

Mongodb database

The screenshot shows the MongoDB Atlas Data Services interface. On the left, the sidebar includes sections for Overview, DATABASE, Clusters, SERVICES, and SECURITY. The main area displays the 'Cluster0' database with two collections: 'employees' and 'users'. The 'employees' collection is selected, showing 2 documents with the following data:

```
_id: ObjectId('68e892d29848964f373a7b68')
first_name: "Jane"
last_name: "Doe"
email: "jane.doe@example.com"
position: "Software Engineer"
salary: 98000
date_of_joining: 2023-08-01T00:00:00.000+00:00
department: "Engineering"
createdAt: 2023-10-10T05:00:02.642+00:00
updatedAt: 2023-10-10T05:00:02.642+00:00
__v: 0

_id: ObjectId('68e892d29848964f373a7b67')
first_name: "Alice"
last_name: "Johnson"
email: "alice.johnson@example.com"
position: "Senior Designer"
salary: 120000
date_of_joining: 2023-08-10T00:00:00.000+00:00
department: "Design"
createdAt: 2023-10-10T05:59:03.235+00:00
updatedAt: 2023-10-10T06:17:05.958+00:00
__v: 0
```

The screenshot shows the MongoDB Atlas Data Services interface. The left sidebar is identical to the first screenshot. The main area displays the 'Cluster0' database with two collections: 'employees' and 'users'. The 'users' collection is selected, showing 1 document with the following data:

```
_id: ObjectId('68e8922b9840964f373a7b63')
username: "johndoe"
email: "johndoe@example.com"
password: "1234567890AbCDeFgH!@"
createdAt: 2023-10-10T04:57:15.057+00:00
updatedAt: 2023-10-10T04:57:15.057+00:00
__v: 0
```

Users (signup/login)

The screenshot shows a POST request to `/api/v1/user/signup`. The request body contains the following JSON:

```
1  {  
2      "username": "johndoe",  
3      "email": "johndoe@example.com",  
4      "password": "password123"  
5  }
```

The response status is **201 Created**, with a response time of 299 ms and a response size of 331 B. The response body is:

```
1  {  
2      "status": true,  
3      "message": "User created successfully.",  
4      "user_id": "68e8922b9840964f373a7b63"  
5  }
```

The screenshot shows a POST request to `/api/v1/user/login`. The request body contains the following JSON:

```
1  {  
2      "username": "johndoe",  
3      "password": "password123"  
4  }
```

The response status is **200 OK**, with a response time of 56 ms and a response size of 318 B. The response body is:

```
1  {  
2      "status": true,  
3      "message": "Login successful.",  
4      "jwt_token": "Optional implementation"  
5  }
```

Employees(getAllEmployees, createEmployee, getEmployeeById)

Assignment1 / api/v1/emp/employees

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GET http://localhost:3000/api/v1/emp/employees

Params Authorization Headers (7) Body Scripts Settings Cookies

Query Params

Key	Value	Description	Bulk Edit
Key	Value	Description	...

Body Cookies Headers (7) Test Results | [Send](#)

{ } JSON Preview Visualization

```
1 {  
2   "status": true,  
3   "data": [  
4     {  
5       "employee_id": "68e892d29840964f373a7b68",  
6       "first_name": "Jane",  
7       "last_name": "Doe",  
8       "email": "jane.doe@example.com",  
9       "position": "Software Engineer",  
10      "salary": 90000,  
11      "date_of_joining": "2023-08-01T00:00:00.000Z",  
12      "department": "Engineering"  
13    },  
14    {  
15      "employee_id": "68e892eb9840964f373a7b6e",  
16      "first_name": "Alice",  
17      "last_name": "Johnson",  
18      "email": "alice.johnson@example.com",  
19      "position": "Designer",  
20      "salary": 85000,  
21      "date_of_joining": "2023-08-10T00:00:00.000Z",  
22      "department": "Design"  
23    }  
24  ]  
25 }
```

200 OK 14 ms 717 B Save Response

Assignment1 / api/v1/emp/employees (2)

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POST http://localhost:3000/api/v1/emp/employees

Params Authorization Headers (9) Body Scripts Settings Cookies

Body

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

```
1 {  
2   "first_name": "Alice",  
3   "last_name": "Johnson",  
4   "email": "alice.johnson@example.com",  
5   "position": "Designer",  
6   "salary": 85000,  
7   "date_of_joining": "2023-08-10T00:00:00.000Z",  
8   "department": "Design"  
9 }
```

Body Cookies Headers (7) Test Results | [Send](#)

{ } JSON Preview Visualization

```
1 {  
2   "status": true,  
3   "message": "Employee created successfully.",  
4   "employee_id": "68e892eb9840964f373a7b6e"  
5 }
```

201 Created 30 ms 339 B Save Response

Assignment1 / api/v1/emp/employees/{eid}

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GET http://localhost:3000/api/v1/emp/employees/68e892eb9840964f373a7b6e

Params Authorization Headers (7) Body Scripts Settings Cookies

Query Params

Key	Value	Description	Bulk Edit
Key	Value	Description	...

Body Cookies Headers (7) Test Results | [Send](#)

{ } JSON Preview Visualization

```
1 {  
2   "status": true,  
3   "data": [  
4     {  
5       "employee_id": "68e892eb9840964f373a7b6e",  
6       "first_name": "Alice",  
7       "last_name": "Johnson",  
8       "email": "alice.johnson@example.com",  
9       "position": "Designer",  
10      "salary": 85000,  
11      "date_of_joining": "2023-08-10T00:00:00.000Z",  
12      "department": "Design"  
13    }  
14  ]  
15 }
```

200 OK 15 ms 484 B Save Response

Employees(updateEmployee, deleteEmployee)

The screenshot shows a POST request to `http://localhost:3000/api/v1/emp/employees/68e892eb9840964f373a7b6e`. The Body tab contains the following JSON:

```
1 {
2     "position": "Senior Designer",
3     "salary": 95000
4 }
```

The response status is **200 OK** with a response time of 24 ms, 301 B, and a message body:

```
1 {
2     "status": true,
3     "message": "Employee details updated successfully."
4 }
```

The screenshot shows a DELETE request to `http://localhost:3000/api/v1/emp/employees?eid=xxx`. The Params tab shows a query parameter `eid` with value `68e892eb9840964f373a7b6e`.

The response status is **204 No Content** with a response time of 21 ms, 134 B, and a message body:

```
1
```

Example of error validation (request body)

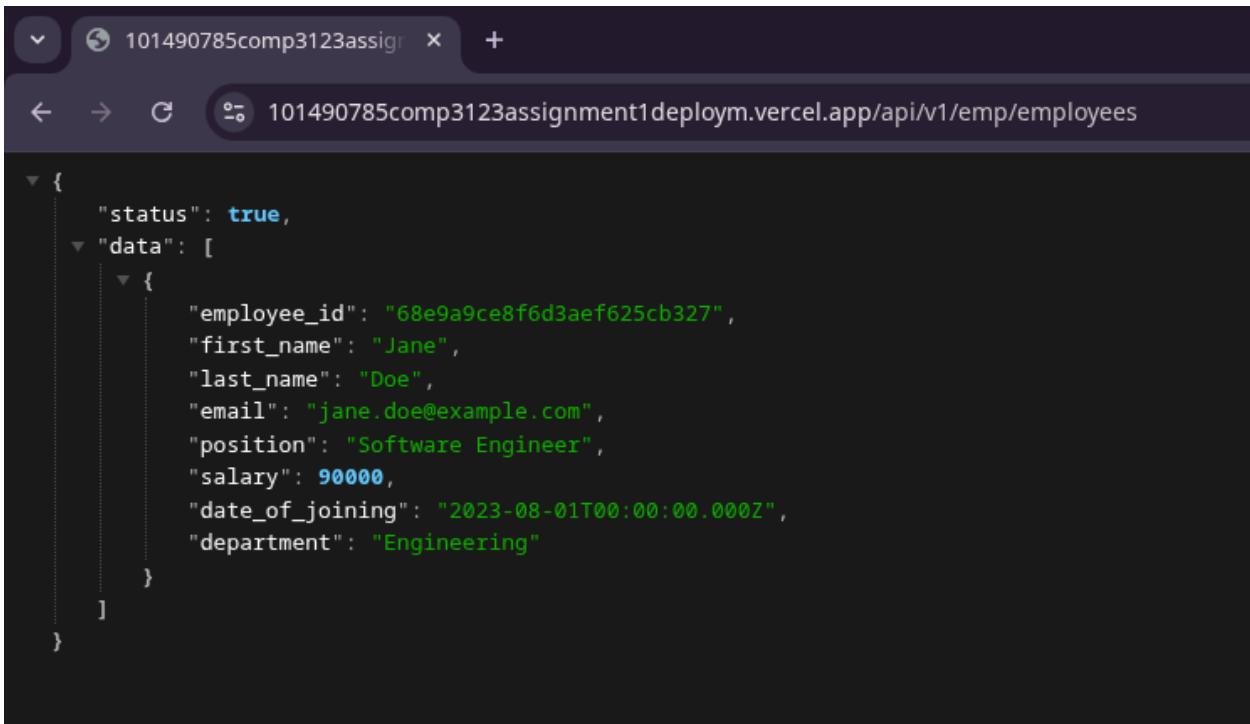
The screenshot shows a POST request to `http://localhost:3000/api/v1/emp/employees`. The Body tab contains the following JSON:

```
1 {
2     "first_name": "Alice",
3     "last_name": "Johnson",
4     "email": "alice.johnson@example.com",
5     "position": "Designer",
6     "salary": -85000,
7     "date_of_joining": "2023-08-19T00:00:00Z",
8     "department": "Design"
9 }
```

The response status is **400 Bad Request** with a response time of 3 ms, 473 B, and a detailed error message body:

```
1 {
2     "status": false,
3     "message": "Invalid user entry",
4     "errors": [
5         {
6             "type": "field",
7             "msg": "Salary is required",
8             "path": "salary",
9             "location": "body"
10        },
11        {
12            "type": "field",
13            "msg": "Salary must be a positive number",
14            "path": "salary",
15            "location": "body"
16        }
17    ]
18 }
```

Proof that deployment works



A screenshot of a web browser window displaying a JSON response. The URL in the address bar is `101490785comp3123assignment1deplom.vercel.app/api/v1/emp/employees`. The response is a single object with two properties: "status" and "data". The "status" property is set to `true`. The "data" property is an array containing one element, which is another object representing an employee. The employee has the following fields: employee_id, first_name, last_name, email, position, salary, date_of_joining, and department. The employee's ID is `68e9a9ce8f6d3aef625cb327`, first name is `Jane`, last name is `Doe`, email is `jane.doe@example.com`, position is `Software Engineer`, salary is `90000`, date of joining is `2023-08-01T00:00:00.000Z`, and department is `Engineering`.

```
{  
  "status": true,  
  "data": [  
    {  
      "employee_id": "68e9a9ce8f6d3aef625cb327",  
      "first_name": "Jane",  
      "last_name": "Doe",  
      "email": "jane.doe@example.com",  
      "position": "Software Engineer",  
      "salary": 90000,  
      "date_of_joining": "2023-08-01T00:00:00.000Z",  
      "department": "Engineering"  
    }  
  ]  
}
```