Web Tech Lab 10

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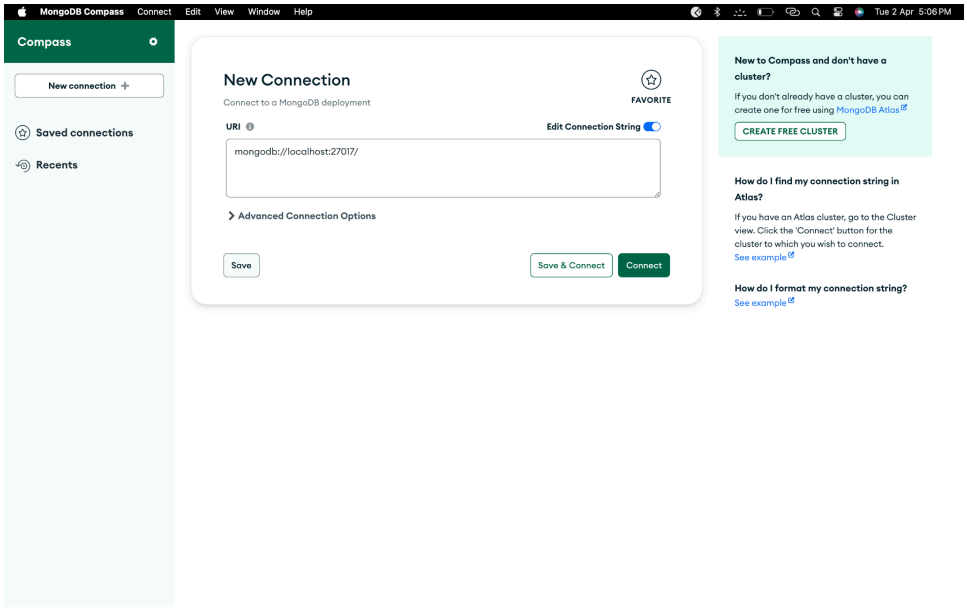
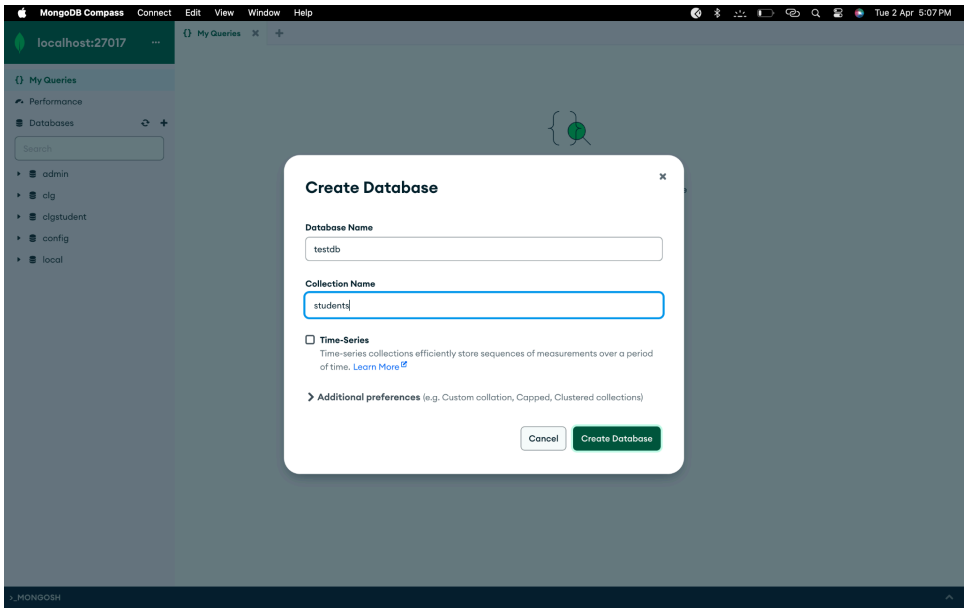
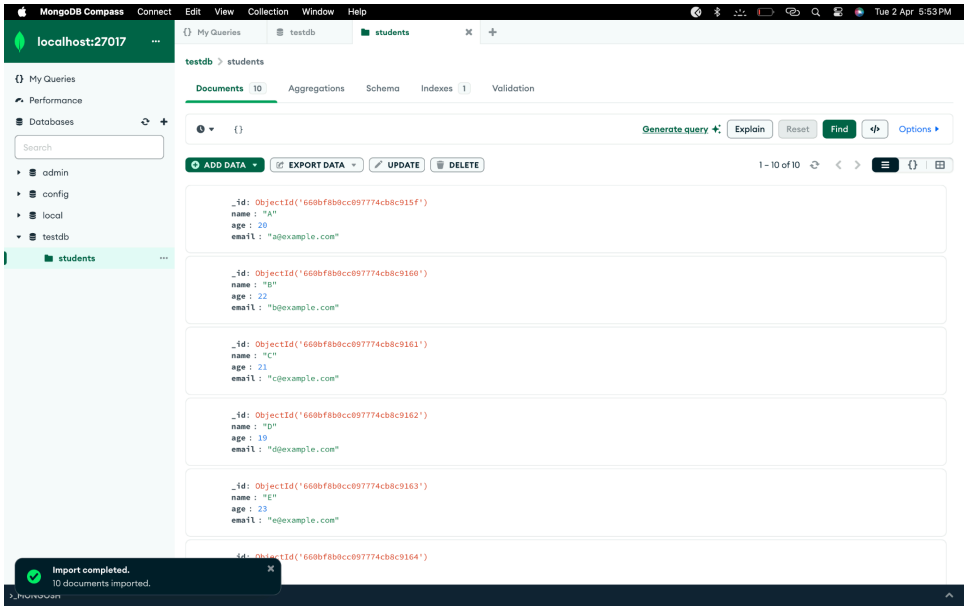
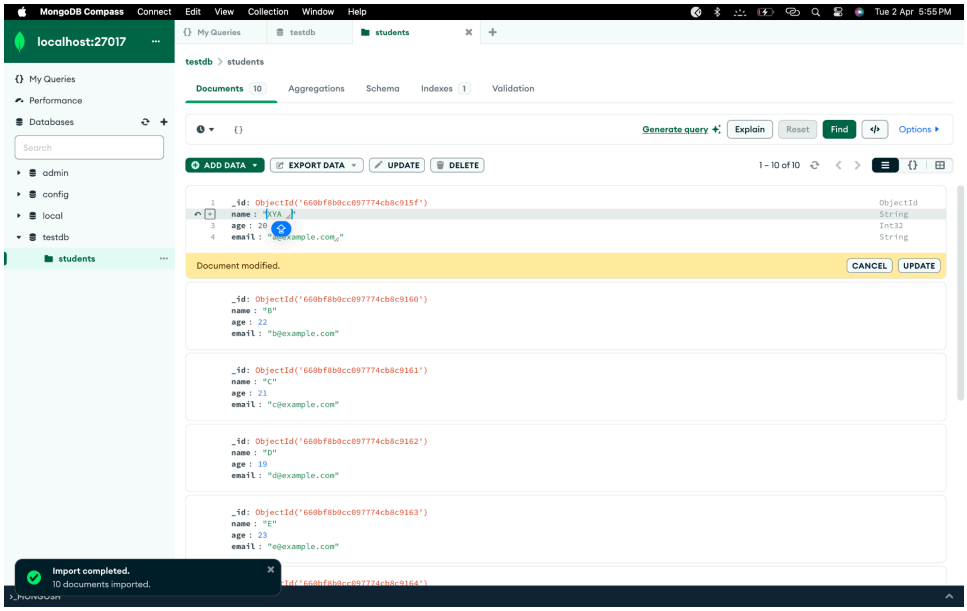
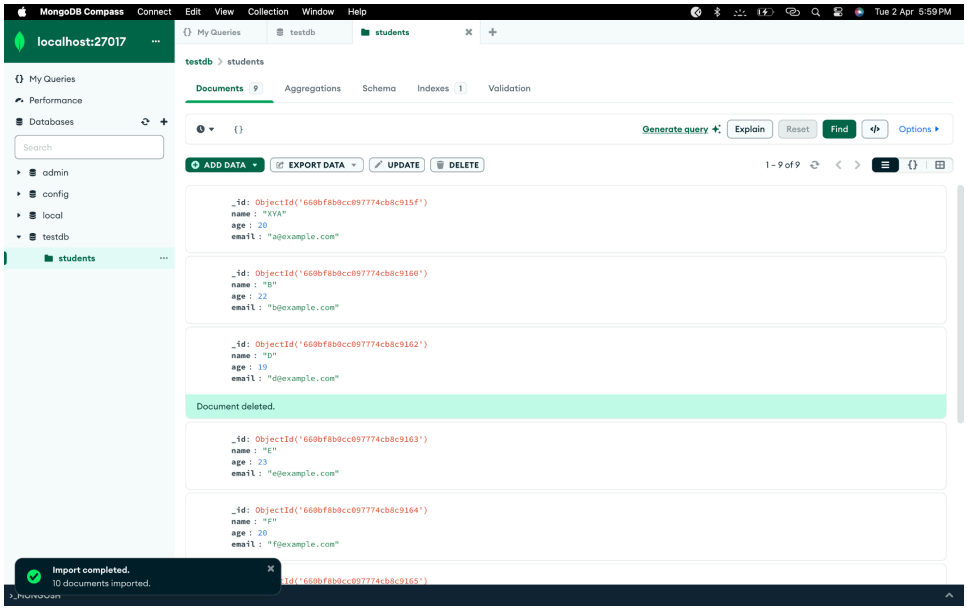
22CS3054



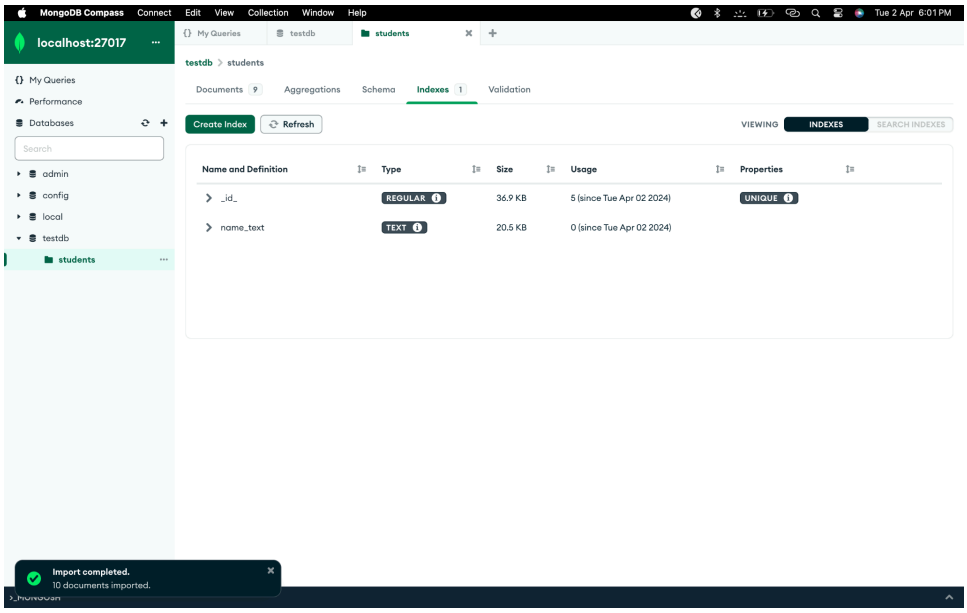


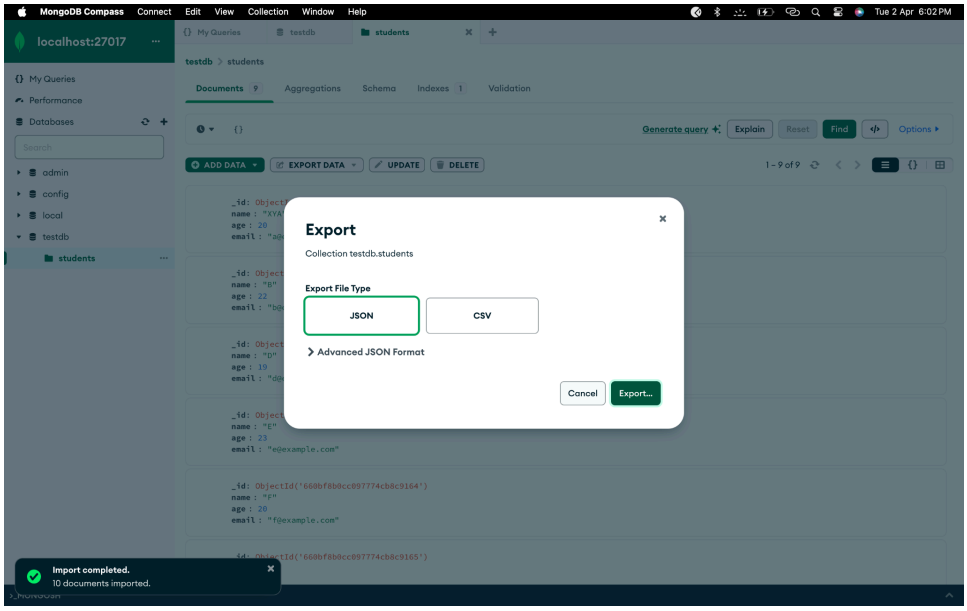

MongoDB Compass Connect Edit View Collection Window Help
Tue 2 Apr 5:53 PM
localhost:27017
My Queries
Performance
Databases
Search
admin
config
local
testdb
students
My Queries
testdb
students
testdb > students
Documents 10
Aggregations
Schema
Indexes 1
Validation
Generate query
Explain
Reset
Find
Options
ADD DATA
EXPORT DATA
UPDATE
DELETE
1 - 10 of 10
_id: ObjectId('660bf8b0cc097774cb8c915f')
name : "A"
age : 20
email : "a@example.com"
_id: ObjectId('660bf8b0cc097774cb8c9160')
name : "B"
age : 22
email : "b@example.com"
_id: ObjectId('660bf8b0cc097774cb8c9161')
name : "C"
age : 21
email : "c@example.com"
_id: ObjectId('660bf8b0cc097774cb8c9162')
name : "D"
age : 19
email : "d@example.com"
_id: ObjectId('660bf8b0cc097774cb8c9163')
name : "E"
age : 23
email : "e@example.com"
Import completed.
10 documents imported.

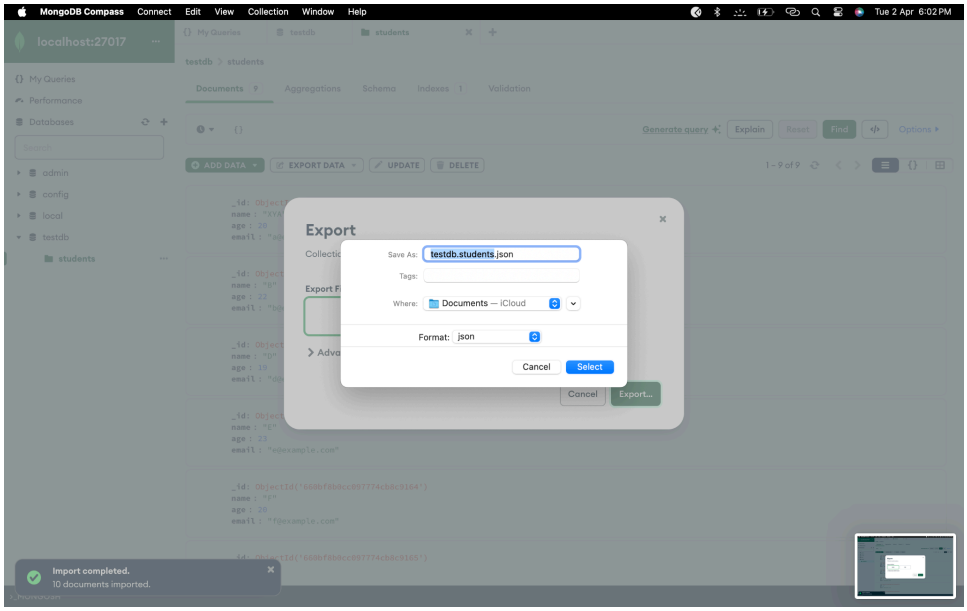

MongoDB Compass Connect Edit View Collection Window Help
Tue 2 Apr 5:55 PM
localhost:27017
testdb > students
Documents 10
Aggregations
Schema
Indexes 1
Validation
Generate query
Explain
Reset
Find
Options
ADD DATA
EXPORT DATA
UPDATE
DELETE
1 - 10 of 10
_id: ObjectId('660bf8b0cc097774cb8c915f')
name : "XYA "
age : 20
email : "a@example.com"
ObjectId
String
Int32
String
Document modified.
CANCEL
UPDATE
_id: ObjectId('660bf8b0cc097774cb8c9160')
name : "B"
age : 22
email : "b@example.com"
_id: ObjectId('660bf8b0cc097774cb8c9161')
name : "C"
age : 21
email : "c@example.com"
_id: ObjectId('660bf8b0cc097774cb8c9162')
name : "D"
age : 19
email : "d@example.com"
_id: ObjectId('660bf8b0cc097774cb8c9163')
name : "E"
age : 23
email : "e@example.com"
Import completed.
10 documents imported.

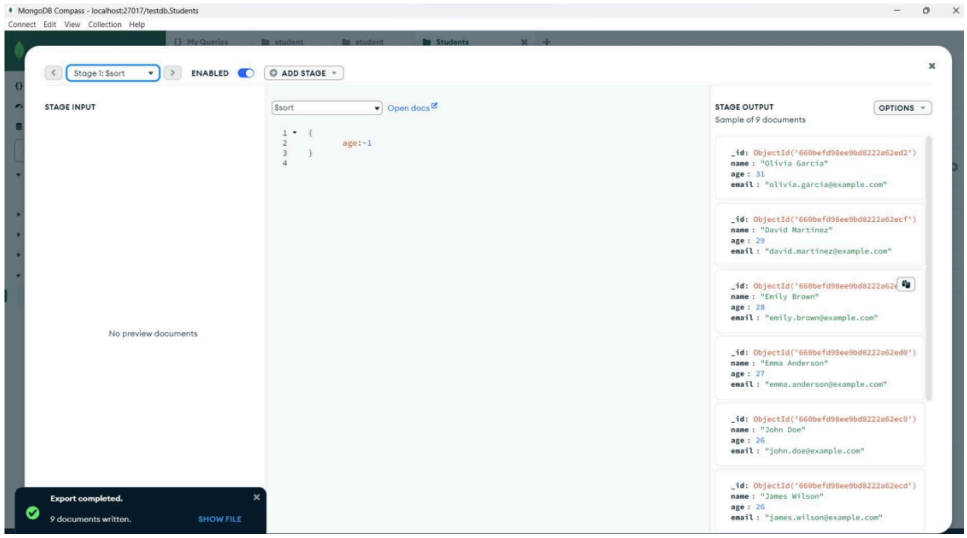

MongoDB Compass Connect Edit View Collection Window Help
Tue 2 Apr 5:59 PM
localhost:27017
My Queries
Performance
Databases
admin
config
local
testdb
students
testdb > students
Documents 9
Aggregations
Schema
Indexes 1
Validation
Generate query
Explain
Reset
Find
Options
ADD DATA
EXPORT DATA
UPDATE
DELETE
1 - 9 of 9
_id: ObjectId('668bf8b0cc097774cb8c915f')
name : "XYA"
age : 20
email : "a@example.com"
_id: ObjectId('668bf8b0cc097774cb8c9160')
name : "B"
age : 22
email : "b@example.com"
_id: ObjectId('668bf8b0cc097774cb8c9162')
name : "D"
age : 19
email : "d@example.com"
Document deleted.
_id: ObjectId('668bf8b0cc097774cb8c9163')
name : "E"
age : 23
email : "e@example.com"
_id: ObjectId('668bf8b0cc097774cb8c9164')
name : "F"
age : 20
email : "f@example.com"
Import completed.
10 documents imported.

Stage 1
$group
{
_id: null,
averageAge: { $avg: "$age" }
}
Output after $group stage (Sample of 1 document)
_id: null
averageAge : 26.22222222222222


MongoDB Compass Connect Edit View Collection Window Help
Tue 2 Apr 6:01 PM
localhost:27017
My Queries
Performance
Databases
admin
config
local
testdb
students
testdb > students
Documents 9
Aggregations
Schema
Indexes 1
Validation
Create Index
Refresh
VIEWING
INDEXES
SEARCH INDEXES
Name and Definition
Type
Size
Usage
Properties
_id_
REGULAR
36.9 KB
5 (since Tue Apr 02 2024)
UNIQUE
name_text
TEXT
20.5 KB
0 (since Tue Apr 02 2024)
Import completed.
10 documents imported.


MongoDB Compass Connect Edit View Collection Window Help
Tue 2 Apr 6:02 PM
localhost:27017
My Queries
Performance
Databases
admin
config
local
testdb
students
testdb > students
Documents 9
Aggregations
Schema
Indexes 1
Validation
Generate query
Explain
Reset
Find
Options
ADD DATA
EXPORT DATA
UPDATE
DELETE
1 - 9 of 9
Export
Collection testdb.students
Export File Type
JSON
CSV
Advanced JSON Format
Cancel
Export...
Import completed.
10 documents imported.


MongoDB Compass Connect Edit View Collection Window Help
Tue 2 Apr 6:02 PM
localhost:27017
Export
Save As: testdb.students.json
Tags:
Where: Documents — iCloud
Format: json
Cancel
Select
Import completed.
10 documents imported.

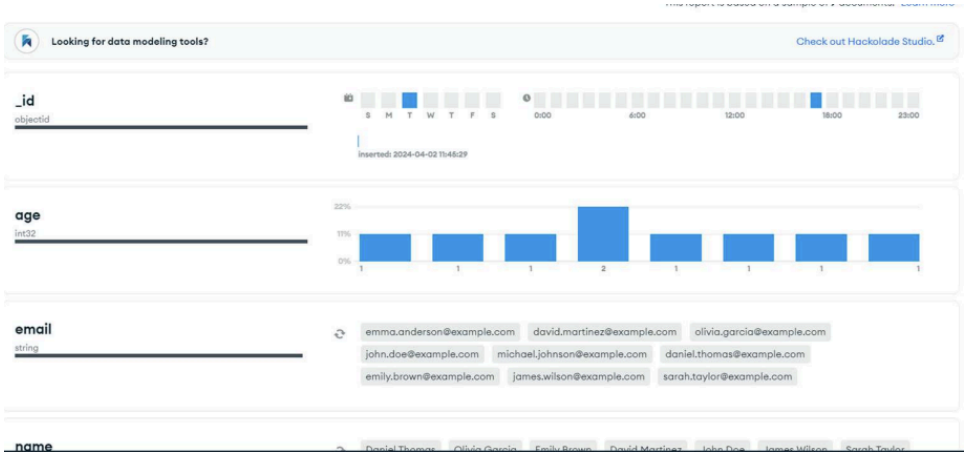

MongoDB Compass - localhost:27017/testdb.Students
Connect Edit View Collection Help
Stage 1: $sort
ENABLED
ADD STAGE
STAGE INPUT
$sort
Open docs
1 {
2 age:-1
3 }
4
No preview documents
STAGE OUTPUT
Sample of 9 documents
OPTIONS
_id: ObjectId('660befd98ee9bd8222a62ed2')
name : "Olivia Garcia"
age : 31
email : "olivia.garcia@example.com"
_id: ObjectId('660befd98ee9bd8222a62ecf')
name : "David Martinez"
age : 29
email : "david.martinez@example.com"
_id: ObjectId('660befd98ee9bd8222a624
name : "Emily Brown"
age : 28
email : "emily.brown@example.com"
_id: ObjectId('660befd98ee9bd8222a62ed0')
name : "Emma Anderson"
age : 27
email : "emma.anderson@example.com"
_id: ObjectId('660befd98ee9bd8222a62ec9')
name : "John Doe"
age : 26
email : "john.doe@example.com"
_id: ObjectId('660befd98ee9bd8222a62ecd')
name : "James Wilson"
age : 26
email : "james.wilson@example.com"
Export completed.
9 documents written.
SHOW FILE

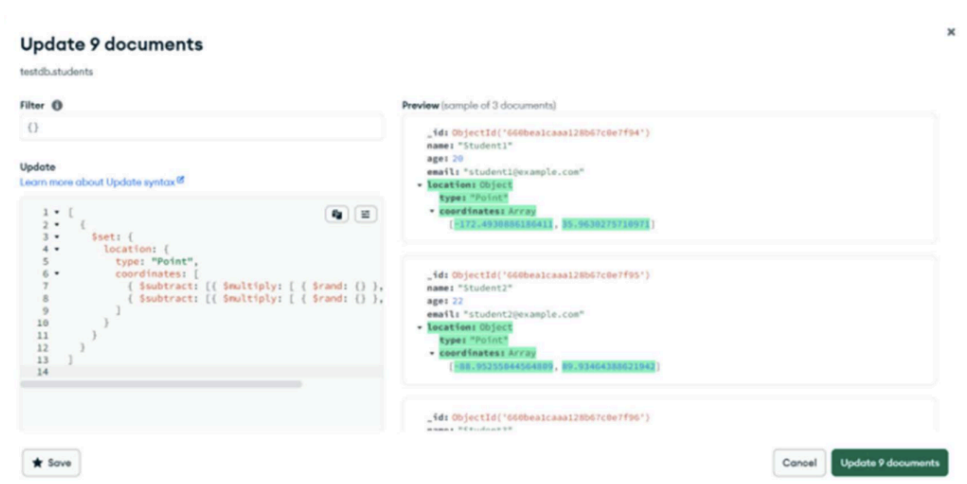
Validation Action
Error
Validation Level
Strict
1 {
2 $jsonSchema: {
3 bsonType: 'object',
4 required: [
5 'name'
6],
7 properties: {
8 name: {
9 bsonType: 'string',
10 minLength: 1
11 }
12 }
13 }
14 }

Sample documents
Passed validation
Failed validation
_id: ObjectId('660befd98ee9bd8222a62ed0')
name : "Emma Anderson"
age : 27
email : "emma.anderson@example.com"
No Preview Documents

Validation Action
Error
Validation Level
Strict
1 {
2 $jsonSchema: {
3 bsonType: 'object',
4 required: [
5 'name'
6],
7 properties: {
8 name: {
9 bsonType: 'string',
10 minLength: 1
11 }
12 }
13 }
14 }

Sample documents
Passed validation
Failed validation
Load document
Load document


Looking for data modeling tools?
Check out Hackolade Studio.
_id
objectId
S M T W T F S
0:00
6:00
12:00
18:00
23:00
inserted: 2024-04-02 11:46:29
age
int32
22%
11%
0%
1 1 1 2 1 1 1 1
email
string
emma.anderson@example.com
david.martinez@example.com
olivia.garcia@example.com
john.doe@example.com
michael.johnson@example.com
daniel.thomas@example.com
emily.brown@example.com
james.wilson@example.com
sarah.taylor@example.com
name


Update 9 documents
testdb.students
Filter
{}
Update
Learn more about Update syntax
1 [
2 {
3 $set: {
4 location: {
5 type: "Point",
6 coordinates: [
7 { $subtract: [{ $multiply: [{ $rand: {} },
8 { $subtract: [{ $multiply: [{ $rand: {} },
9]
10 }
11 }
12 }
13]
14
Preview (sample of 3 documents)
_id: ObjectId('660bea1caaa128b67c0e7f94')
name: "Student1"
age: 20
email: "student1@example.com"
location: Object
type: "Point"
coordinates: Array
-172.4930886186411
35.963027571097
_id: ObjectId('660bea1caaa128b67c0e7f95')
name: "Student2"
age: 22
email: "student2@example.com"
location: Object
type: "Point"
coordinates: Array
-88.95255844564889
89.93464388621942
_id: ObjectId('660bea1caaa128b67c0e7f96')
Save
Cancel
Update 9 documents