

custom mdb script

March 16, 2024



Anonymous

mongodb+srv://admin:admin@cluster0.22nuhmx.mongodb.net/Tapop?retryWrites=true&w=majority
in this mongodb there lots of user collection, every user have multiple document, some of them have a specific field which is platform: "Whatsapp" and highlighted: false or true. i want to find all those users and replace their value of highlighted with "91"



ChatGPT

You can achieve this using the MongoDB `updateMany()` function along with a query to filter users based on the criteria you mentioned. Here's a sample query to accomplish this:

javascript

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Copy code

```
db.collection.updateMany(  
  { "platform": "Whatsapp", "highlighted": { $exists: true } },  
  { $set: { "highlighted": "91" } }  
)
```

This query will update all documents in the collection where the `platform` field is "Whatsapp" and the `highlighted` field exists, setting the value of `highlighted` to "91".



Anonymous

how to get the list of all collection



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To get a list of all collections in your MongoDB database, you can use the `listCollections()` method. Here's how you can do it using the MongoDB shell:

javascript

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```
// Connect to your MongoDB instance  
use Tapop  
  
// Get a list of all collections  
var collections = db.getCollectionNames();  
  
// Print the list of collections  
printjson(collections);
```

This will print out an array containing the names of all collections in your database. Make sure to replace `Tapop` with the name of your actual database.



Anonymous

ok let me tell you my project structure



ChatGPT

Sure, please provide details about your project structure, and I'll do my best to assist you further.

 **Anonymous**

```
this is index.js
require("dotenv").config()
const express = require('express');
const cors = require('cors');
const route = require('./router/route');
require("./db/connection")

const app = express();

app.use(cors());
app.use(express.json());
app.use(route);

const PORT = process.env.PORT || 5000;

app.listen(PORT, () => {
  console.log(`Server Run on ${PORT} ...`)
});
```

this is .env

```
DATABASE = mongodb+srv://admin:admin@cluster0.22nuhm.mongodb.net/Tapop?
retryWrites=true&w=majority
```

in router folder route.js

```
const express = require("express");
const router = express.Router();

// Debug API
router.get("/test", (_, res) => {
  let data = "ok";
  return res.send({ data: data });
});

module.exports = router;
```

in db folder connection.js

```
const mongoose = require("mongoose")

const DB = process.env.DATABASE

mongoose.connect(DB, {
  useNewUrlParser: true,
  useUnifiedTopology: true,
  useCreateIndex: true
})
  .then(() => console.log("DataBase Connected"))
  .catch((err) => { console.log(err) })
```



ChatGPT

Thank you for providing the project structure. If you want to get a list of all collections in your MongoDB database within your Node.js application, you can use the `mongoose.connection.db.listCollections()` method. Here's how you can modify your code:

`mongoose.connection.db.listCollections()` method. Here's how you can modify your `'connection.js'` file to achieve this:

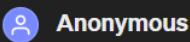
```
javascript
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const mongoose = require("mongoose")

const DB = process.env.DATABASE

mongoose.connect(DB, {
    useNewUrlParser: true,
    useUnifiedTopology: true
})
.then(() => {
    // Once the connection is established, get a list of all collections
    mongoose.connection.db.listCollections().toArray(function(err, collections) {
        if(err) {
            console.log(err);
            return;
        }
        console.log("Collections:");
        collections.forEach(collection => {
            console.log(collection.name);
        });
    });
}).catch((err) => {
    console.log(err);
});
```

This code will print out the names of all collections in your database once the connection is established. You can place this code in your `'connection.js'` file, and it will execute whenever your application connects to the database.



Anonymous

no, create a route so that i can run it on postman



ChatGPT

Sure, to create a route that returns a list of all collections in your MongoDB database when accessed via Postman, you can modify your `'route.js'` file to include this functionality. Here's how you can do it:

```
javascript
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const express = require("express");
const router = express.Router();
const mongoose = require("mongoose");

// Route to get a list of all collections
router.get("/collections", async (_, res) => {
    try {
        // Get a list of all collections
        const collections = await mongoose.connection.db.listCollections().toArray();

        // Extract collection names from the list
        const collectionNames = collections.map(collection => collection.name);
    } catch (err) {
        res.status(500).json({ error: "Internal Server Error" });
    }
});

module.exports = router;
```

```

        return res.status(200).json({ collections: collectionNames });
    } catch (error) {
        console.error("Error fetching collections:", error);
        return res.status(500).json({ error: "Internal Server Error" });
    }
});

// Debug API
router.get("/test", (_, res) => {
    let data = "ok";
    return res.send({ data: data });
});

module.exports = router;

```

Now, you can make a GET request to `/collections` endpoint using Postman, and it will return a JSON response containing the names of all collections in your MongoDB database.

Make sure your server is running and accessible, then you can open Postman, create a new GET request, and enter the URL: `http://localhost:<YOUR_PORT>/collections`, replacing `<YOUR_PORT>` with the actual port your server is running on (e.g., 5000). After sending the request, you should receive a response containing the collection names.

 **Anonymous**

sort it alphabet wise

 **ChatGPT**

To sort the collection names alphabetically before returning them in the response, you can use the JavaScript `sort()` method. Here's how you can modify the route to achieve this:

javascript

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```

const express = require("express");
const router = express.Router();
const mongoose = require("mongoose");

// Route to get a sorted list of all collections
router.get("/collections", async (_, res) => {
    try {
        // Get a list of all collections
        const collections = await mongoose.connection.db.listCollections().toArray();

        // Extract collection names from the list
        const collectionNames = collections.map(collection => collection.name);

        // Sort the collection names alphabetically
        collectionNames.sort();

        return res.status(200).json({ collections: collectionNames });
    } catch (error) {
        console.error("Error fetching collections:", error);
        return res.status(500).json({ error: "Internal Server Error" });
    }
});

```

```

// Debug API
router.get("/test", (_, res) => {
  let data = "ok";
  return res.send({ data: data });
});

module.exports = router;

```

Now, when you make a GET request to `/collections`, the response will contain the collection names sorted alphabetically.

 **Anonymous**

tapopusers and tapopcoreteam, these two collection I dont want to interfere with.

 **ChatGPT**

If you want to exclude certain collections like `tapopusers` and `tapopcoreteam` from the list returned by the route, you can filter them out before sorting and sending the response. Here's how you can do it:

```

javascript ✖ Save to grepper Copy code

const express = require("express");
const router = express.Router();
const mongoose = require("mongoose");

// Route to get a sorted list of all collections excluding tapopusers and tapopcoreteam
router.get("/collections", async (_, res) => {
  try {
    // Get a list of all collections
    const collections = await mongoose.connection.db.listCollections().toArray();

    // Extract collection names from the list
    const collectionNames = collections.map(collection => collection.name);

    // Filter out tapopusers and tapopcoreteam
    const filteredCollections = collectionNames.filter(name => name !== "tapopusers" && name !== "tapopcoreteam");

    // Sort the filtered collection names alphabetically
    filteredCollections.sort();

    return res.status(200).json({ collections: filteredCollections });
  } catch (error) {
    console.error("Error fetching collections:", error);
    return res.status(500).json({ error: "Internal Server Error" });
  }
});

// Debug API
router.get("/test", (_, res) => {
  let data = "ok";
  return res.send({ data: data });
});

module.exports = router;

```

Now, when you make a GET request to `/collections`, the response will contain the collection names sorted alphabetically, excluding `tapopusers` and `tapopcoreteam`.

 **Anonymous**

now I want to filter those collection those are having a platform: "Whatsapp" field in one of their document

 **ChatGPT**

To filter collections based on whether they contain a document with the field `platform` set to `"Whatsapp"`, you need to iterate over each collection and check if such a document exists within it. Here's how you can modify the route to achieve this:

javascript

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```
const express = require("express");
const router = express.Router();
const mongoose = require("mongoose");

// Route to get a sorted list of collections with a document containing platform: "Whatsapp"
router.get("/collections", async (_, res) => {
  try {
    // Get a list of all collections
    const collections = await mongoose.connection.db.listCollections().toArray();

    // Array to store collection names meeting the criteria
    const filteredCollections = [];

    // Iterate through collections
    for (const collection of collections) {
      // Get the collection name
      const collectionName = collection.name;

      // Check if any document in the collection contains platform: "Whatsapp"
      const found = await mongoose.connection.db.collection(collectionName).findOne({ platform: "Whatsapp" });

      // If found, add the collection name to the filtered list
      if (found) {
        filteredCollections.push(collectionName);
      }
    }

    // Sort the filtered collection names alphabetically
    filteredCollections.sort();

    return res.status(200).json({ collections: filteredCollections });
  } catch (error) {
    console.error("Error filtering collections:", error);
    return res.status(500).json({ error: "Internal Server Error" });
  }
});

// Debug API
router.get("/test", (_, res) => {
  let data = "ok";
  return res.send({ data: data });
});
```

```
});  
  
module.exports = router;
```

This route will return a sorted list of collection names that contain at least one document with the `platform` field set to `"Whatsapp"`.

 **Anonymous**

now in these collection one or more documents have platform: "Whatsapp" and highlighted: false or true. i want to find all those and replace their value of highlighted with "91"

 **ChatGPT**

To find all documents in the collections that have the `platform` field set to `"Whatsapp"` and the `highlighted` field set to either `false` or `true`, and then replace their `highlighted` value with `"91"`, you can use the `updateMany()` method. Here's how you can modify the route to achieve this:

```
javascript ✖ Save to grepper Copy code  
  
const express = require("express");
const router = express.Router();
const mongoose = require("mongoose");

// Route to find and update documents in collections meeting the criteria
router.get("/update-highlighted", async (_, res) => {
  try {
    // Get a list of all collections
    const collections = await mongoose.connection.db.listCollections().toArray();

    // Array to store collection names meeting the criteria
    const filteredCollections = [];

    // Iterate through collections
    for (const collection of collections) {
      // Get the collection name
      const collectionName = collection.name;

      // Check if any document in the collection contains platform: "Whatsapp"
      const found = await mongoose.connection.db.collection(collectionName).findOne({ platform: "Whatsapp" });

      // If found, add the collection name to the filtered list
      if (found) {
        filteredCollections.push(collectionName);

        // Update documents in the collection where platform is "Whatsapp" and highlighted is either false or true
        await mongoose.connection.db.collection(collectionName).updateMany(
          { platform: "Whatsapp", highlighted: { $in: [false, true] } },
          { $set: { highlighted: "91" } }
        );
      }
    }

    // Sort the filtered collection names alphabetically
    filteredCollections.sort();
  }
})
```

```
        return res.status(200).json({ collections: filteredCollections, message: "Highlighted" });
    } catch (error) {
        console.error("Error updating highlighted:", error);
        return res.status(500).json({ error: "Internal Server Error" });
    }
});

// Debug API
router.get("/test", (_, res) => {
    let data = "ok";
    return res.send({ data: data });
});

module.exports = router;
```

This route will iterate over each collection, find documents where `platform` is `"Whatsapp"` and `highlighted` is either `false` or `true`, and update their `highlighted` field to `"91"`. Finally, it will return a response indicating the updated collections.

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