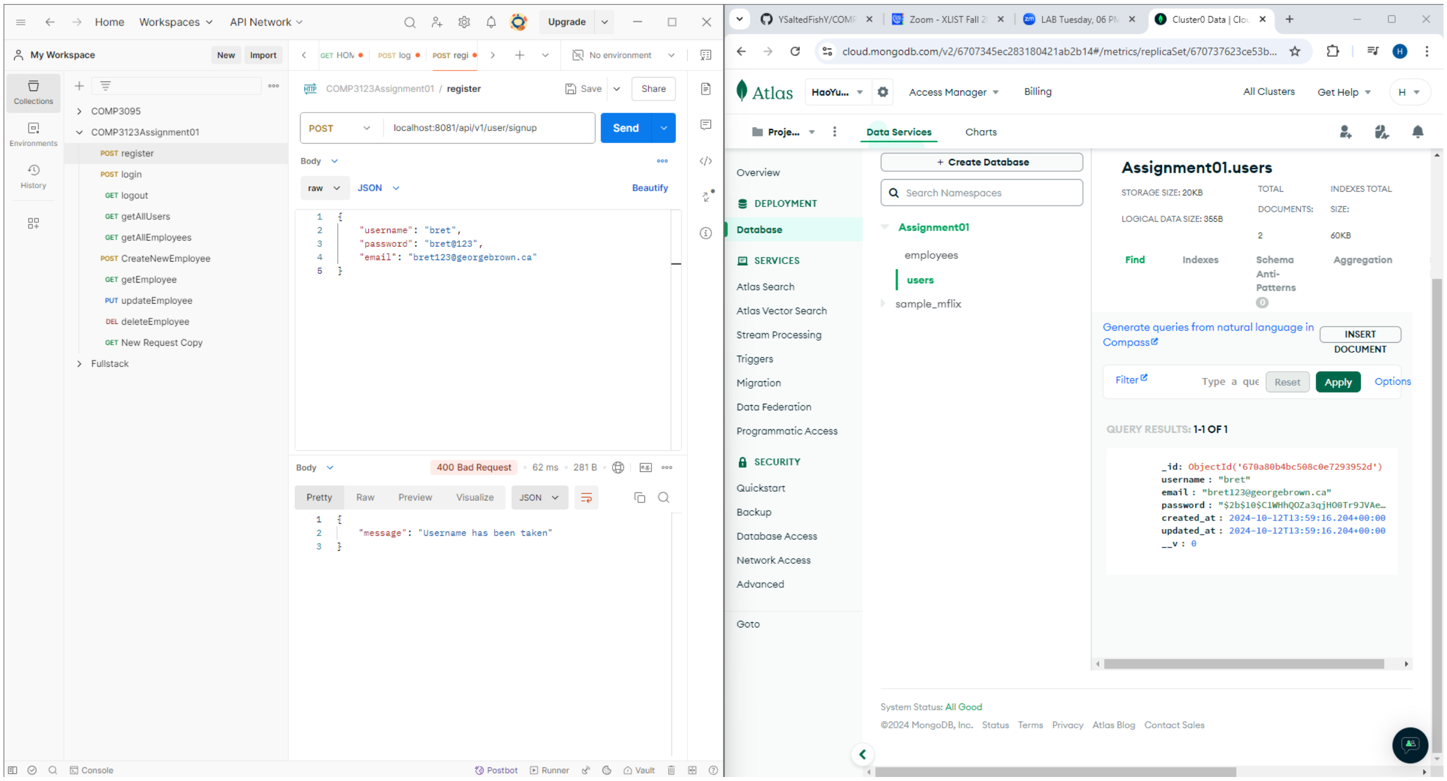
LocalHost test on first 8 pictures, vercel test in Page 5:



COMP3123Assignment01 / register

POST localhost:8081/api/v1/user/signup

```
{
    "username": "bret",
    "password": "bret@123",
    "email": "bret123@georgebrown.ca"
}
```

400 Bad Request · 62 ms · 281 B

```
{
    "message": "Username has been taken"
}
```

cloud.mongodb.com/v2/6707345ec283180421ab2b14#/metrics/replicaSet/670737623ce53b...

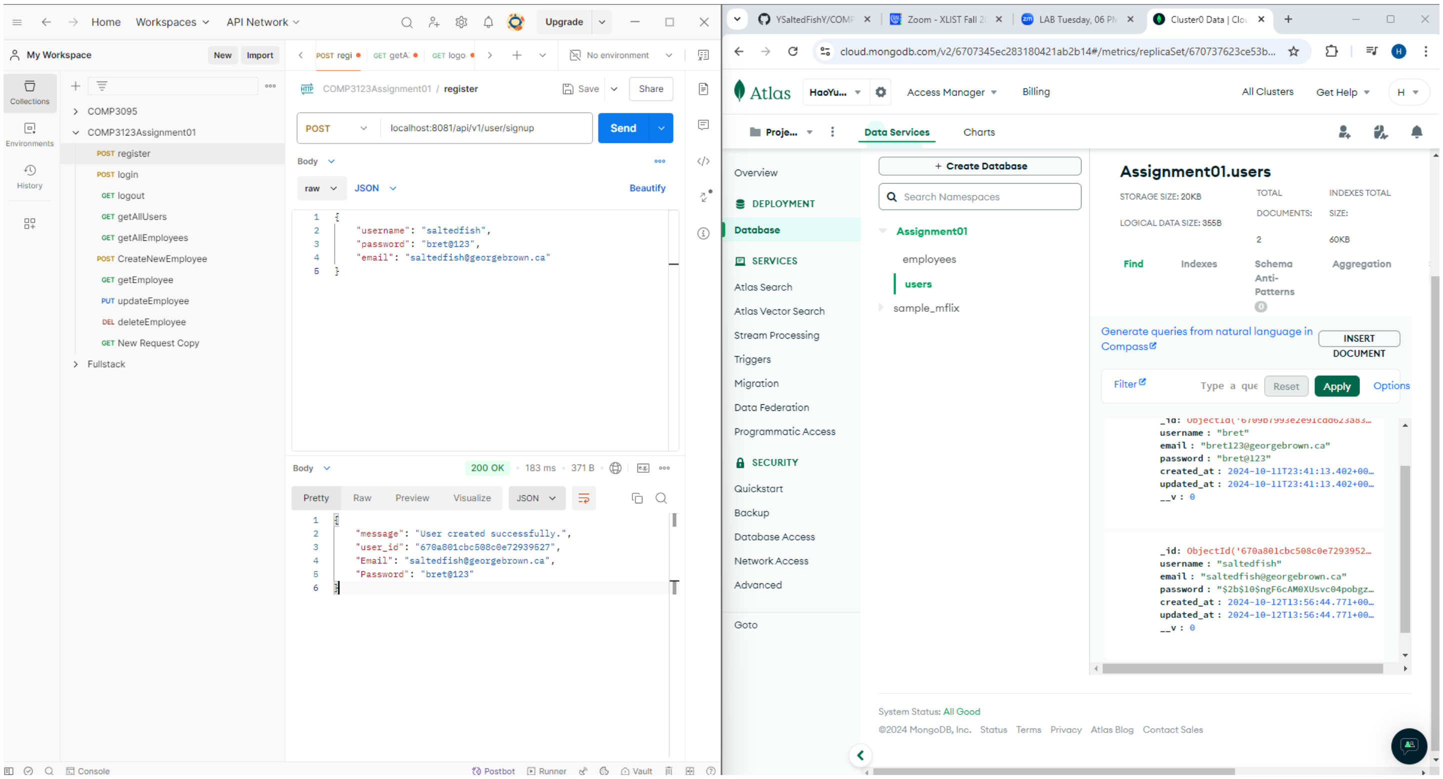
Assignment01.users

STORAGE SIZE: 20KB
LOGICAL DATA SIZE: 355B
TOTAL DOCUMENTS: 2
INDEXES TOTAL SIZE: 60KB

QUERY RESULTS: 1-1 OF 1

```
_id: ObjectId('670a80b4bc508c0e7293952d')
username : "bret"
email : "bret123@georgebrown.ca"
password : "$2b$10$ClWHhQOZa3qjHO0Tr9JVAe…
created_at : 2024-10-12T13:59:16.204+00:00
updated_at : 2024-10-12T13:59:16.204+00:00
__v : 0
```

Figure 1 Sign up 01 checks for existing user



COMP3123Assignment01 / register

POST localhost:8081/api/v1/user/signup

```
{
    "username": "saltedfish",
    "password": "bret@123",
    "email": "saltedfish@georgebrown.ca"
}
```

200 OK · 183 ms · 371 B

```
{
    "message": "User created successfully.",
    "user_id": "670a801cbc508c0e72939527",
    "Email": "saltedfish@georgebrown.ca",
    "Password": "bret@123"
}
```

cloud.mongodb.com/v2/6707345ec283180421ab2b14#/metrics/replicaSet/670737623ce53b...

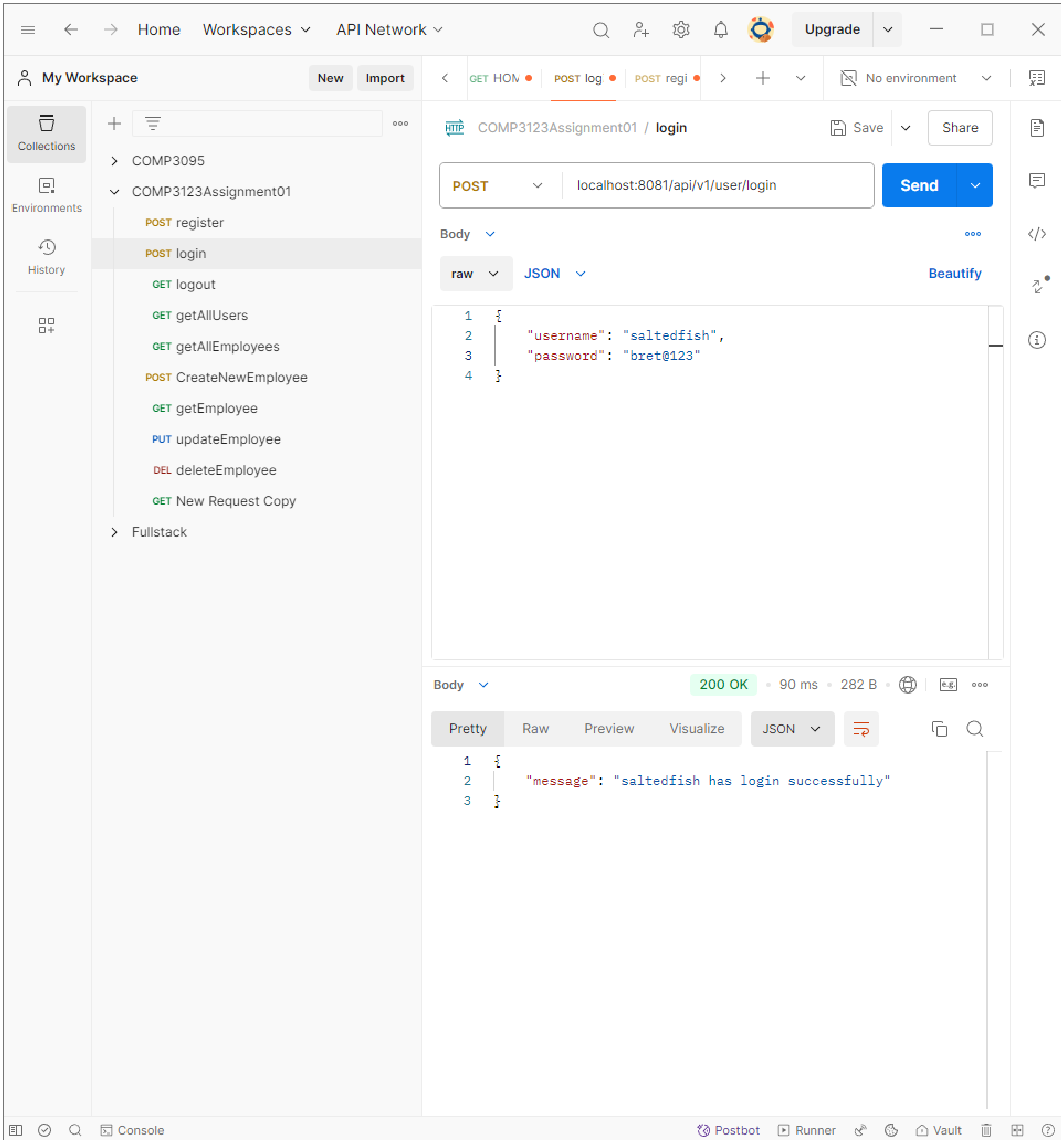
Assignment01.users

STORAGE SIZE: 20KB
LOGICAL DATA SIZE: 355B
TOTAL DOCUMENTS: 2
INDEXES TOTAL SIZE: 60KB

```
_id: ObjectId('6709b7993e2e91cdd623a83…
username : "bret"
email : "bret123@georgebrown.ca"
password : "bret@123"
created_at : 2024-10-11T23:41:13.402+00…
updated_at : 2024-10-11T23:41:13.402+00…
__v : 0

_id: ObjectId('670a801cbc508c0e7293952…
username : "saltedfish"
email : "saltedfish@georgebrown.ca"
password : "$2b$10$ngF6cAM0XUsvc04pobgz…
created_at : 2024-10-12T13:56:44.771+00…
updated_at : 2024-10-12T13:56:44.771+00…
__v : 0
```

Figure 2 Sign up 02 successful passwords hash



POST localhost:8081/api/v1/user/login

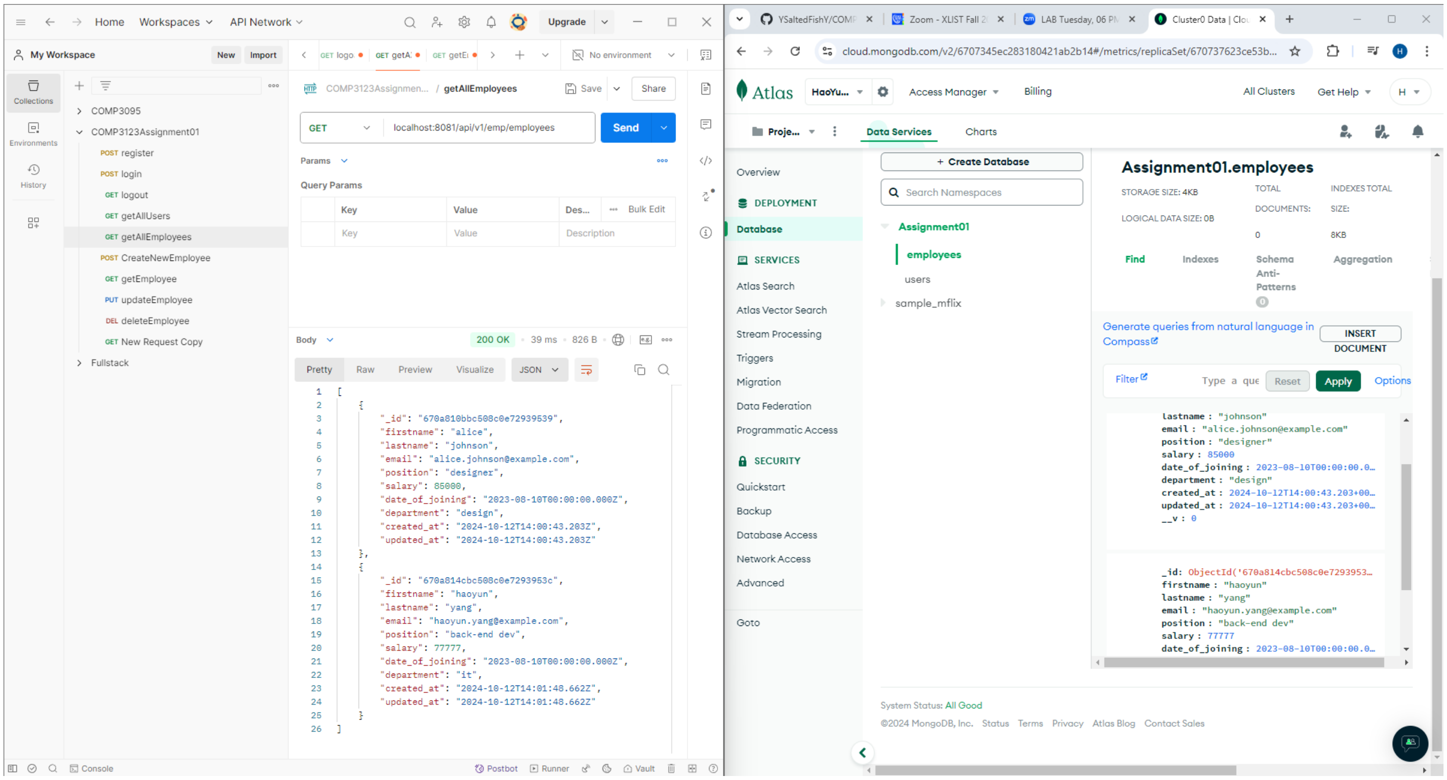
Send

```
{
    "username": "saltedfish",
    "password": "bret@123"
}
```

Body 200 OK • 90 ms • 282 B

```
{
    "message": "saltedfish has login successfully"
}
```

Figure 3 Login success



GET localhost:8081/api/v1/emp/employees

200 OK · 39 ms · 826 B

```
[
    {
        "_id": "670a810bbc508c0e72939539",
        "firstname": "alice",
        "lastname": "johnson",
        "email": "alice.johnson@example.com",
        "position": "designer",
        "salary": 85000,
        "date_of_joining": "2023-08-10T00:00:00.000Z",
        "department": "design",
        "created_at": "2024-10-12T14:00:43.203Z",
        "updated_at": "2024-10-12T14:00:43.203Z"
    },
    {
        "_id": "670a814cbc508c0e7293953c",
        "firstname": "haoyun",
        "lastname": "yang",
        "email": "haoyun.yang@example.com",
        "position": "back-end dev",
        "salary": 77777,
        "date_of_joining": "2023-08-10T00:00:00.000Z",
        "department": "it",
        "created_at": "2024-10-12T14:01:48.662Z",
        "updated_at": "2024-10-12T14:01:48.662Z"
    }
]
```

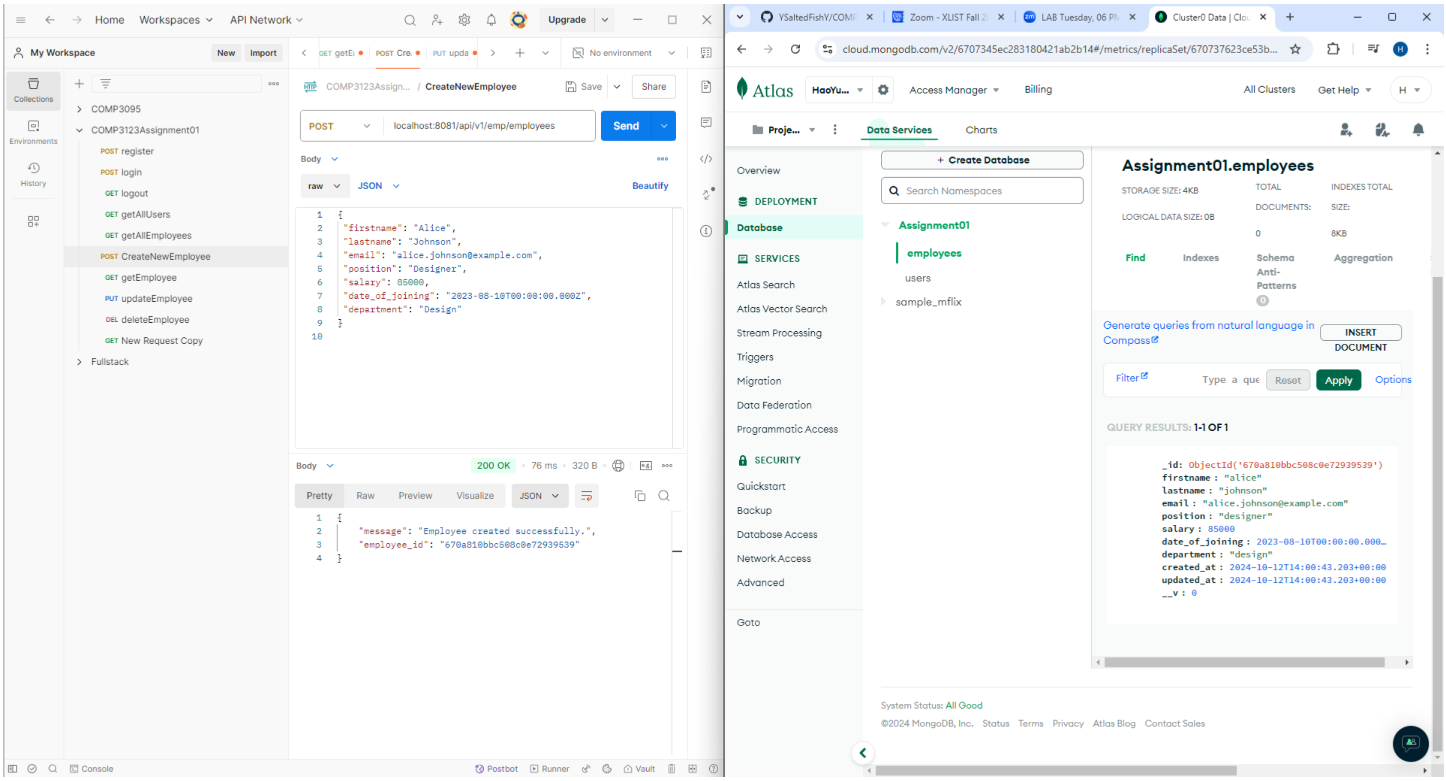
cloud.mongodb.com/v2/6707345ec283180421ab2b14#/metrics/replicaSet/670737623ce53b...

Assignment01.employees

```
lastname : "johnson"
email : "alice.johnson@example.com"
position : "designer"
salary : 85000
date_of_joining : 2023-08-10T00:00:00.0…
department : "design"
created_at : 2024-10-12T14:00:43.203+00…
updated_at : 2024-10-12T14:00:43.203+00…
__v : 0

_id: ObjectId('670a814cbc508c0e7293953…
firstname : "haoyun"
lastname : "yang"
email : "haoyun.yang@example.com"
position : "back-end dev"
salary : 77777
date_of_joining : 2023-08-10T00:00:00.0…
```

Figure 4 Get employee list



POST localhost:8081/api/v1/emp/employees

```
{
 "firstname": "Alice",
 "lastname": "Johnson",
 "email": "alice.johnson@example.com",
 "position": "Designer",
 "salary": 85000,
 "date_of_joining": "2023-08-10T00:00:00.000Z",
 "department": "Design"
}
```

200 OK · 76 ms · 320 B

```
{
    "message": "Employee created successfully.",
    "employee_id": "670a810bbc508c0e72939539"
}
```

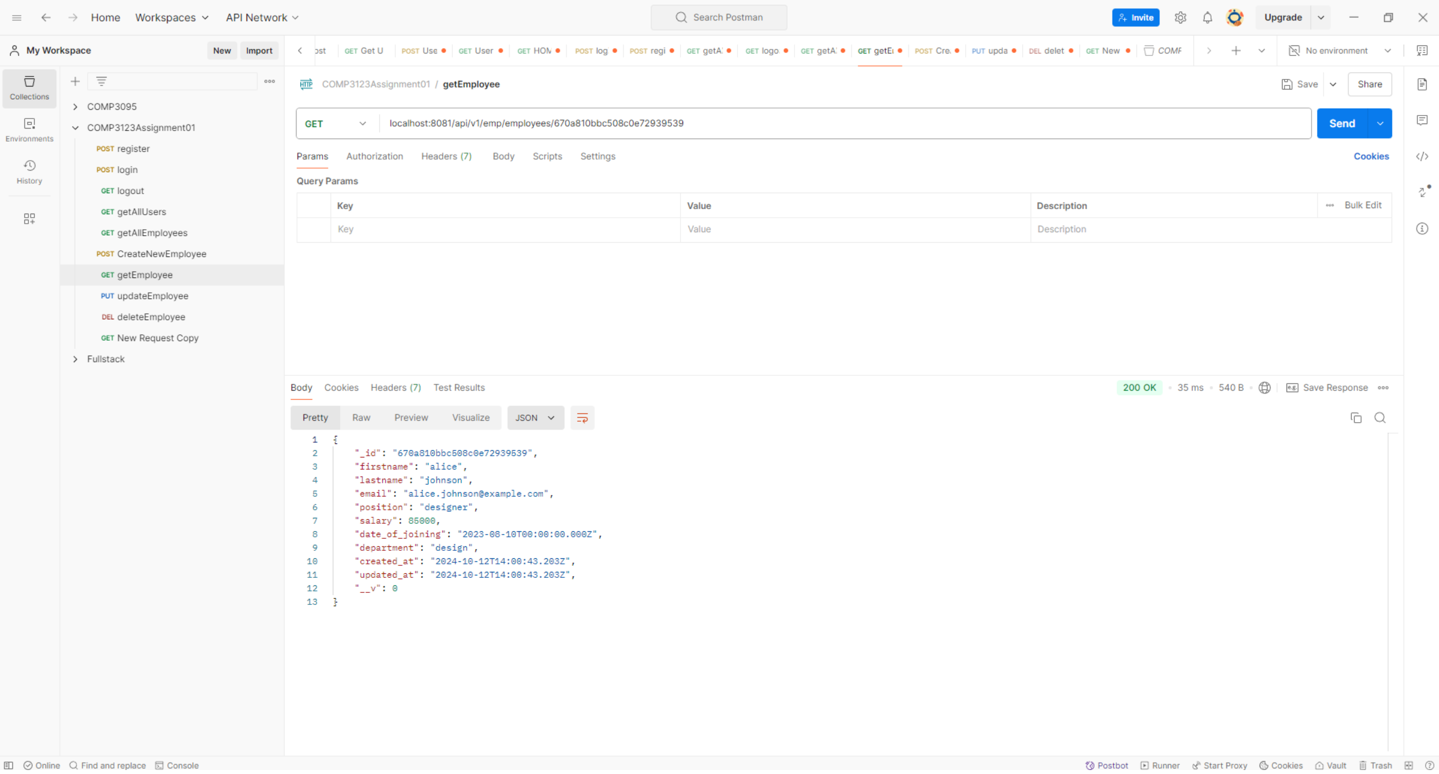
cloud.mongodb.com/v2/6707345ec283180421ab2b14#/metrics/replicaSet/670737623ce53b...

Assignment01.employees

QUERY RESULTS: 1-1 OF 1

```
_id: ObjectId('670a810bbc508c0e72939539')
firstname : "alice"
lastname : "johnson"
email : "alice.johnson@example.com"
position : "designer"
salary : 85000
date_of_joining : 2023-08-10T00:00:00.000…
department : "design"
created_at : 2024-10-12T14:00:43.203+00:00
updated_at : 2024-10-12T14:00:43.203+00:00
__v : 0
```

Figure 5 Create a new employee



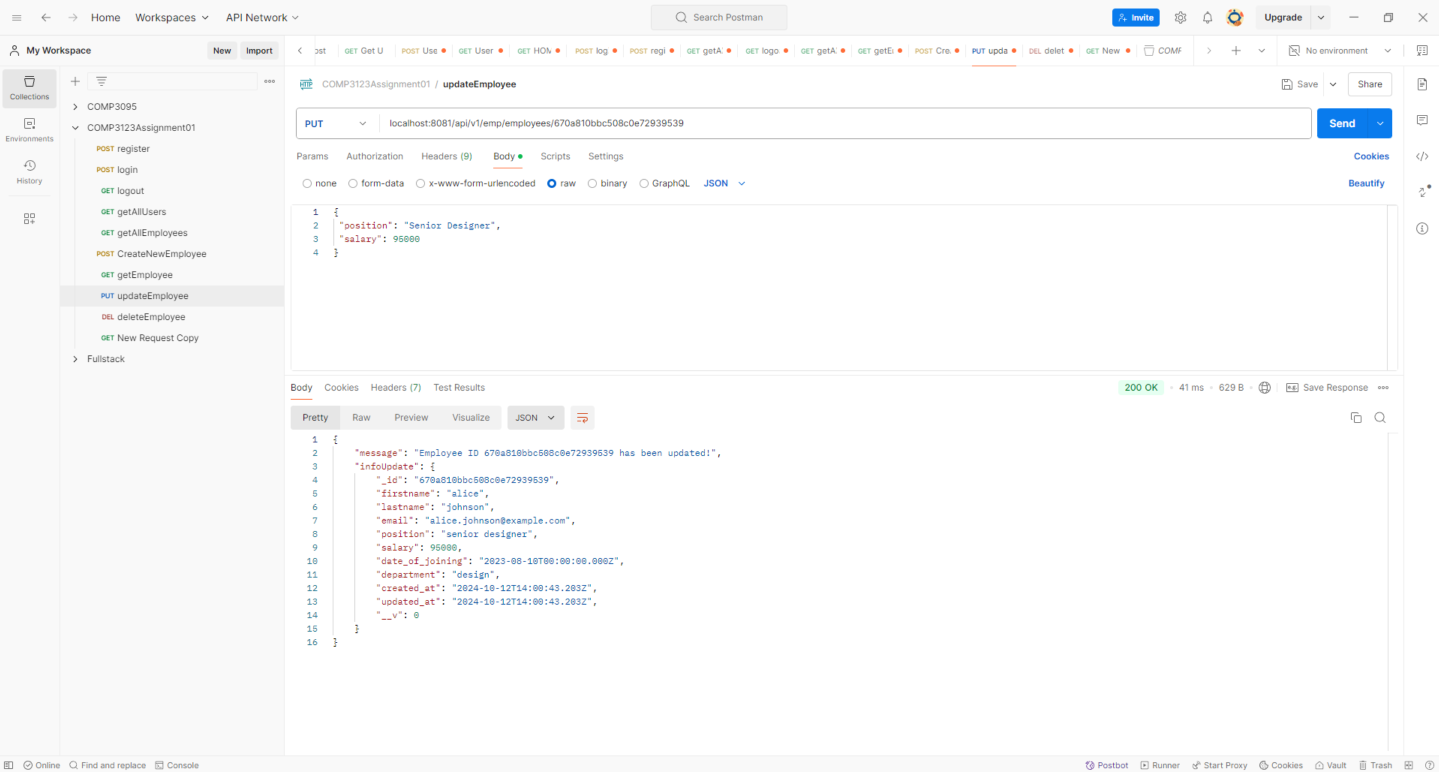
COMP3123Assignment01 / getEmployee

GET localhost:8081/api/v1/emp/employees/670a810bbc508c0e72939539

200 OK · 35 ms · 540 B

```
{
    "_id": "670a810bbc508c0e72939539",
    "firstname": "alice",
    "lastname": "johnson",
    "email": "alice.johnson@example.com",
    "position": "designer",
    "salary": 85000,
    "date_of_joining": "2023-08-10T00:00:00.000Z",
    "department": "design",
    "created_at": "2024-10-12T14:00:43.203Z",
    "updated_at": "2024-10-12T14:00:43.203Z",
    "__v": 0
}
```

Figure 6 Get employee details by id



COMP3123Assignment01 / updateEmployee

PUT localhost:8081/api/v1/emp/employees/670a810bbc508c0e72939539

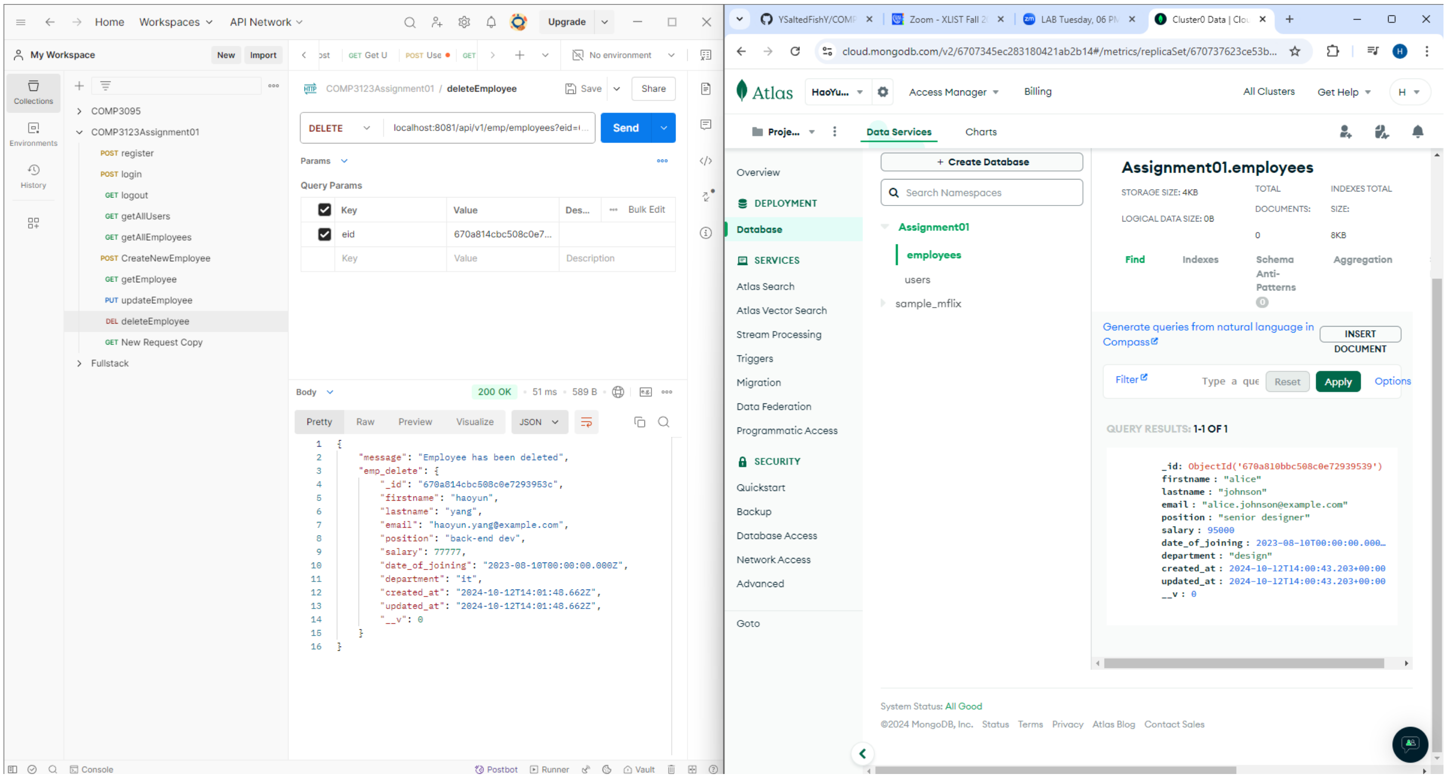
○ none ○ form-data ○ x-www-form-urlencoded ● raw ○ binary ○ GraphQL JSON

```
{
 "position": "Senior Designer",
 "salary": 95000
}
```

200 OK · 41 ms · 629 B

```
{
    "message": "Employee ID 670a810bbc508c0e72939539 has been updated!",
    "infoUpdate": {
        "_id": "670a810bbc508c0e72939539",
        "firstname": "alice",
        "lastname": "johnson",
        "email": "alice.johnson@example.com",
        "position": "senior designer",
        "salary": 95000,
        "date_of_joining": "2023-08-10T00:00:00.000Z",
        "department": "design",
        "created_at": "2024-10-12T14:00:43.203Z",
        "updated_at": "2024-10-12T14:00:43.203Z",
        "__v": 0
    }
}
```

Figure 7 Update employee details by id



COMP3123Assignment01 / deleteEmployee

DELETE localhost:8081/api/v1/emp/employees?eid=...

Query Params

	Key	Value	Description
☑	eid	670a814cbc508c0e7...	

Body 200 OK • 51 ms • 589 B

```
{
    "message": "Employee has been deleted",
    "emp_delete": {
        "_id": "670a814cbc508c0e7293953c",
        "firstname": "haoyun",
        "lastname": "yang",
        "email": "haoyun.yang@example.com",
        "position": "back-end dev",
        "salary": 77777,
        "date_of_joining": "2023-08-10T00:00:00.000Z",
        "department": "it",
        "created_at": "2024-10-12T14:01:48.662Z",
        "updated_at": "2024-10-12T14:01:48.662Z",
        "__v": 0
    }
}
```

Assignment01.employees

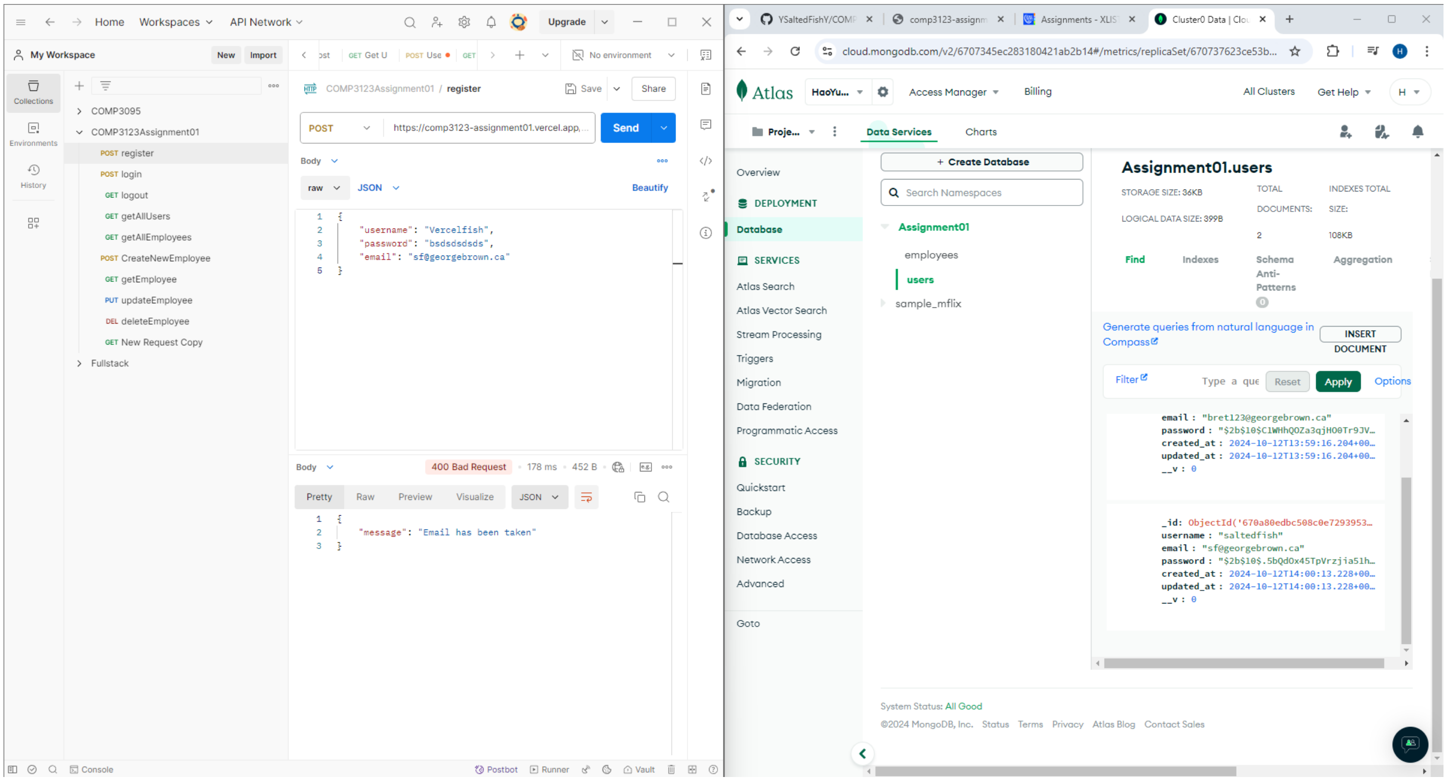
STORAGE SIZE: 4KB LOGICAL DATA SIZE: 0B TOTAL DOCUMENTS: 0 INDEXES TOTAL SIZE: 8KB

QUERY RESULTS: 1-1 OF 1

```
_id: ObjectId('670a810bbc508c0e72939539')
firstname : "alice"
lastname : "johnson"
email : "alice.johnson@example.com"
position : "senior designer"
salary : 95000
date_of_joining : 2023-08-10T00:00:00.000…
department : "design"
created_at : 2024-10-12T14:00:43.203+00:00
updated_at : 2024-10-12T14:00:43.203+00:00
__v : 0
```

Figure 8 Delete Employee by id

Vercel test:



COMP3123Assignment01 / register

POST https://comp3123-assignment01.vercel.app,...

Body raw JSON

```
{
    "username": "Vercelfish",
    "password": "bsdsdsdsds",
    "email": "sf@georgebrown.ca"
}
```

Body 400 Bad Request 178 ms 452 B

```
{
    "message": "Email has been taken"
}
```

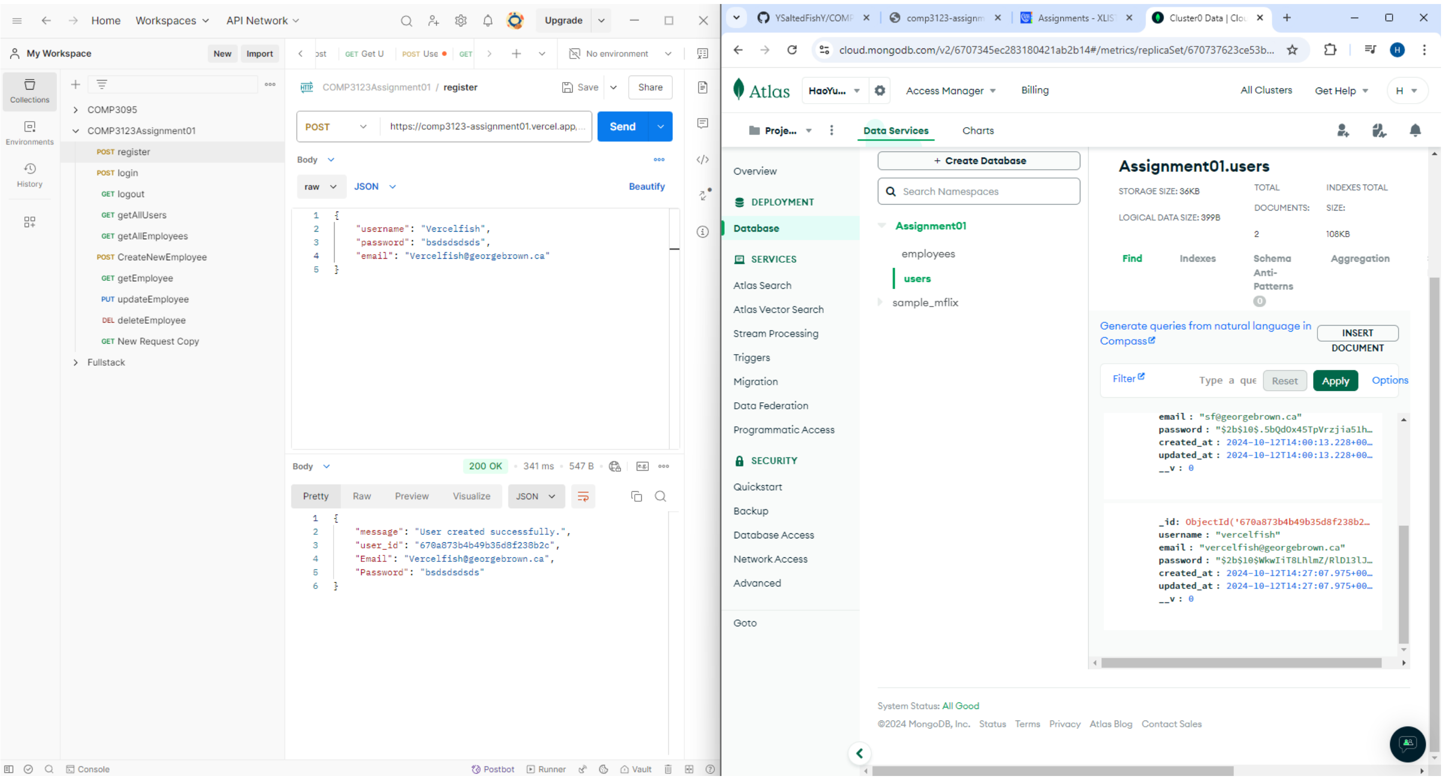
Assignment01.users

STORAGE SIZE: 36KB LOGICAL DATA SIZE: 399B TOTAL DOCUMENTS: 2 INDEXES TOTAL SIZE: 108KB

```
email : "bret123@georgebrown.ca"
password : "$2b$10$C1WHhQOZa3qjHO0Tr9JV…
created_at : 2024-10-12T13:59:16.204+00…
updated_at : 2024-10-12T13:59:16.204+00…
__v : 0
```

```
_id: ObjectId('670a80edbc508c0e7293953…
username : "saltedfish"
email : "sf@georgebrown.ca"
password : "$2b$10$.5bQdOx45TpVrzjia51h…
created_at : 2024-10-12T14:00:13.228+00…
updated_at : 2024-10-12T14:00:13.228+00…
__v : 0
```

Figure 9 Signup duplicate email check



POST https://comp3123-assignment01.vercel.app,...

```
{
    "username": "Vercelfish",
    "password": "bsdsdsdsds",
    "email": "Vercelfish@georgebrown.ca"
}
```

Body 200 OK • 341 ms • 547 B

```
{
    "message": "User created successfully.",
    "user_id": "670a873b4b49b35d8f238b2c",
    "Email": "Vercelfish@georgebrown.ca",
    "Password": "bsdsdsdsds"
}
```

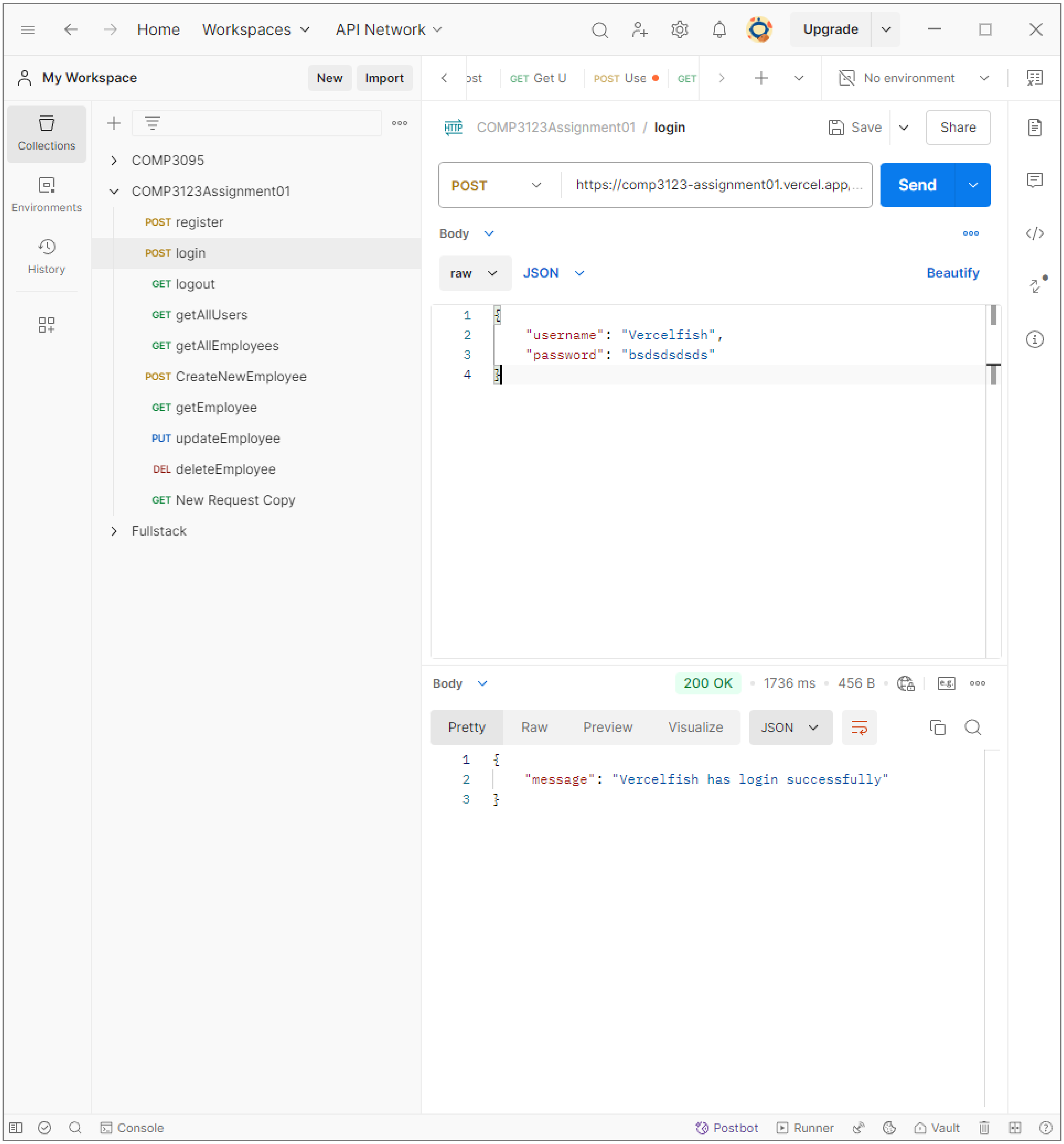
Assignment01.users

STORAGE SIZE: 36KB
LOGICAL DATA SIZE: 399B
TOTAL DOCUMENTS: 2
INDEXES TOTAL SIZE: 108KB

```
email : "sf@georgebrown.ca"
password : "$2b$10$.5bQdOx45TpVrzjia51h…
created_at : 2024-10-12T14:00:13.228+00…
updated_at : 2024-10-12T14:00:13.228+00…
__v : 0

_id: ObjectId('670a873b4b49b35d8f238b2…
username : "vercelfish"
email : "vercelfish@georgebrown.ca"
password : "$2b$10$WkwIiT8LhlmZ/RlD13lJ…
created_at : 2024-10-12T14:27:07.975+00…
updated_at : 2024-10-12T14:27:07.975+00…
__v : 0
```

Figure 10 Vercel signup success



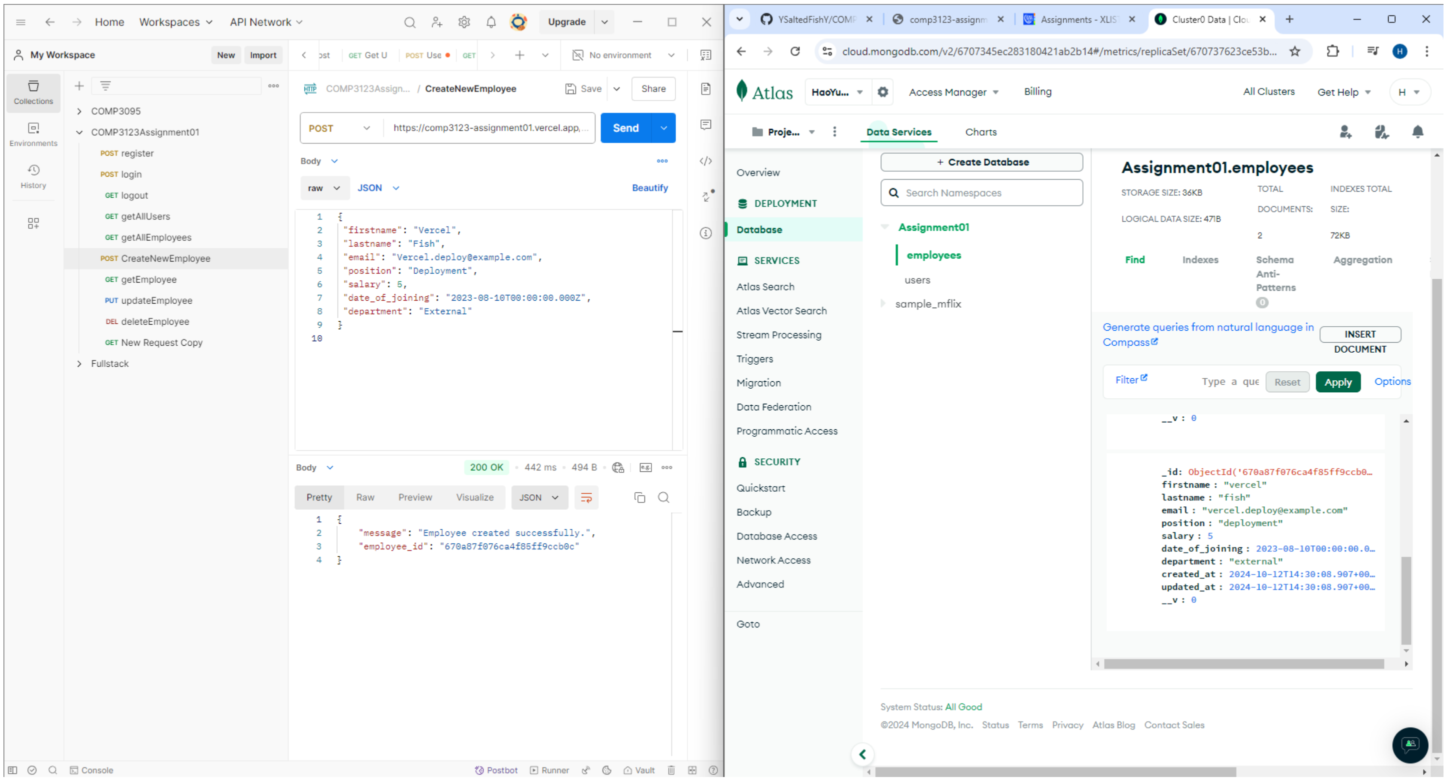
POST https://comp3123-assignment01.vercel.app,...

```
{
    "username": "Vercelfish",
    "password": "bsdsdsdsds"
}
```

200 OK • 1736 ms • 456 B

```
{
    "message": "Vercelfish has login successfully"
}
```

Figure 11 Vercel login success



POST https://comp3123-assignment01.vercel.app,...

```
{
 "firstname": "Vercel",
 "lastname": "Fish",
 "email": "Vercel.deploy@example.com",
 "position": "Deployment",
 "salary": 5,
 "date_of_joining": "2023-08-10T00:00:00.000Z",
 "department": "External"
}
```

200 OK · 442 ms · 494 B

```
{
    "message": "Employee created successfully.",
    "employee_id": "670a87f076ca4f85ff9ccb0c"
}
```

cloud.mongodb.com/v2/6707345ec283180421ab2b14#/metrics/replicaSet/670737623ce53b...

Assignment01.employees

STORAGE SIZE: 36KB LOGICAL DATA SIZE: 471B TOTAL DOCUMENTS: 2 INDEXES TOTAL SIZE: 72KB

```
_id: ObjectId('670a87f076ca4f85ff9ccb0…
firstname : "vercel"
lastname : "fish"
email : "vercel.deploy@example.com"
position : "deployment"
salary : 5
date_of_joining : 2023-08-10T00:00:00.0…
department : "external"
created_at : 2024-10-12T14:30:08.907+00…
updated_at : 2024-10-12T14:30:08.907+00…
__v : 0
```

System Status: All Good

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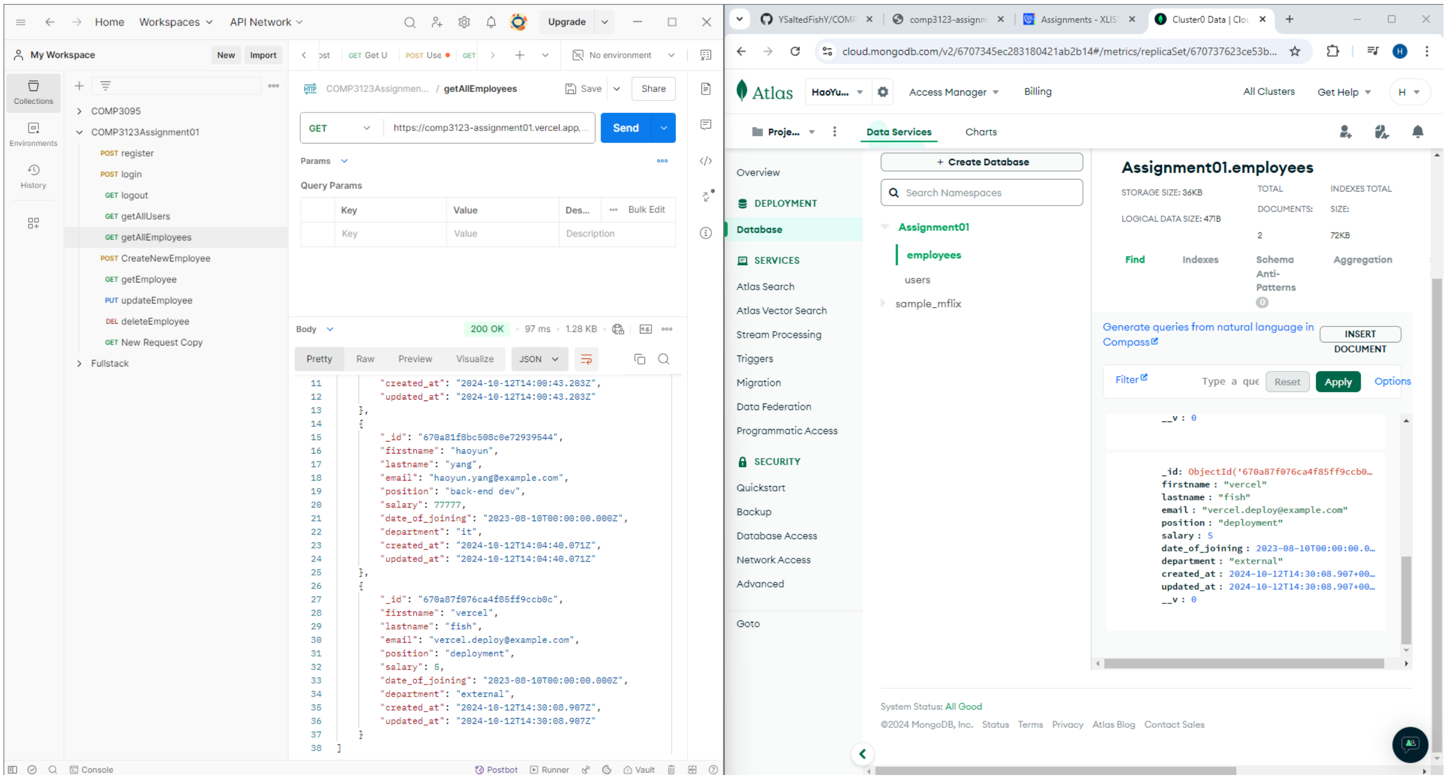
Figure 12 Vercel create new employee



GET https://comp3123-assignment01.vercel.app,...

200 OK · 97 ms · 1.28 KB

```
        "created_at": "2024-10-12T14:00:43.203Z",
        "updated_at": "2024-10-12T14:00:43.203Z"
    },
    {
        "_id": "670a81f8bc508c0e72939544",
        "firstname": "haoyun",
        "lastname": "yang",
        "email": "haoyun.yang@example.com",
        "position": "back-end dev",
        "salary": 77777,
        "date_of_joining": "2023-08-10T00:00:00.000Z",
        "department": "it",
        "created_at": "2024-10-12T14:04:40.071Z",
        "updated_at": "2024-10-12T14:04:40.071Z"
    },
    {
        "_id": "670a87f076ca4f85ff9ccb0c",
        "firstname": "vercel",
        "lastname": "fish",
        "email": "vercel.deploy@example.com",
        "position": "deployment",
        "salary": 5,
        "date_of_joining": "2023-08-10T00:00:00.000Z",
        "department": "external",
        "created_at": "2024-10-12T14:30:08.907Z",
        "updated_at": "2024-10-12T14:30:08.907Z"
    }
]
```

Assignment01.employees

STORAGE SIZE: 36KB LOGICAL DATA SIZE: 471B TOTAL DOCUMENTS: 2 INDEXES TOTAL SIZE: 72KB

```
_id: ObjectId('670a87f076ca4f85ff9ccb0…
firstname : "vercel"
lastname : "fish"
email : "vercel.deploy@example.com"
position : "deployment"
salary : 5
date_of_joining : 2023-08-10T00:00:00.0…
department : "external"
created_at : 2024-10-12T14:30:08.907+00…
updated_at : 2024-10-12T14:30:08.907+00…
__v : 0
```

System Status: All Good

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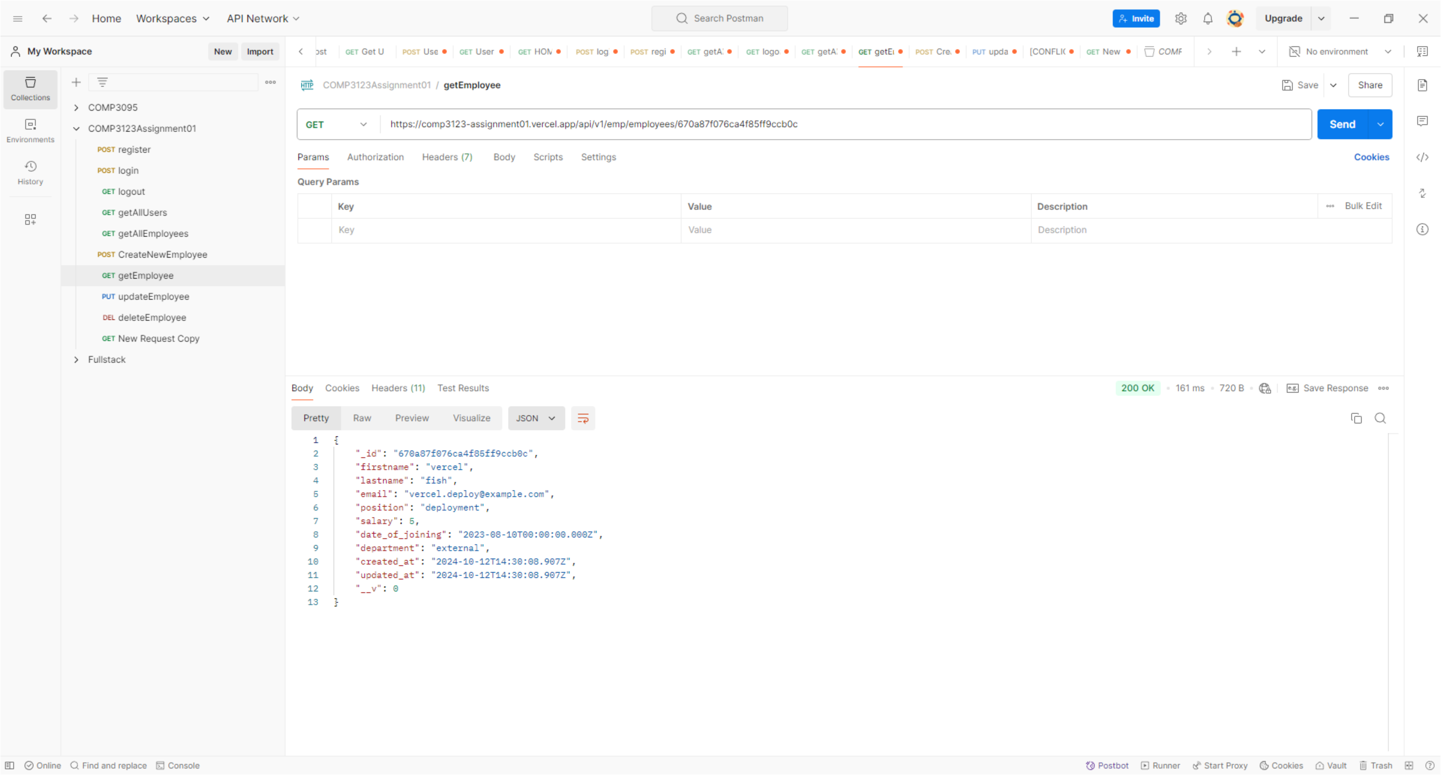
Figure 13 Vercel get Employee list



COMP3123Assignment01 / getEmployee

GET https://comp3123-assignment01.vercel.app/api/v1/emp/employees/670a87f076ca4f85ff9ccb0c

Params | Authorization | Headers (7) | Body | Scripts | Settings

Query Params

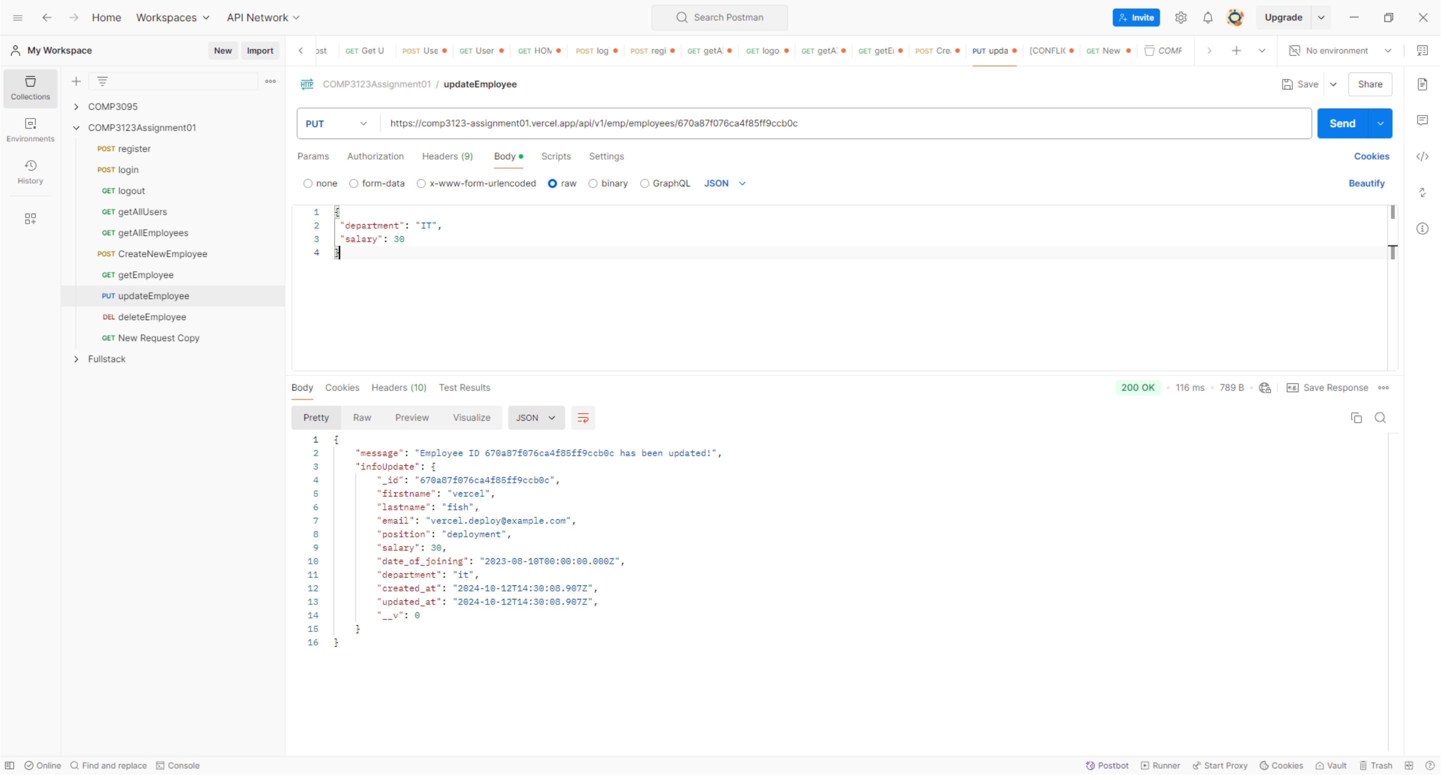
Key	Value	Description
Key	Value	Description

Body | Cookies | Headers (11) | Test Results — 200 OK · 161 ms · 720 B

Pretty | Raw | Preview | Visualize | JSON

```
{
    "_id": "670a87f076ca4f85ff9ccb0c",
    "firstname": "vercel",
    "lastname": "fish",
    "email": "vercel.deploy@example.com",
    "position": "deployment",
    "salary": 5,
    "date_of_joining": "2023-08-10T00:00:00.000Z",
    "department": "external",
    "created_at": "2024-10-12T14:30:08.907Z",
    "updated_at": "2024-10-12T14:30:08.907Z",
    "__v": 0
}
```

Figure 14 Vercel get employee detail by ID



COMP3123Assignment01 / updateEmployee

PUT https://comp3123-assignment01.vercel.app/api/v1/emp/employees/670a87f076ca4f85ff9ccb0c

Params | Authorization | Headers (9) | Body ● | Scripts | Settings

○ none ○ form-data ○ x-www-form-urlencoded ● raw ○ binary ○ GraphQL JSON

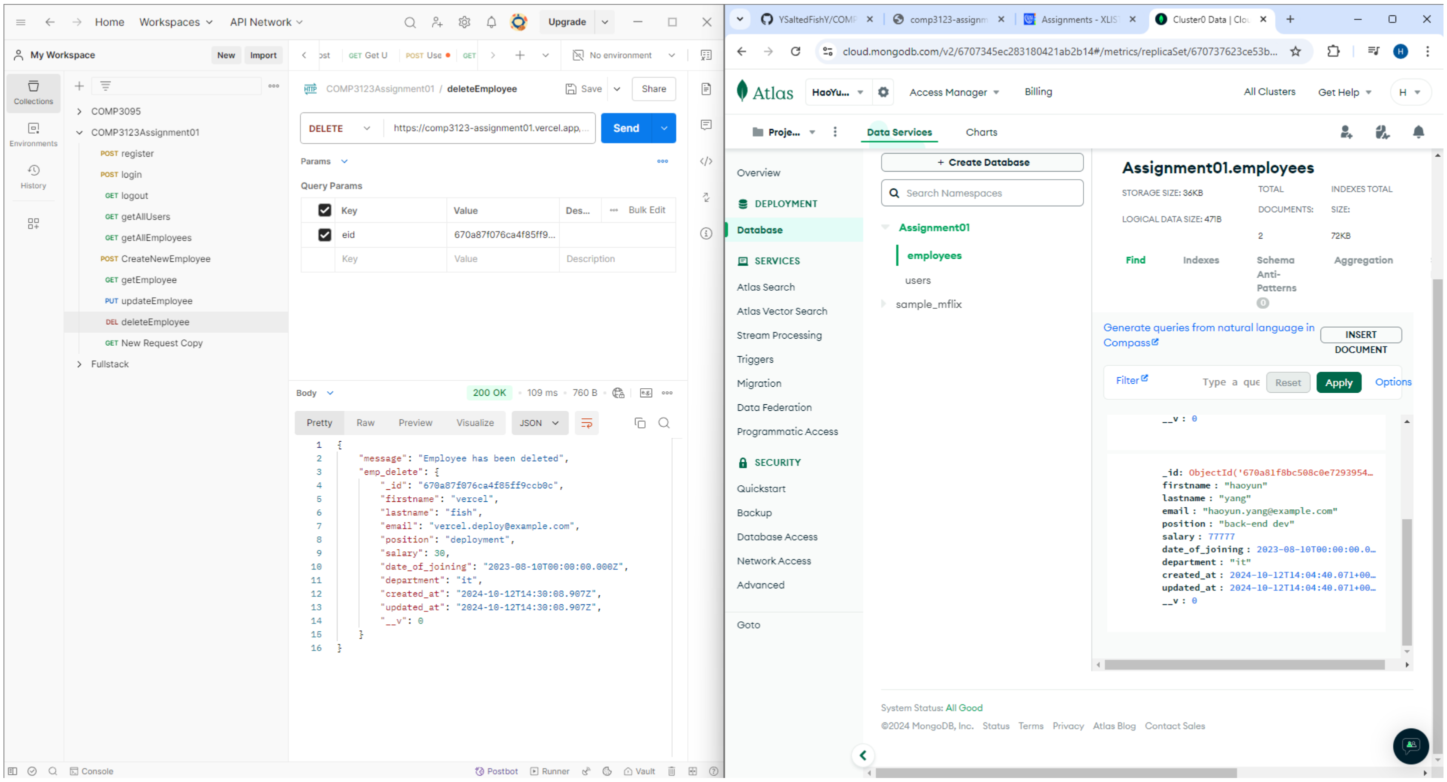
```
{
 "department": "IT",
 "salary": 30
}
```

Body | Cookies | Headers (10) | Test Results — 200 OK · 116 ms · 789 B

Pretty | Raw | Preview | Visualize | JSON

```
{
    "message": "Employee ID 670a87f076ca4f85ff9ccb0c has been updated!",
    "infoUpdate": {
        "_id": "670a87f076ca4f85ff9ccb0c",
        "firstname": "vercel",
        "lastname": "fish",
        "email": "vercel.deploy@example.com",
        "position": "deployment",
        "salary": 30,
        "date_of_joining": "2023-08-10T00:00:00.000Z",
        "department": "it",
        "created_at": "2024-10-12T14:30:08.907Z",
        "updated_at": "2024-10-12T14:30:08.907Z",
        "__v": 0
    }
}
```

Figure 15 Vercel update employee details by ID



COMP3123Assignment01 / deleteEmployee

DELETE https://comp3123-assignment01.vercel.app,...

Query Params

	Key	Value	Des...
☑	eid	670a87f076ca4f85ff9...	
	Key	Value	Description

200 OK · 109 ms · 760 B

```
{
    "message": "Employee has been deleted",
    "emp_delete": {
        "_id": "670a87f076ca4f85ff9ccb0c",
        "firstname": "vercel",
        "lastname": "fish",
        "email": "vercel.deploy@example.com",
        "position": "deployment",
        "salary": 30,
        "date_of_joining": "2023-08-10T00:00:00.000Z",
        "department": "it",
        "created_at": "2024-10-12T14:30:08.907Z",
        "updated_at": "2024-10-12T14:30:08.907Z",
        "__v": 0
    }
}
```

cloud.mongodb.com/v2/6707345ec283180421ab2b14#/metrics/replicaSet/670737623ce53b...

Assignment01.employees

STORAGE SIZE: 36KB
LOGICAL DATA SIZE: 471B
TOTAL DOCUMENTS: 2
INDEXES TOTAL SIZE: 72KB

```
__v : 0

_id: ObjectId('670a81f8bc508c0e7293954…
firstname : "haoyun"
lastname : "yang"
email : "haoyun.yang@example.com"
position : "back-end dev"
salary : 77777
date_of_joining : 2023-08-10T00:00:00.0…
department : "it"
created_at : 2024-10-12T14:04:40.071+00…
updated_at : 2024-10-12T14:04:40.071+00…
__v : 0
```

Figure 16 Vercel Delete Employee by id