Wardatul Keskin | 301294696

Instructions :

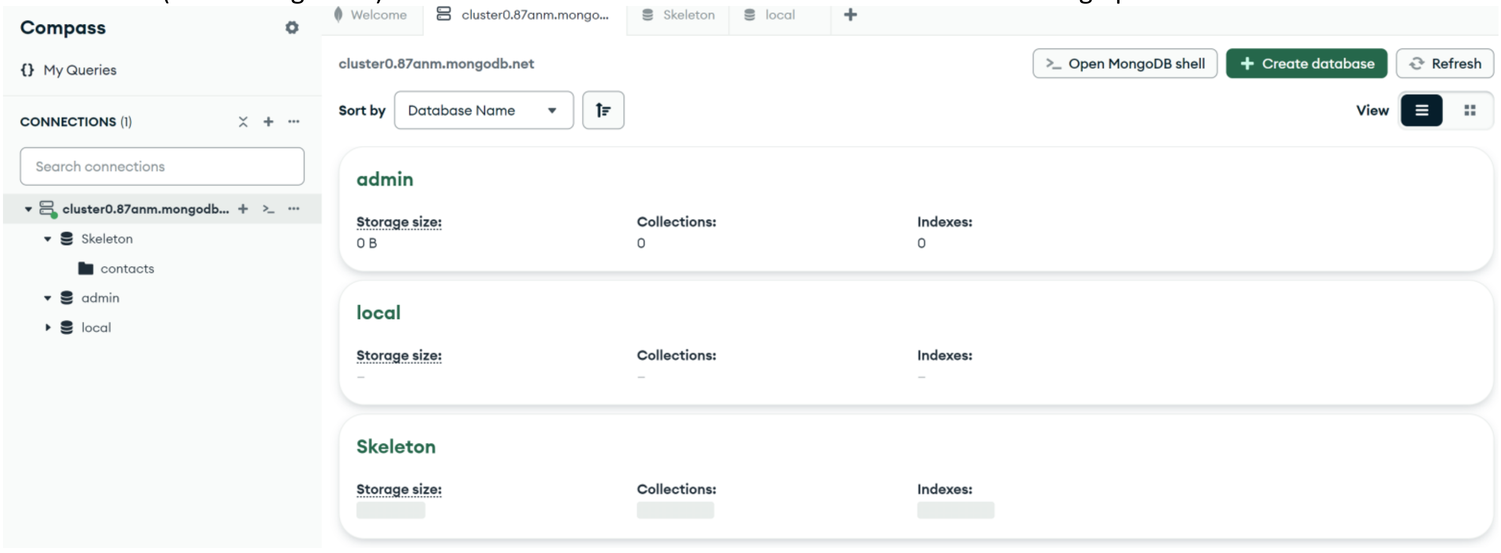
The Portfolio Application:

1. Using MongoDB database, create:**(25 Marks):**
   a. A database by name Skeleton**.**
   b. Create the following collections with their respective property. (5 Marks: Functionality).
      I. contacts
      firstname: string
      lastname: string
      email: string
      II. users
      name: string
      email: string
      password: string
      created: Date
      updated: Date
   c. Obtain your connection string (url or uri)

Provide the screen snapshot of your MongoDB database showing the above steps from 1a – c.

Answer:

1. a Skeleton Database
Create database (from MongoDBCompass) – Skeleton or
use Skeleton (from Mongoshell). I've created it based on the silde instructions when setting up the cloud.



cluster0.87anm.mongodb.net

admin
Storage size: 0 B Collections: 0 Indexes: 0

local
Storage size: – Collections: – Indexes: –

Skeleton
Storage size: Collections: Indexes:

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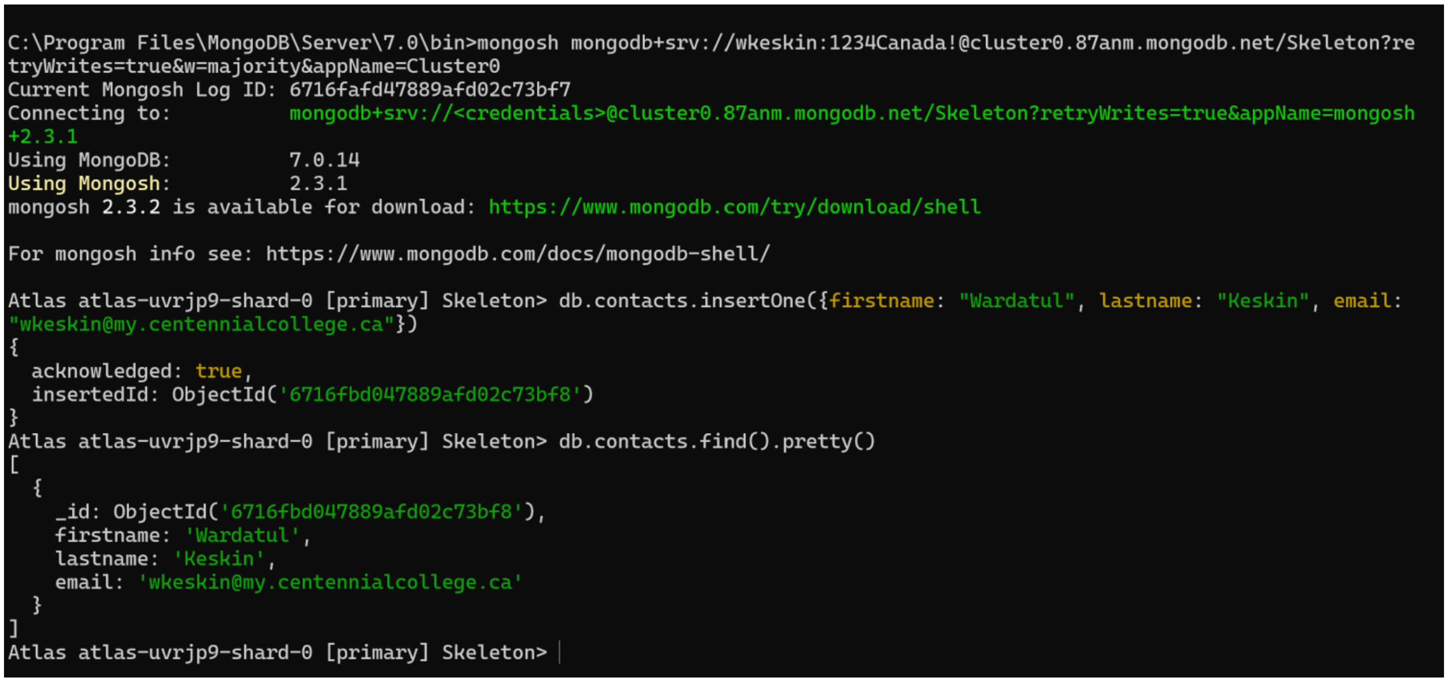
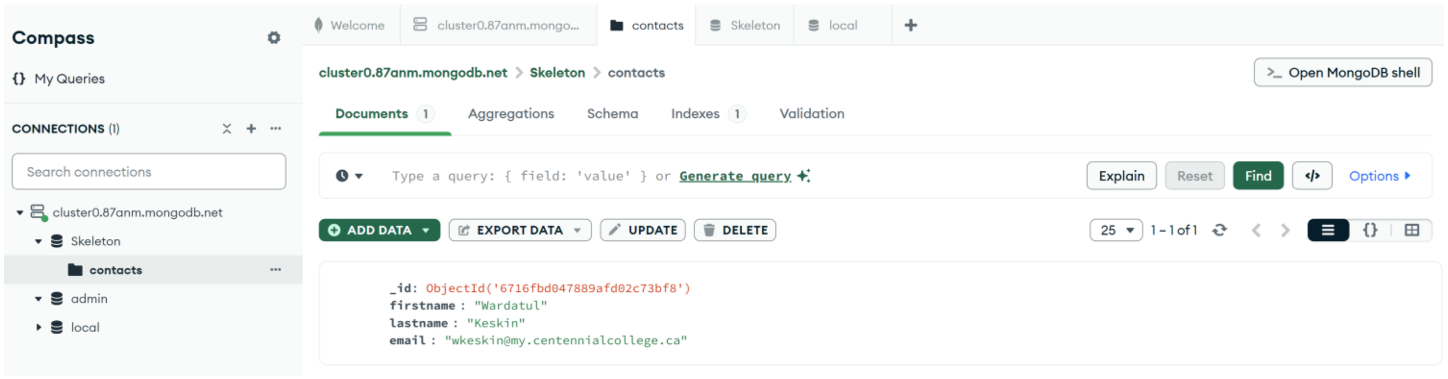
1. b

Contacts

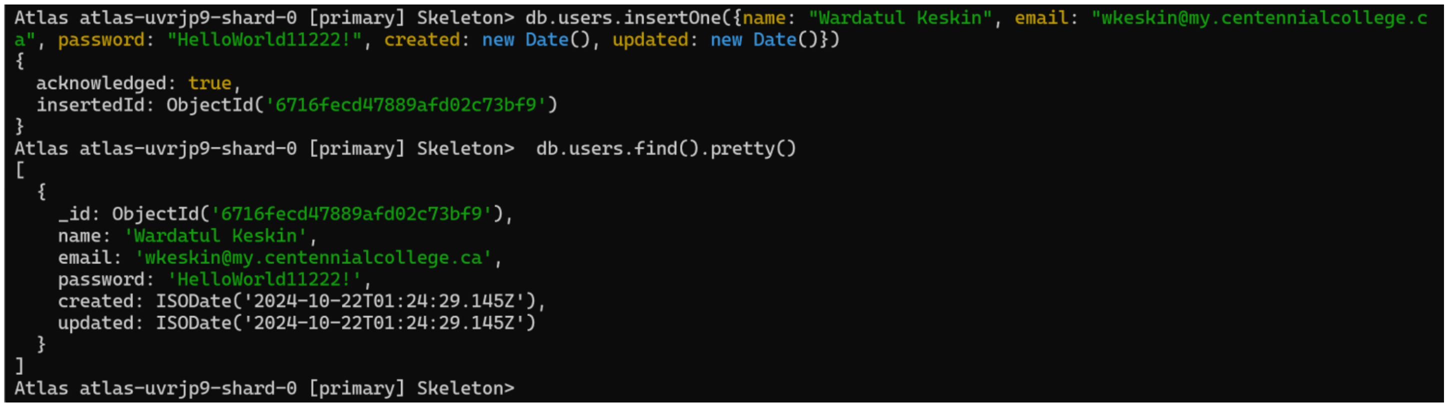


```
C:\Program Files\MongoDB\Server\7.0\bin>mongosh mongodb+srv://wkeskin:1234Canada!@cluster0.87anm.mongodb.net/Skeleton?retryWrites=true&w=majority&appName=Cluster0
Current Mongosh Log ID: 6716fafd47889afd02c73bf7
Connecting to:          mongodb+srv://<credentials>@cluster0.87anm.mongodb.net/Skeleton?retryWrites=true&appName=mongosh+2.3.1
Using MongoDB:          7.0.14
Using Mongosh:          2.3.1
mongosh 2.3.2 is available for download: https://www.mongodb.com/try/download/shell

For mongosh info see: https://www.mongodb.com/docs/mongodb-shell/

Atlas atlas-uvrjp9-shard-0 [primary] Skeleton> db.contacts.insertOne({firstname: "Wardatul", lastname: "Keskin", email: "wkeskin@my.centennialcollege.ca"})
{
  acknowledged: true,
  insertedId: ObjectId('6716fbd047889afd02c73bf8')
}
Atlas atlas-uvrjp9-shard-0 [primary] Skeleton> db.contacts.find().pretty()
[
  {
    _id: ObjectId('6716fbd047889afd02c73bf8'),
    firstname: 'Wardatul',
    lastname: 'Keskin',
    email: 'wkeskin@my.centennialcollege.ca'
  }
]
Atlas atlas-uvrjp9-shard-0 [primary] Skeleton>
```



```
_id: ObjectId('6716fbd047889afd02c73bf8')
firstname : "Wardatul"
lastname : "Keskin"
email : "wkeskin@my.centennialcollege.ca"
```

Users



```
Atlas atlas-uvrjp9-shard-0 [primary] Skeleton> db.users.insertOne({name: "Wardatul Keskin", email: "wkeskin@my.centennialcollege.ca", password: "HelloWorld11222!", created: new Date(), updated: new Date()})
{
  acknowledged: true,
  insertedId: ObjectId('6716fecd47889afd02c73bf9')
}
Atlas atlas-uvrjp9-shard-0 [primary] Skeleton>  db.users.find().pretty()
[
  {
    _id: ObjectId('6716fecd47889afd02c73bf9'),
    name: 'Wardatul Keskin',
    email: 'wkeskin@my.centennialcollege.ca',
    password: 'HelloWorld11222!',
    created: ISODate('2024-10-22T01:24:29.145Z'),
    updated: ISODate('2024-10-22T01:24:29.145Z')
  }
]
Atlas atlas-uvrjp9-shard-0 [primary] Skeleton>
```

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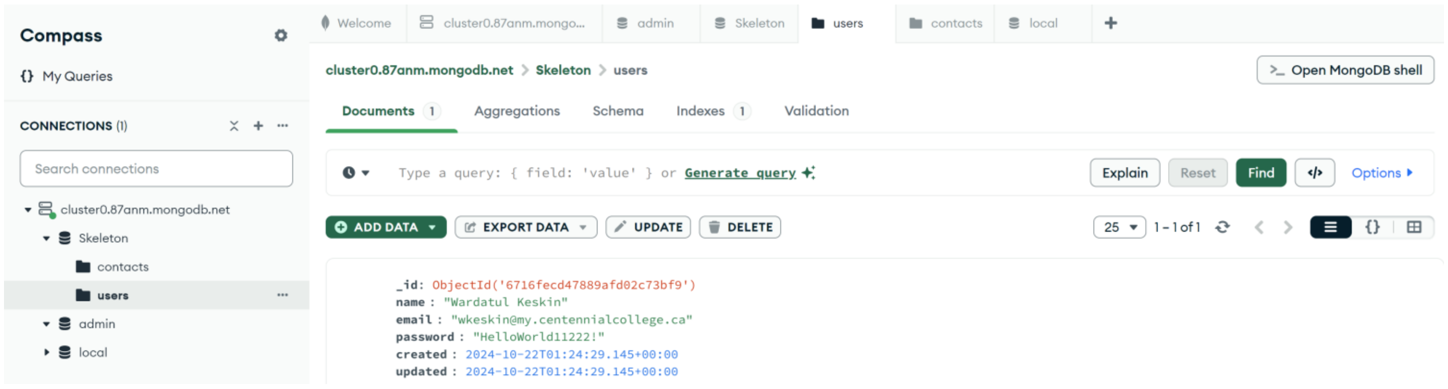
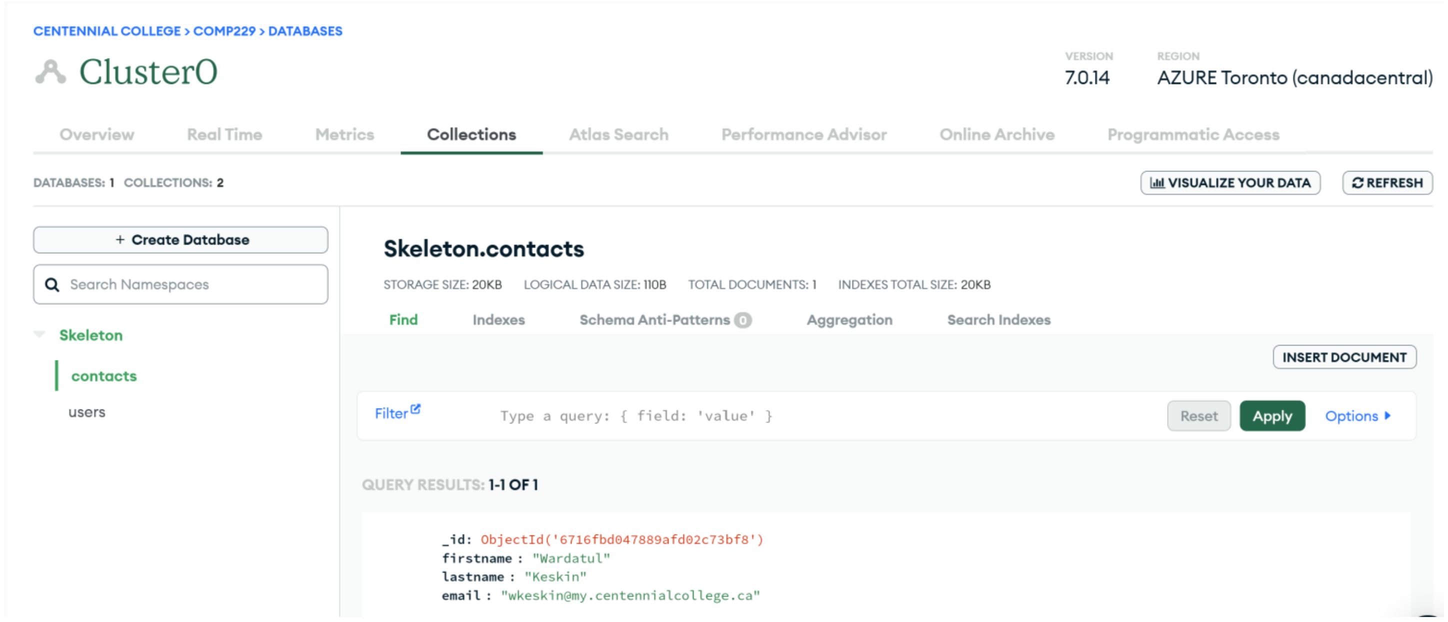


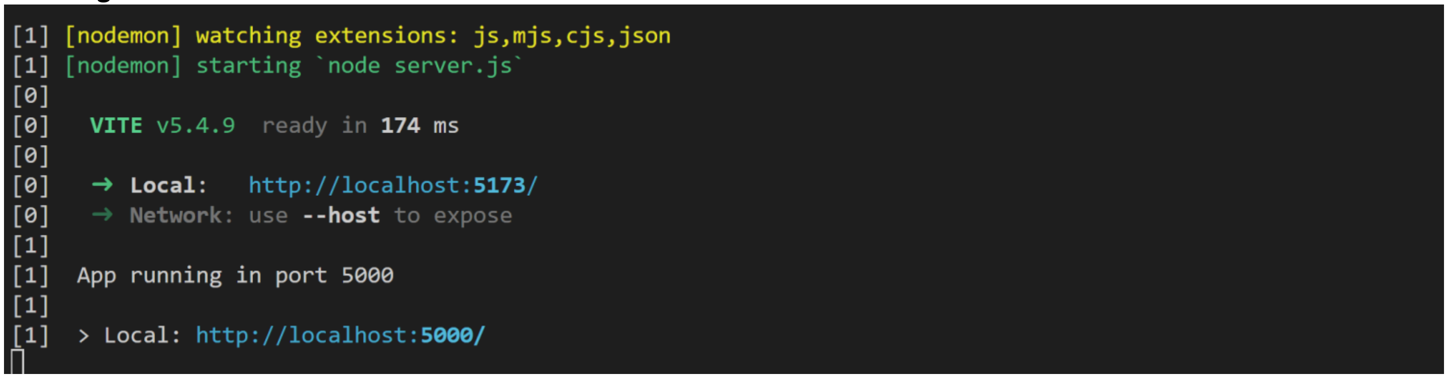
```
_id: ObjectId('6716fecd47889afd02c73bf9')
name : "Wardatul Keskin"
email : "wkeskin@my.centennialcollege.ca"
password : "HelloWorld11222!"
created : 2024-10-22T01:24:29.145+00:00
updated : 2024-10-22T01:24:29.145+00:00
```

1 c. Connection string / url
mongodb+srv://wkeskin:1234Canada!@cluster0.87anm.mongodb.net/Skeleton?retryWrites=true&w=majority&appName=Cluster0



```
_id: ObjectId('6716fbd047889afd02c73bf8')
firstname : "Wardatul"
lastname : "Keskin"
email : "wkeskin@my.centennialcollege.ca"
```

2. Configure the Backend



```
[1] [nodemon] watching extensions: js,mjs,cjs,json
[1] [nodemon] starting `node server.js`
[0]
[0]   VITE v5.4.9  ready in 174 ms
[0]
[0]   ➜  Local:   http://localhost:5173/
[0]   ➜  Network: use --host to expose
[1]
[1]  App running in port 5000
[1]
[1]  > Local: http://localhost:5000/
```

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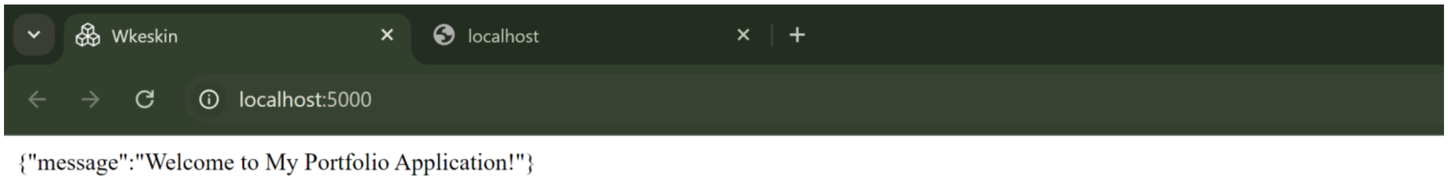
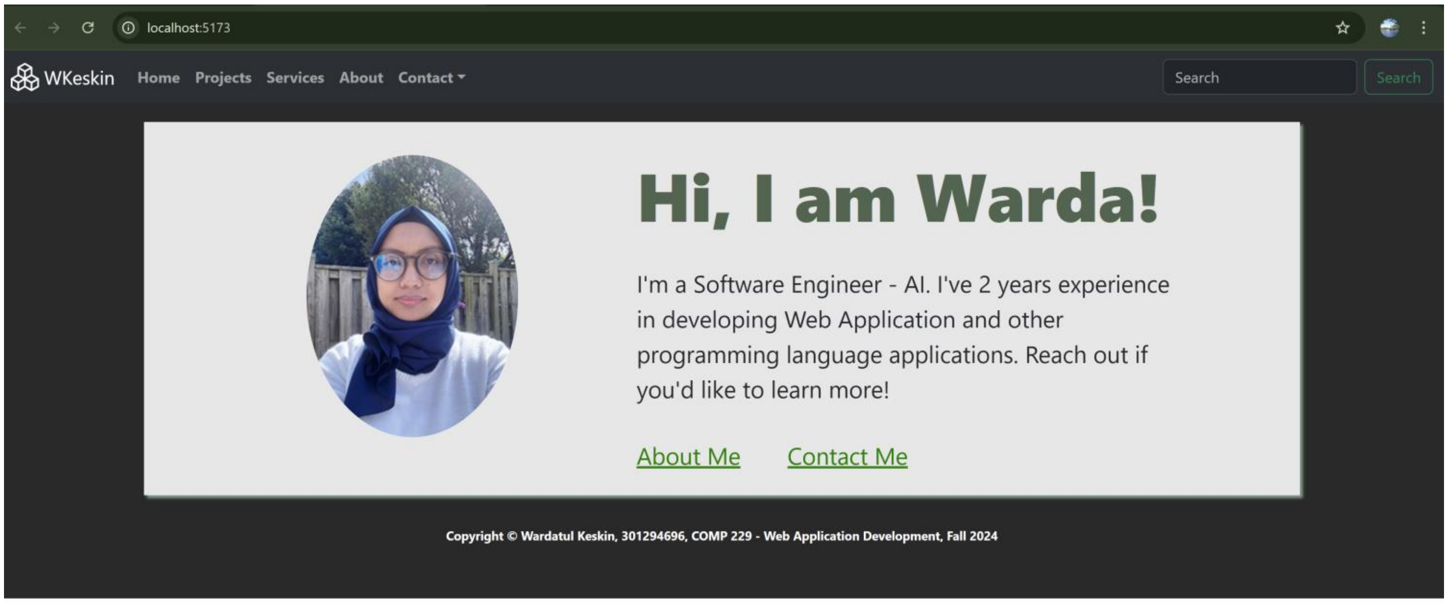
Server Side:



```
{"message":"Welcome to My Portfolio Application!"}
```

Client Side



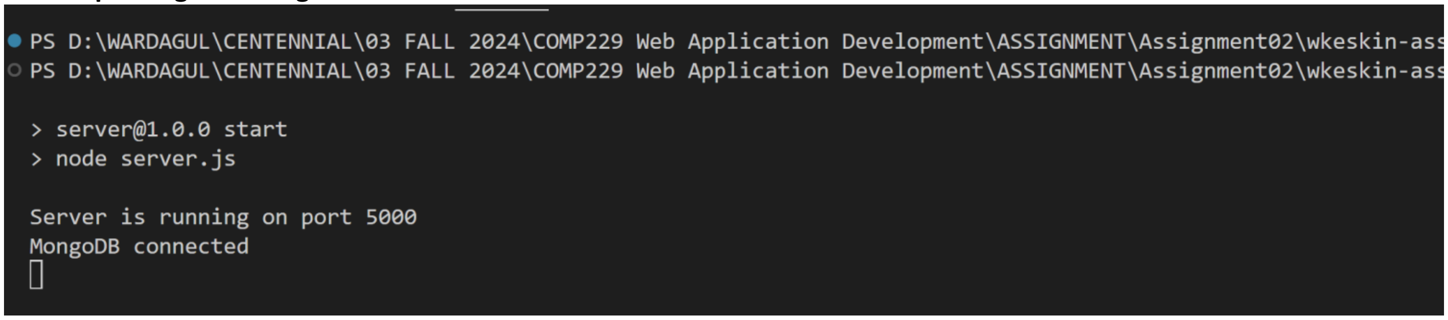
Hi, I am Warda!

I'm a Software Engineer - AI. I've 2 years experience in developing Web Application and other programming language applications. Reach out if you'd like to learn more!

About Me Contact Me

Copyright © Wardatul Keskin, 301294696, COMP 229 - Web Application Development, Fall 2024

3. Set up MongoDB using babel



```
PS D:\WARDAGUL\CENTENNIAL\03 FALL 2024\COMP229 Web Application Development\ASSIGNMENT\Assignment02\wkeskin-ass
PS D:\WARDAGUL\CENTENNIAL\03 FALL 2024\COMP229 Web Application Development\ASSIGNMENT\Assignment02\wkeskin-ass

> server@1.0.0 start
> node server.js

Server is running on port 5000
MongoDB connected
```

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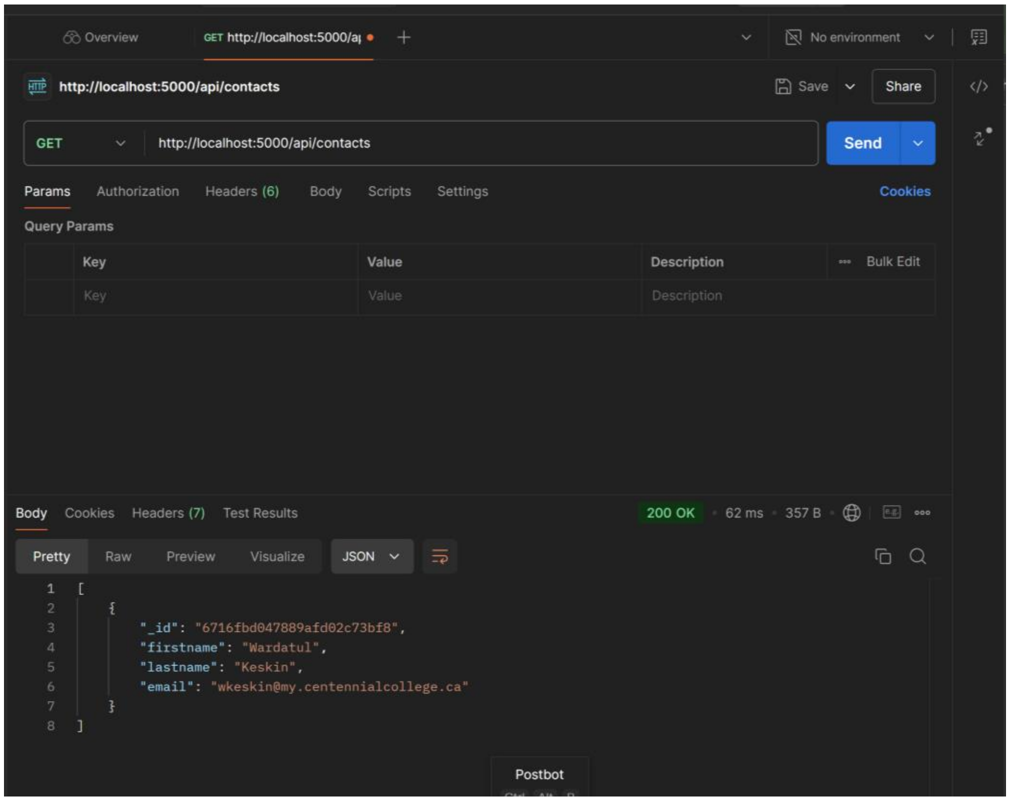
4. Postman testing

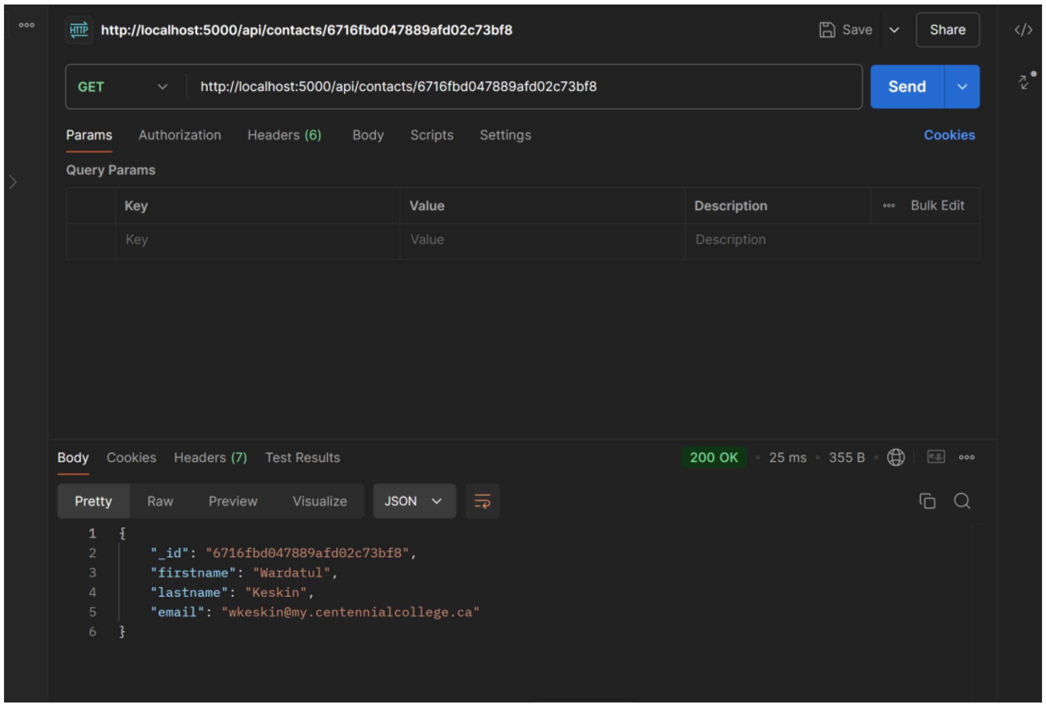


GET http://localhost:5000/api/contacts

200 OK · 62 ms · 357 B

```
[
    {
        "_id": "6716fbd047889afd02c73bf8",
        "firstname": "Wardatul",
        "lastname": "Keskin",
        "email": "wkeskin@my.centennialcollege.ca"
    }
]
```

Postman Testing 1. Get All Contact

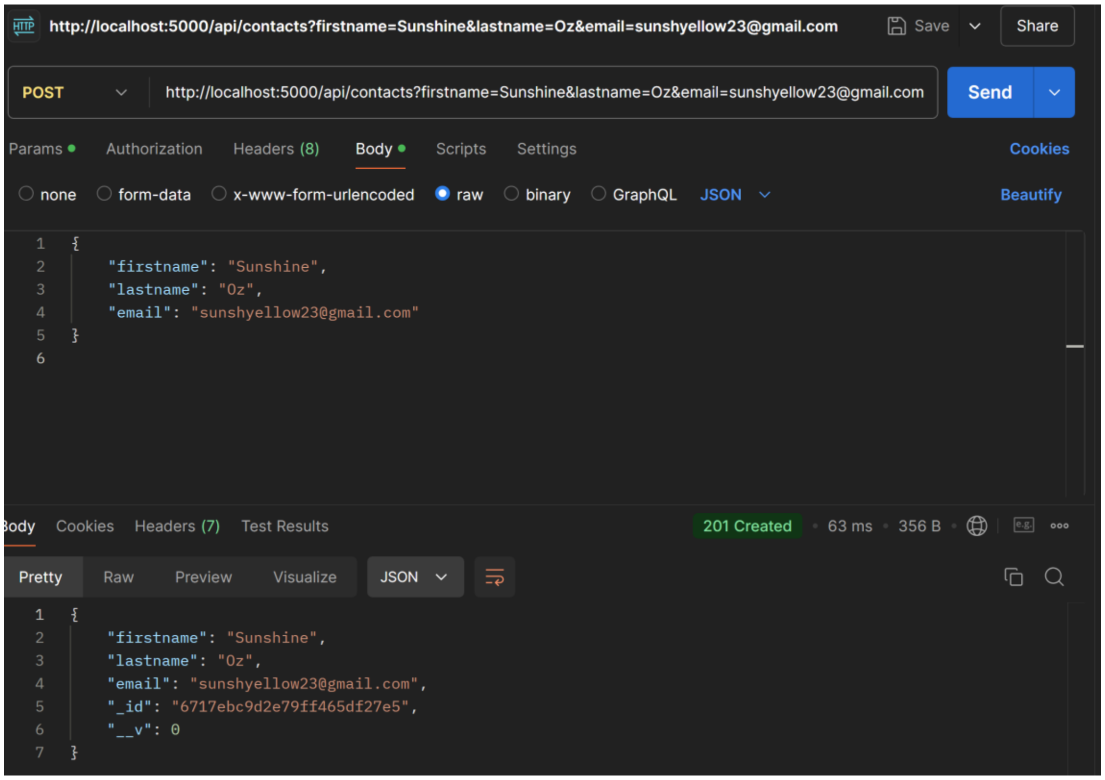


GET http://localhost:5000/api/contacts/6716fbd047889afd02c73bf8

200 OK · 25 ms · 355 B

```
{
    "_id": "6716fbd047889afd02c73bf8",
    "firstname": "Wardatul",
    "lastname": "Keskin",
    "email": "wkeskin@my.centennialcollege.ca"
}
```

Postman Testing 2. Get Contact by Id



http://localhost:5000/api/contacts?firstname=Sunshine&lastname=Oz&email=sunshyellow23@gmail.com

POST http://localhost:5000/api/contacts?firstname=Sunshine&lastname=Oz&email=sunshyellow23@gmail.com

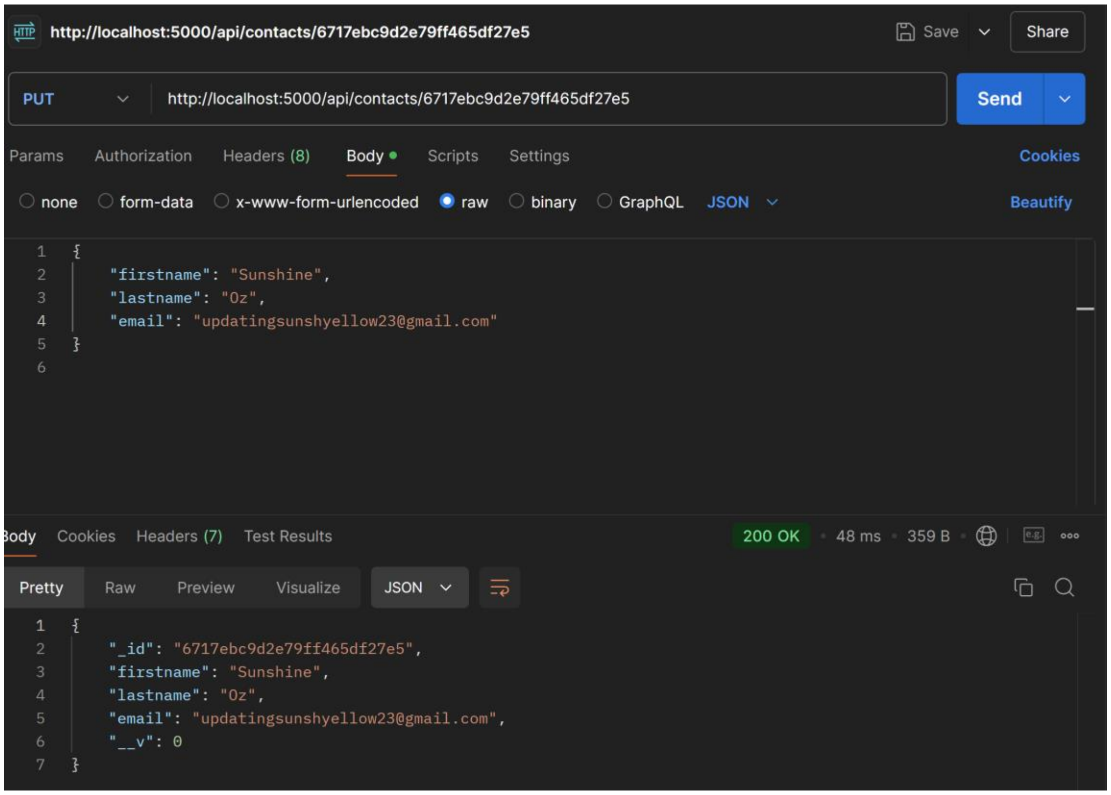
Body: raw, JSON

```
{
    "firstname": "Sunshine",
    "lastname": "Oz",
    "email": "sunshyellow23@gmail.com"
}
```

201 Created · 63 ms · 356 B

```
{
    "firstname": "Sunshine",
    "lastname": "Oz",
    "email": "sunshyellow23@gmail.com",
    "_id": "6717ebc9d2e79ff465df27e5",
    "__v": 0
}
```

Postman Testing 3. Post or Create a New Contact



http://localhost:5000/api/contacts/6717ebc9d2e79ff465df27e5

PUT http://localhost:5000/api/contacts/6717ebc9d2e79ff465df27e5

Body: raw, JSON

```
{
    "firstname": "Sunshine",
    "lastname": "Oz",
    "email": "updatingsunshyellow23@gmail.com"
}
```

200 OK · 48 ms · 359 B

```
{
    "_id": "6717ebc9d2e79ff465df27e5",
    "firstname": "Sunshine",
    "lastname": "Oz",
    "email": "updatingsunshyellow23@gmail.com",
    "__v": 0
}
```

Postman Testing 4. Put or Update Contact by Id

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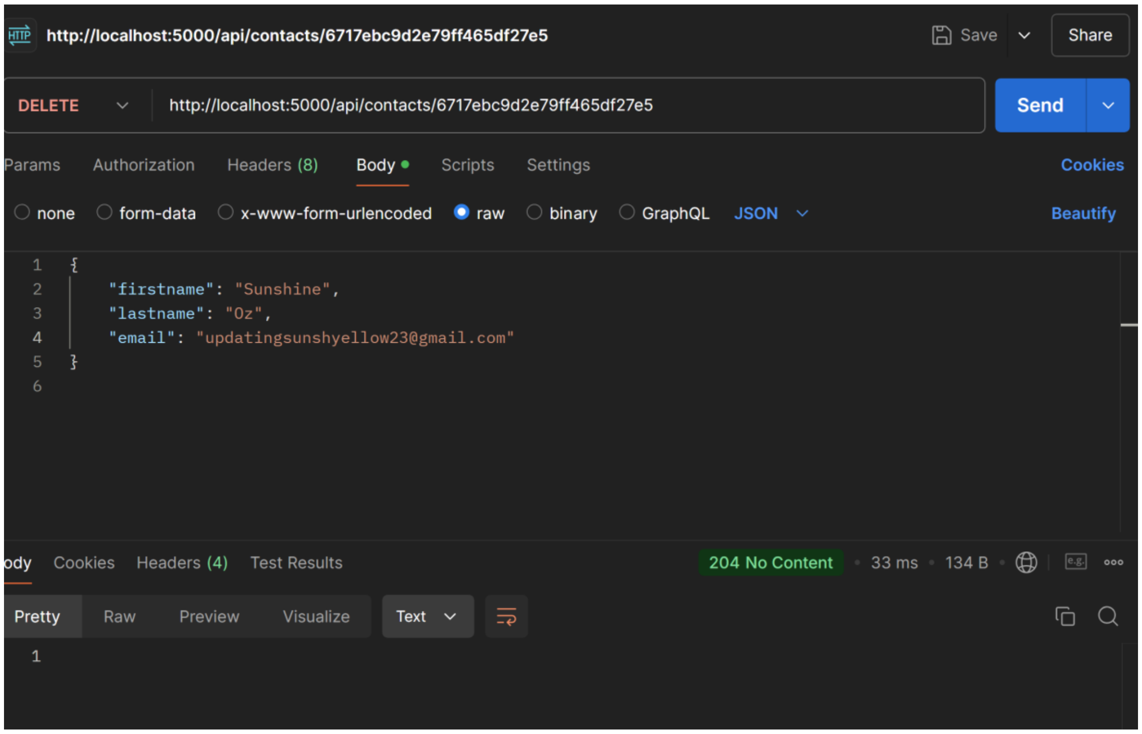


http://localhost:5000/api/contacts/6717ebc9d2e79ff465df27e5

DELETE http://localhost:5000/api/contacts/6717ebc9d2e79ff465df27e5

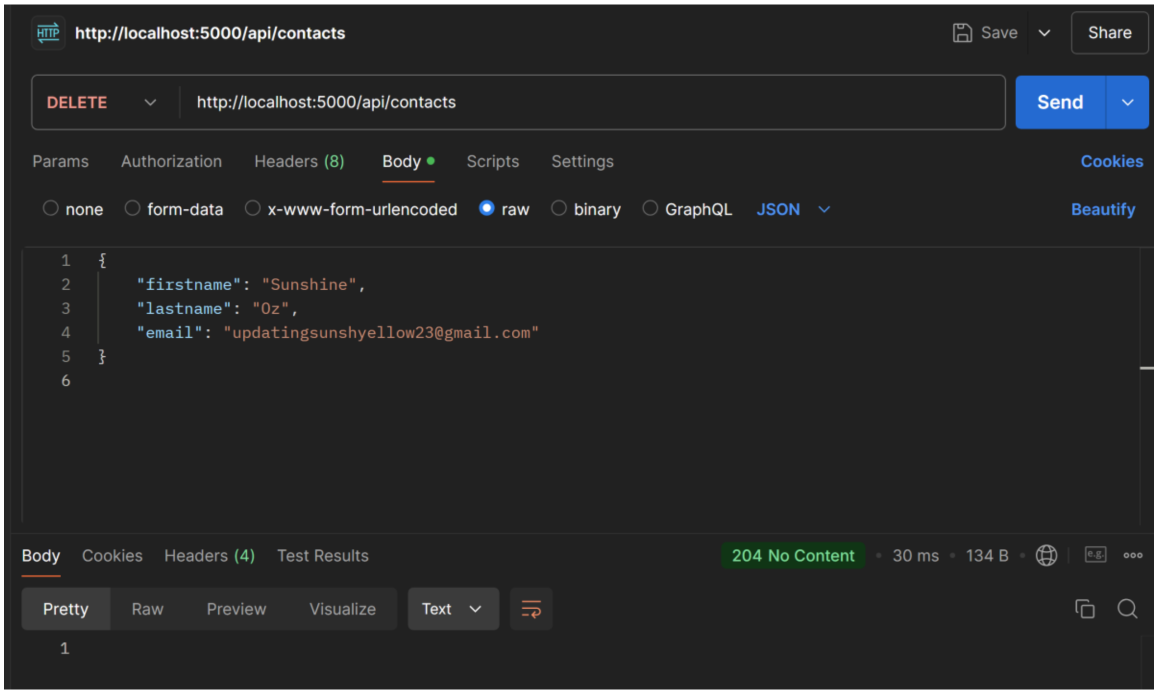
none / form-data / x-www-form-urlencoded / [✓ raw] / binary / GraphQL — JSON

```
{
    "firstname": "Sunshine",
    "lastname": "Oz",
    "email": "updatingsunshyellow23@gmail.com"
}
```

204 No Content • 33 ms • 134 B

```
1
```

Postman Testing 5. Delete or Remove Contact by Id



http://localhost:5000/api/contacts

DELETE http://localhost:5000/api/contacts

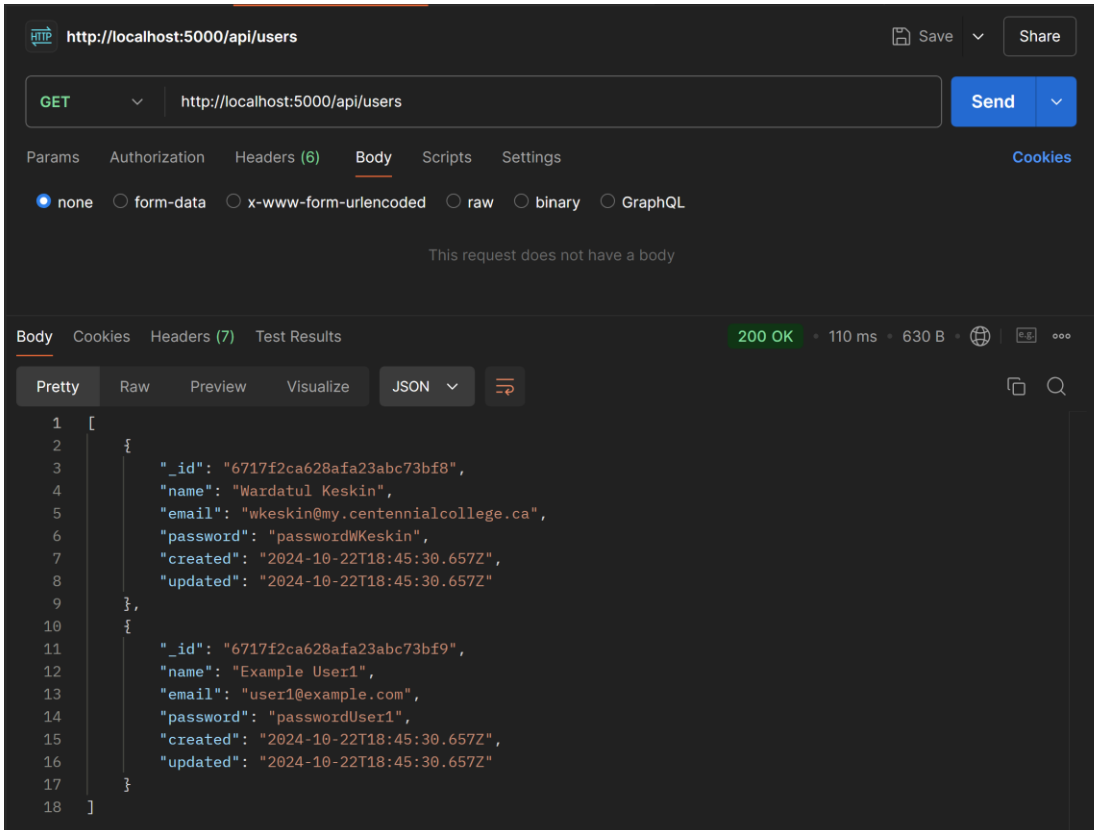
none / form-data / x-www-form-urlencoded / [✓ raw] / binary / GraphQL — JSON

```
{
    "firstname": "Sunshine",
    "lastname": "Oz",
    "email": "updatingsunshyellow23@gmail.com"
}
```

204 No Content • 30 ms • 134 B

```
1
```

Postman Testing 6. Delete or Remove all Contacts



http://localhost:5000/api/users

GET http://localhost:5000/api/users

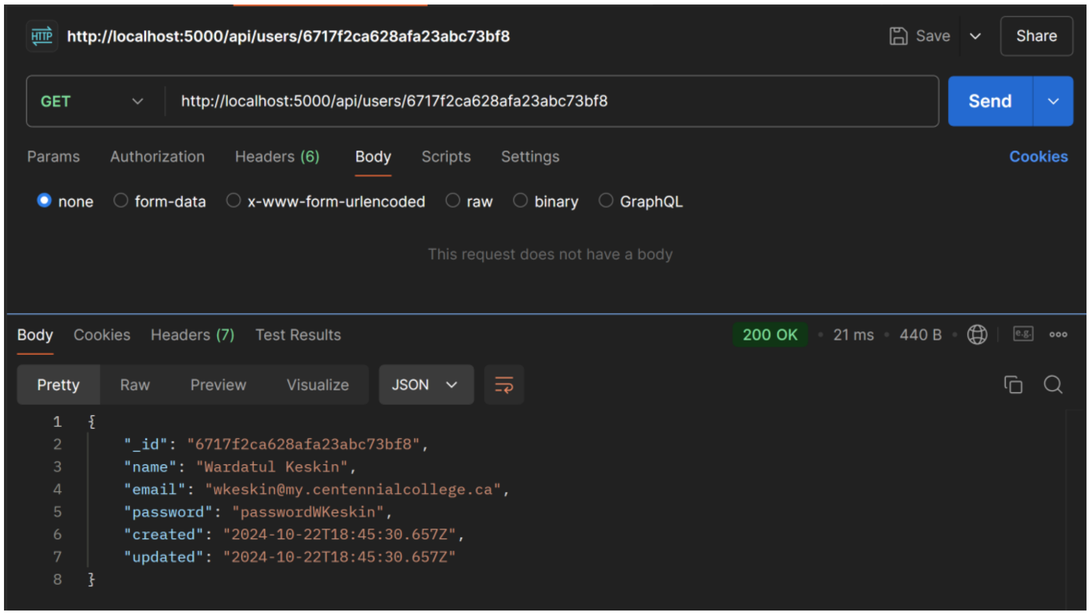
Body: none

This request does not have a body

200 OK • 110 ms • 630 B

```
[
    {
        "_id": "6717f2ca628afa23abc73bf8",
        "name": "Wardatul Keskin",
        "email": "wkeskin@my.centennialcollege.ca",
        "password": "passwordWKeskin",
        "created": "2024-10-22T18:45:30.657Z",
        "updated": "2024-10-22T18:45:30.657Z"
    },
    {
        "_id": "6717f2ca628afa23abc73bf9",
        "name": "Example User1",
        "email": "user1@example.com",
        "password": "passwordUser1",
        "created": "2024-10-22T18:45:30.657Z",
        "updated": "2024-10-22T18:45:30.657Z"
    }
]
```

Postman Testing 7. Get all users



http://localhost:5000/api/users/6717f2ca628afa23abc73bf8

GET http://localhost:5000/api/users/6717f2ca628afa23abc73bf8

Body: none

This request does not have a body

200 OK • 21 ms • 440 B

```
{
    "_id": "6717f2ca628afa23abc73bf8",
    "name": "Wardatul Keskin",
    "email": "wkeskin@my.centennialcollege.ca",
    "password": "passwordWKeskin",
    "created": "2024-10-22T18:45:30.657Z",
    "updated": "2024-10-22T18:45:30.657Z"
}
```

Postman Testing 8. Get User by Id

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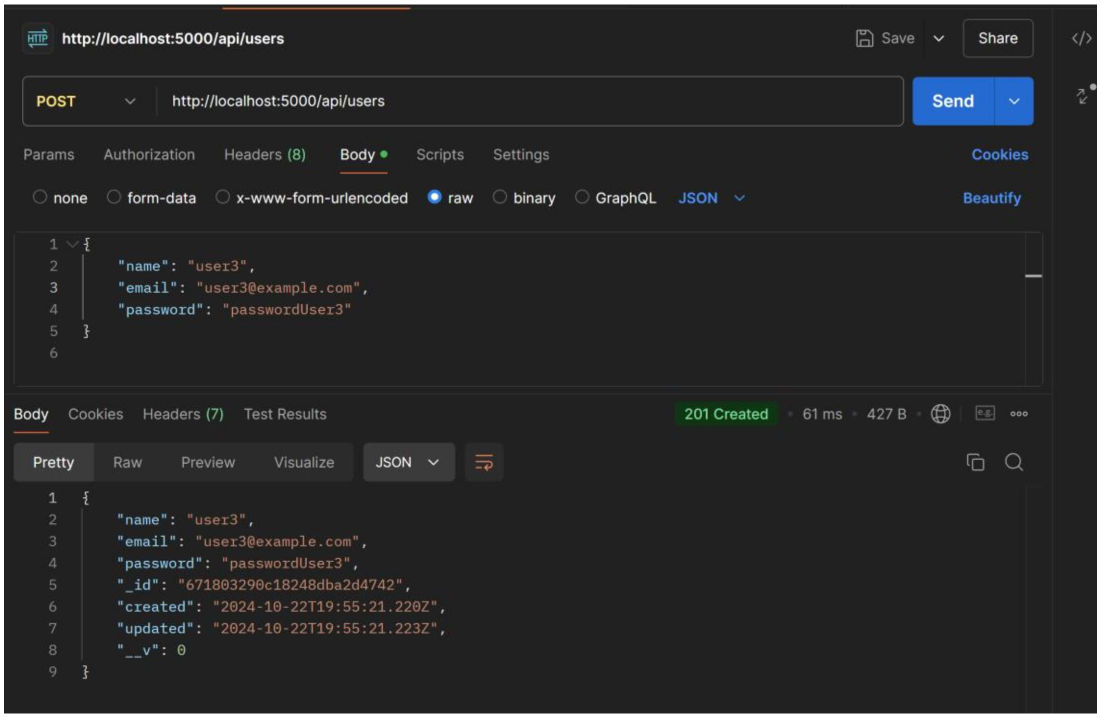


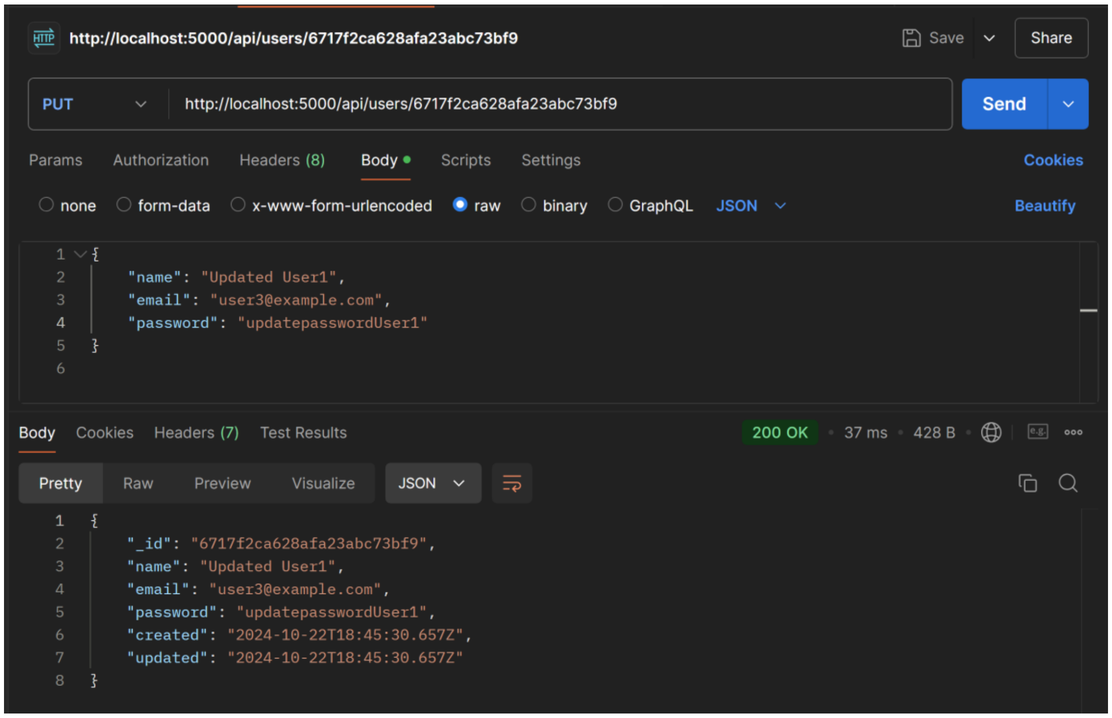
```
POST http://localhost:5000/api/users
```

```
{
    "name": "user3",
    "email": "user3@example.com",
    "password": "passwordUser3"
}
```

201 Created

```
{
    "name": "user3",
    "email": "user3@example.com",
    "password": "passwordUser3",
    "_id": "671803290c18248dba2d4742",
    "created": "2024-10-22T19:55:21.220Z",
    "updated": "2024-10-22T19:55:21.223Z",
    "__v": 0
}
```

Postman Testing 9. Post or Create a New User



```
PUT http://localhost:5000/api/users/6717f2ca628afa23abc73bf9
```

```
{
    "name": "Updated User1",
    "email": "user3@example.com",
    "password": "updatepasswordUser1"
}
```

200 OK

```
{
    "_id": "6717f2ca628afa23abc73bf9",
    "name": "Updated User1",
    "email": "user3@example.com",
    "password": "updatepasswordUser1",
    "created": "2024-10-22T18:45:30.657Z",
    "updated": "2024-10-22T18:45:30.657Z"
}
```

Postman Testing 10. Put or Update User by Id

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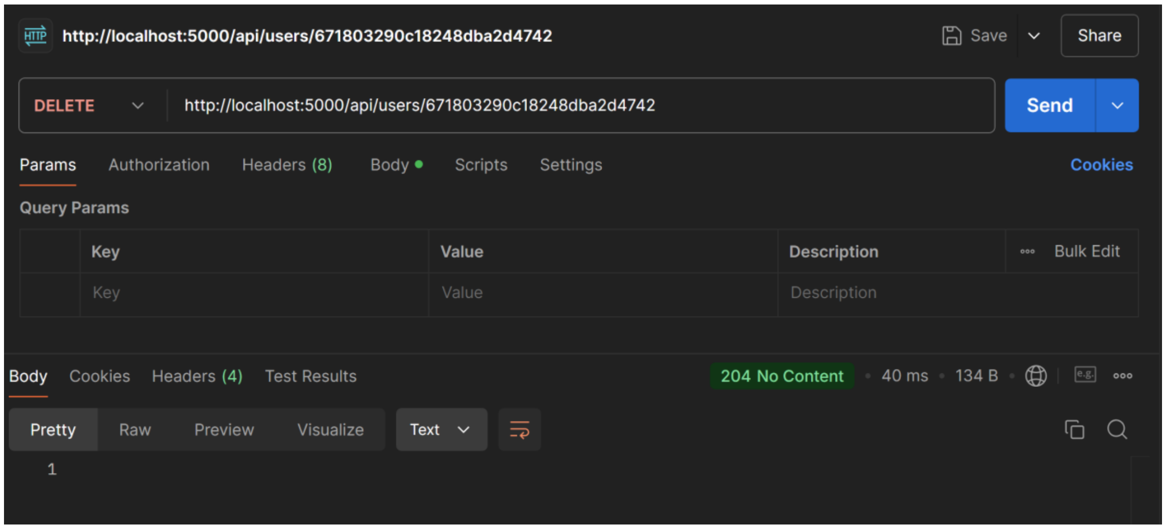


http://localhost:5000/api/users/671803290c18248dba2d4742

DELETE http://localhost:5000/api/users/671803290c18248dba2d4742

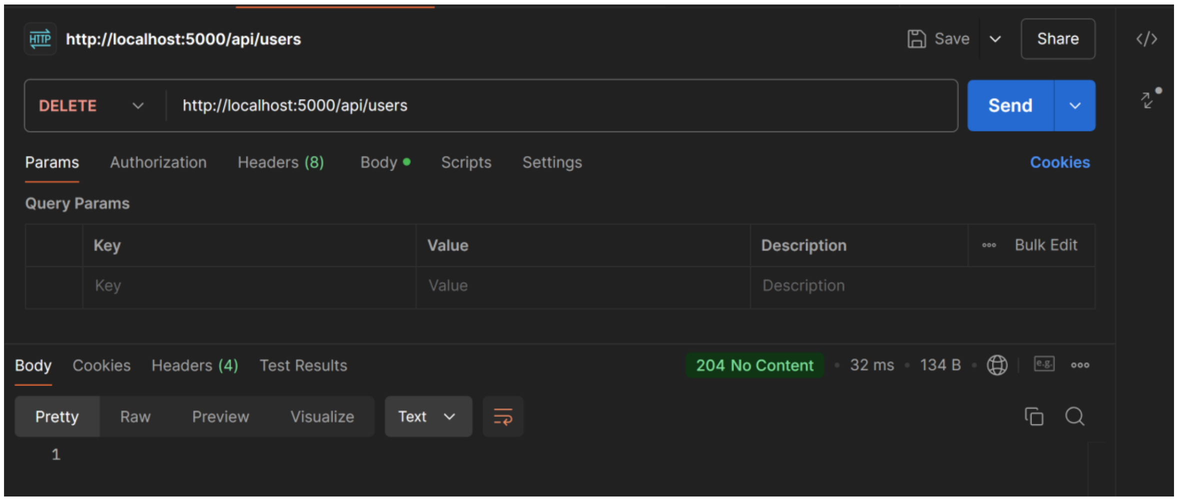
Query Params

Key	Value	Description
Key	Value	Description

204 No Content · 40 ms · 134 B

```
1
```

Postman Testing 11. Delete a User by Id



http://localhost:5000/api/users

DELETE http://localhost:5000/api/users

Query Params

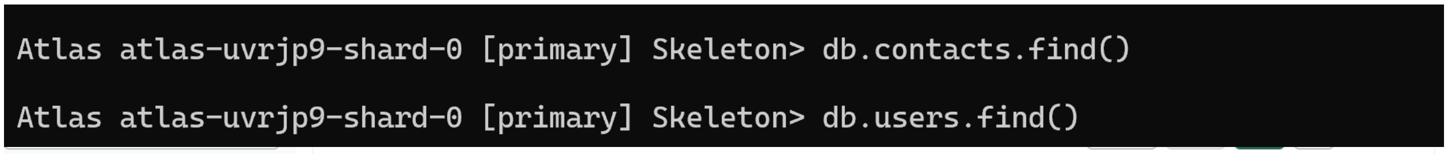
Key	Value	Description
Key	Value	Description

204 No Content · 32 ms · 134 B

```
1
```

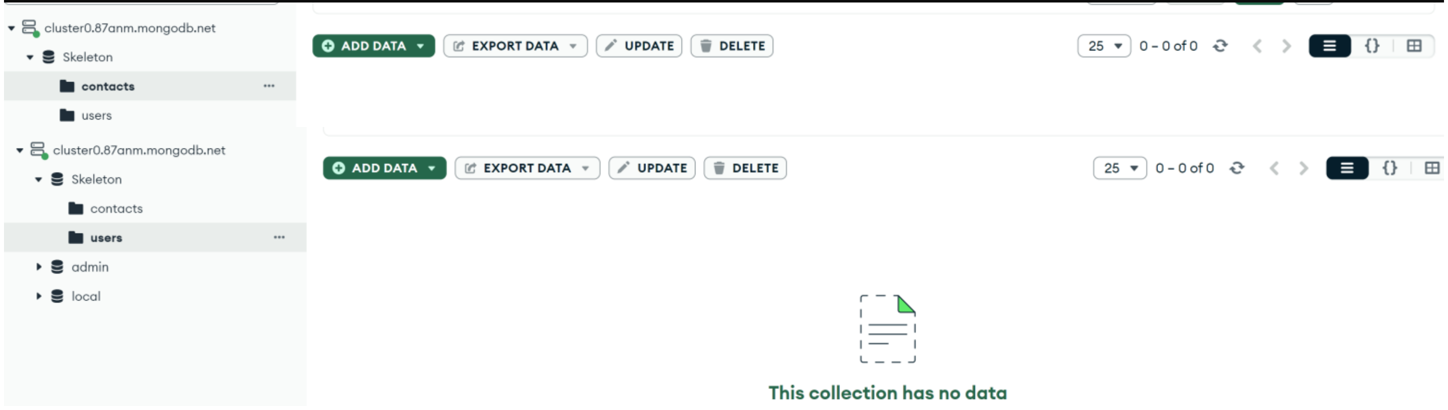
Postman Testing 12. Delete all Users

Below are the screenshot of Skeleton data based after deleted all users and contacts



```
Atlas atlas-uvrjp9-shard-0 [primary] Skeleton> db.contacts.find()

Atlas atlas-uvrjp9-shard-0 [primary] Skeleton> db.users.find()
```



cluster0.87anm.mongodb.net
Skeleton
contacts
users
ADD DATA
EXPORT DATA
UPDATE
DELETE
25
0 – 0 of 0
cluster0.87anm.mongodb.net
Skeleton
contacts
users
admin
local
ADD DATA
EXPORT DATA
UPDATE
DELETE
25
0 – 0 of 0
This collection has no data