

CheckPoints MongoDB

samedi 6 février 2021 15:02

In this checkpoint, the main idea is to manipulate mongodb CRUD operations

- Create a database called "contact"
- Create a collection called "contactlist"
- Insert these documents in "contactlist":
 - Last name: Ben Lahmer, First name: Fares, Email: fares@gmail.com, age:26
 - Last name: Kefi, First name: Seif, Email: kefi@gmail.com, age:15
 - Last name: Fatnassi, First name: Sarra, Email: sarra.f@gmail.com, age:40
 - Last name: Ben Yahia, First name: Rym, age:4
 - Last name: Cherif, First name: Sami, age:3
- Display all the contact list
 - Display all the information about only one person using his id

localhost:27017 STANDALONE MongoDB 4.0.9 Community

contact.contactlist

DOCUMENTS 5 TOTAL SIZE 460B AVG. SIZE 92B INDEXES 1 TOTAL SIZE 36.0KB AVG. SIZE 36.0KB

Documents Aggregations Schema Explain Plan Indexes Validation

FILTER `{_id:ObjectId("601eae2cdc9fb30a46a44d3")}` **OPTIONS** **FIND** **RESET** **...**

PROJECT

SORT

COLLATION **SKIP** 0 **LIMIT** 0

INSERT DOCUMENT **VIEW** **LIST** **TABLE** Displaying documents 1 - 1 of 1

```
1 _id: ObjectId("601eae2cdc9fb30a46a44d3")
2 lastName: "Ben Lahmer"
3 firstName: "fares@gmail.com"
4 email: "Fares"
5 age: "26"
```

CANCEL UPDATE

- Display all the contact list having age>18

contact.contactlist

DOCUMENTS 5 TOTAL SIZE 460B AVG. SIZE 92B INDEXES 1 TOTAL SIZE 36.0KB AVG. SIZE 36.0KB

Documents Aggregations Schema Explain Plan Indexes Validation

FILTER `{age: {$gt:18}}` **OPTIONS** **FIND** **RESET** **...**

PROJECT

SORT

COLLATION **SKIP** 0 **LIMIT** 0

INSERT DOCUMENT **VIEW** **LIST** **TABLE** Displaying documents 1 - 2 of 2

```
_id: ObjectId("601eae2cdc9fb30a46a44d3")
lastName: "Ben Lahmer"
firstName: "fares@gmail.com"
email: "Fares"
age: 26

_id: ObjectId("601eb0324b91f230a4f0fdc4")
lastName: "Fatnassi"
firstName: "Sarra"
email: "sarra.f@gmail.com"
age: 40
```

- Display all the contact list having age>18 and name containing "ah"

FILTER {age: {\$gt:18}, lastName:/ah/} **OPTIONS** **FIND** **RESET** ...

PROJECT

SORT

COLLATION

SKIP 0 **LIMIT** 0

INSERT DOCUMENT **VIEW** **LIST** **TABLE**

Displaying documents 1 - 1 of 1

```
{
  "_id": "601eae2cdcc9fb30a46a44d3",
  "lastName": "Ben Lahmer",
  "firstName": "fares@gmail.com",
  "email": "Fares",
  "age": 26
}
```

- Change the contact first name of "kefi Seif" by "Kefi Anis"

FILTER **OPTIONS** **FIND** **RESET** ...

PROJECT

SORT

COLLATION

SKIP 0 **LIMIT** 0

INSERT DOCUMENT **VIEW** **LIST** **TABLE**

Displaying documents 1 - 5 of 5

```
{
  "_id": "601eae2cdcc9fb30a46a44d3",
  "lastName": "Ben Lahmer",
  "firstName": "fares@gmail.com",
  "email": "Fares",
  "age": 26
},
{
  "_id": "601eaf77dcc9fb30a46a44d5",
  "lastName": "Kefi",
  "firstName": "Anis",
  "email": "kefi@gmail.com",
  "age": 15
},
{
  "_id": "601eb0324b91f230a4f0fdc4",
  "lastName": "Fatnassi",
  "firstName": "Sarra",
  "email": "sarra.f@gmail.com",
  "age": 40
},
{
  "_id": "601eb05d4b91f230a4f0fdc5",
  "lastName": "Ben Yahia",
  "firstName": "Rym",
  "age": 4
}
```

- Delete the the contact list having age < 5

FILTER {age: {\$lt:15}} **OPTIONS** **FIND** **RESET** ...

PROJECT

SORT

COLLATION

SKIP 0 **LIMIT** 0

INSERT DOCUMENT **VIEW** **LIST** **TABLE**

Displaying documents 1 - 2 of 2

```
{
  "_id": "601eb05d4b91f230a4f0fdc5",
  "lastName": "Ben Yahia",
  "firstName": "Rym",
  "age": 4
},
{
  "_id": "601eb0854b91f230a4f0fdc6",
  "lastName": "Cherif",
  "firstName": "Sami",
  "age": 3
}
```

- Display all the contact list

