this filtering we have gathered data in JSON format. For the 4th option, we are inserting data with all the attributes in the database. For 5th option, we are deleting the data with film_name attribute. Option 6 updates the data of given file_name as input. Lastly, if 7 is given as input, program stops working and exiting the Portal system.

Creation of a collection

```
Welcome to Review Portal!
1- Create a collection.
2- Read all data in a collection.
3- Read some part of the data while filtering.
4- Insert data.
5- Delete data.
6- Update data.
7- Quit
Select an option: 1
Enter the collection name: Phase_4
Collection 'Phase_4' created successfully!
```



Inserting data to the collection

```
Welcome to Review Portal!
1- Create a collection.
2- Read all data in a collection.
3- Read some part of the data while filtering.
4- Insert data.
5- Delete data.
6- Update data.
7- Quit
Select an option: 4
Enter the collection name: Phase_4
Enter the name: Recep_Ivedik
Enter the review message: nice
Enter the star rating: 5
Insertion successfully completed
```

```
Welcome to Review Portal!
1- Create a collection.
2- Read all data in a collection.
3- Read some part of the data while filtering.
4- Insert data.
5- Delete data.
6- Update data.
7- Quit
Select an option: 3
Enter the collection name: Phase_4
Enter the attribute to filter: film_name
Enter the value for 'film_name' to filter: Recep_Ivedik
Filtered Data:
{'_id': ObjectId('6597d1df47c99b564f71f87b'), 'film_name': 'Recep_Ivedik', 'review_message': '
nice', 'given_star': 5}
```

Updating the data and then reading all the data in the collection

```
Welcome to Review Portal!
1- Create a collection.
2- Read all data in a collection.
3- Read some part of the data while filtering.
4- Insert data.
5- Delete data.
6- Update data.
7- Quit
Select an option: 6
Enter the collection name: Phase_4
Enter the film name to update: Recep_Ivedik
Enter 'review_message' or 'given_star' to update: review_message
Enter updated review_message for the film: very very nice
Film review_message updated successfully!

Welcome to Review Portal!
1- Create a collection.
2- Read all data in a collection.
3- Read some part of the data while filtering.
4- Insert data.
5- Delete data.
6- Update data.
7- Quit
Select an option: 2
Enter the collection name: Phase_4
{'_id': ObjectId('6597d1df47c99b564f71f87b'), 'film_name': 'Recep_Ivedik', 'review_message': '
very very nice', 'given_star': 5}
```


From mongo atlas:

Cluster48520.Phase_4

STORAGE SIZE: 24KB LOGICAL DATA SIZE: 101B TOTAL DOCUMENTS: 1 INDEXES TOTAL SIZE: 24KB

[Find](#) [Indexes](#) [Schema Anti-Patterns 0](#) [Aggregation](#) [Search Indexes](#)

[INSERT DOCUMENT](#)

[Filter](#)  Type a query: { field: 'value' } [Reset](#) [Apply](#) [Options ▶](#)

QUERY RESULTS: 1-1 OF 1

```
_id: ObjectId('6597d89b9d232a6e247d1840')
film_name: "Recep_Ivedik"
review_message: "very very nice"
given_star: 5
```

Serial execution of insertion then deletion and then reading all the file stored in collection

```
Welcome to Review Portal!
1- Create a collection.
2- Read all data in a collection.
3- Read some part of the data while filtering.
4- Insert data.
5- Delete data.
6- Update data.
7- Quit
Select an option: 4
Enter the collection name: Phase_4
Enter the name: Recep_Ivedik
Enter the review message: nice
Enter the star rating: 5
Insertion successfully completed

Welcome to Review Portal!
1- Create a collection.
2- Read all data in a collection.
3- Read some part of the data while filtering.
4- Insert data.
5- Delete data.
6- Update data.
7- Quit
Select an option: 5
Enter the collection name: Phase_4
Enter the film name to delete: Recep_Ivedik
document(s) deleted successfully!

Welcome to Review Portal!
1- Create a collection.
2- Read all data in a collection.
3- Read some part of the data while filtering.
4- Insert data.
5- Delete data.
6- Update data.
7- Quit
Select an option: 2
Enter the collection name: Phase_4
```

Cluster48520.Phase_4

STORAGE SIZE: 36KB LOGICAL DATA SIZE: 0B TOTAL DOCUMENTS: 0 INDEXES TOTAL SIZE: 24KB

Find

Indexes

Schema Anti-Patterns 0

Aggregation

Search Indexes

INSERT D

Filter 

Type a query: { field: 'value' }

Reset

Apply

Op

QUERY RESULTS: 0

Creating New collection as new_collection and insert data as new_film

```
Welcome to Review Portal!
1- Create a collection.
2- Read all data in a collection.
3- Read some part of the data while filtering.
4- Insert data.
5- Delete data.
6- Update data.
7- Quit
Select an option: 1
Enter the collection name: new_collection
Collection 'new_collection' created successfully!
```

```
Welcome to Review Portal!
1- Create a collection.
2- Read all data in a collection.
3- Read some part of the data while filtering.
4- Insert data.
5- Delete data.
6- Update data.
7- Quit
Select an option: 1
Enter the collection name: new_collection
Collection 'new_collection' created successfully!
```

Cluster48520.new_collection

STORAGE SIZE: 20KB LOGICAL DATA SIZE: 87B TOTAL DOCUMENTS: 1 INDEXES TOTAL SIZE: 20KB

Find

Indexes

Schema Anti-Patterns 0

Aggregation

Search Indexes

INSERT DOCUMENT

Filter

Type a query: { field: 'value' }

Reset

Apply

Options ▶

QUERY RESULTS: 1-1 OF 1

```
_id: ObjectId('659822e7e3d22becddd35d3a')
film_name: "new_film"
review_message: "nice"
given_star: 4
```

Updating data of new film about review_message and given_star

```
Welcome to Review Portal!
1- Create a collection.
2- Read all data in a collection.
3- Read some part of the data while filtering.
4- Insert data.
5- Delete data.
6- Update data.
7- Quit
Select an option: 6
Enter the collection name: new_collection
Enter the film name to update: new_film
Enter 'review_message' or 'given_star' to update: review_message
Enter updated review_message for the film: so nice
Film review_message updated successfully!
```

Cluster48520.new_collection

STORAGE SIZE: 20KB LOGICAL DATA SIZE: 90B TOTAL DOCUMENTS: 1 INDEXES TOTAL SIZE: 20KB

Find

Indexes

Schema Anti-Patterns ⓘ

Aggregation

Search Indexes

INSERT DOCUMENT

Filter

Type a query: { field: 'value' }

Reset

Apply

Options ▶

QUERY RESULTS: 1-1 OF 1

```
_id: ObjectId('659822e7e3d22becddd35d3a')
film_name: "new_film"
review_message: "so nice"
given_star: 4
```

Filtering the data of new_film with film_name attribute

```
Welcome to Review Portal!
1- Create a collection.
2- Read all data in a collection.
3- Read some part of the data while filtering.
4- Insert data.
5- Delete data.
6- Update data.
7- Quit
Select an option: 3
Enter the collection name: new_collection
Enter the attribute to filter: film_name
Enter the value for 'film_name' to filter: new_film
Filtered Data:
{'_id': ObjectId('659822e7e3d22becddd35d3a'), 'film_name': 'new_film', 'review_message': 'nice', 'given_star': 4}
```

Retrieving all the data from given collection

```
Welcome to Review Portal!
1- Create a collection.
2- Read all data in a collection.
3- Read some part of the data while filtering.
4- Insert data.
5- Delete data.
6- Update data.
7- Quit
Select an option: 2
Enter the collection name: new_collection
{'_id': ObjectId('659822e7e3d22becddd35d3a'), 'film_name': 'new_film', 'review_message': 'nice', 'given_star': 4}
```

Deleting the data given as new_film

Welcome to Review Portal!

- 1- Create a collection.
- 2- Read all data in a collection.
- 3- Read some part of the data while filtering.
- 4- Insert data.
- 5- Delete data.
- 6- Update data.
- 7- Quit

Select an option: 5

Enter the collection name: new_collection

Enter the film name to delete: new_film

document(s) deleted successfully!

Cluster48520.new_collection

STORAGE SIZE: 36KB LOGICAL DATA SIZE: 0B TOTAL DOCUMENTS: 0 INDEXES TOTAL SIZE: 20KB

Find

Indexes

Schema Anti-Patterns 0

Aggregation

Search Indexes

INSERT DOCUMENT

Filter 

Type a query: { field: 'value' }

Reset

Apply

Options ▶

QUERY RESULTS: 0