



Assignment-1 COMP-3133 / user login

POST http://localhost:5000/graphql Send

Params Authorization Headers (8) Body Scripts Settings Cookies

none form-data x-www-form-urlencoded raw binary GraphQL Auto Fetch Schema Fetched

QUERY

```
1 query {
2   login(username: "imark", password: "Password@123") {
3     token
4     user {
5       id
6       username
7       email
8     }
9   }
}
```

GRAPHQL VARIABLES

1

Body Cookies Headers (8) Test Results 200 OK • 172 ms • 557 B Save Response

{ } JSON Preview Visualize

```
1 {
2   "data": {
3     "login": {
4       "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6IjY3YTkwZjQwODdmNmY0N2E2ZGRlZmVmNSIsIm1hdCI6MTczOTEzNjYxMywiZXhwIjoxNzMTQwNTEzZfQ.XDbL-TH6LIQbbhUTfMAK_CV0pft21DpSSSugg8Xu638",
5       "user": {
6         "id": "67a91f4087f6f47a6ddefef5",
7         "username": "imark",
8         "email": "mark@gmail.com"
9       }
10    }
11  }
12 }
```

### 3) User Database:

comp3133\_\_101415117\_assignment1.users

STORAGE SIZE: 36KB LOGICAL DATA SIZE: 589B TOTAL DOCUMENTS: 3 INDEXES TOTAL SIZE: 108KB

Find Indexes Schema Anti-Patterns Aggregation Search Indexes

Generate queries from natural language in Compass INSERT DOCUMENT

Filter Type a query: { field: 'value' } Reset Apply Options

QUERY RESULTS: 1-2 OF 2

```
_id: ObjectId('67a913a947638966d69c2f27')
username: "ico"
email: "ico@example.com"
password: "$2a$10$APeWv4YmWxHBSBWZn3RI3.BkkMTCVgMBXW6wt6T8gkgjDv8mf8lEK"
created_at: 2025-02-09T20:44:25.257+00:00
updated_at: 2025-02-09T20:44:25.257+00:00
__v: 0
```

```
_id: ObjectId('67a91f4087f6f47a6ddefef5')
username: "imark"
email: "mark@gmail.com"
password: "$2a$10$.86eU8Yriri5v14N3EFUJeV7N4cCg4xAV4TYDQPMWIAWN5u0pUuq"
created_at: 2025-02-09T21:22:52.228+00:00
```

### 4) Add Employee Protected JWT Token Required Authorized -Mutation

Assignmnet-1 COMP-3133 / **add employee**

POST http://localhost:5000/graphql

Params Authorization Headers (9) Body Scripts Settings Cookies

none form-data x-www-form-urlencoded raw binary GraphQL Auto Fetch Schema Fetched

QUERY

```

1 mutation {
2   addEmployee(
3     first_name: "melina"
4     last_name: "hazeri"
5     email: "melina@gmail.com"
6     gender: "Female"
7     designation: "devops"
8     salary: 88000.00
9     date_of_joining: "2023-09-11"
10    department: "CICD"
11  )
12 }

```

GRAPHQL VARIABLES

200 OK • 139 ms • 428 B • Save Response

Body Cookies Headers (8) Test Results Visualize

```

1 {
2   "data": {
3     "addEmployee": {
4       "id": "67a9207987f6f47a6ddefeb",
5       "first_name": "melina",
6       "last_name": "hazeri",
7       "email": "melina@gmail.com",
8       "employee_photo": "melina.jpeg"
9     }
10  }
11 }

```

Postbot Ctrl Alt P

## 5) Update Employee Protected JWT Token Required Authorized - Mutation

Assignmnet-1 COMP-3133 / **employee update**

POST http://localhost:5000/graphql

Params Authorization Headers (9) Body Scripts Settings Cookies

none form-data x-www-form-urlencoded raw binary GraphQL Auto Fetch Schema Fetched

QUERY

```

1 mutation {
2   updateEmployee(
3     id: "67a9207987f6f47a6ddefeb"
4     first_name: "Melian"
5     salary: 89999.00
6   ) {
7     id
8     first_name
9     salary
10  }
11 }

```

GRAPHQL VARIABLES

200 OK • 177 ms • 366 B • Save Response

Body Cookies Headers (8) Test Results Visualize

```

1 {
2   "data": {
3     "updateEmployee": {
4       "id": "67a9207987f6f47a6ddefeb",
5       "first_name": "Melian",
6       "salary": 89999
7     }
8   }
9 }

```

Postbot Ctrl Alt P

## 6) Get All Employee Protected JWT Token Required Authorized – Query

Assignmnet-1 COMP-3133 / **employee get all**

POST http://localhost:5000/graphql Send

Params Authorization Headers (9) Body Scripts Settings Cookies

none form-data x-www-form-urlencoded raw binary GraphQL Auto Fetch Schema Fetched

**QUERY**

```
1 query {
2   getAllEmployees {
3     id
4     first_name
5     last_name
6     email
7     designation
8     salary
9     employee_photo
10    department
11  }
12 }
```

**GRAPHQL VARIABLES**

```
1
```

Body Cookies Headers (8) Test Results 200 OK • 89 ms • 1.48 KB Save Response

{ } JSON Preview Visualize

```
2 {
3   "data": {
4     "getAllEmployees": [
5       {
6         "id": "67a8e6ccaa72bf56cf7a1f3",
7         "first_name": "Georgia",
8         "last_name": "Smith",
9         "email": "alice@example.com",
10        "designation": "Software Engineer",
11        "salary": 90888,
12        "employee_photo": "alice.jpg",
13        "department": "Engineering"
14      }
15    ]
16  }
17 }
```

## 7) Employee By ID Protected JWT Token Required Authorized – Query

Assignmnet-1 COMP-3133 / **employee by ids**

POST http://localhost:5000/graphql Send

Params Authorization Headers (9) Body Scripts Settings Cookies

none form-data x-www-form-urlencoded raw binary GraphQL Auto Fetch Schema Fetched

**QUERY**

```
1 query {
2   getEmployeeById(id: "67a8e6ccaa72bf56cf7a1f3") {
3     id
4     first_name
5     last_name
6     email
7     designation
8     salary
9   }
10 }
```

**GRAPHQL VARIABLES**

```
1
```

Body Cookies Headers (8) Test Results 200 OK • 97 ms • 507 B Save Response

{ } JSON Preview Visualize

```
1 {
2   "data": {
3     "getEmployeeById": {
4       "id": "67a8e6ccaa72bf56cf7a1f3",
5       "first_name": "Georgia",
6       "last_name": "Smith",
7       "email": "alice@example.com",
8       "designation": "Software Engineer",
9       "salary": 90888,
10      "department": "Engineering",
11      "employee_photo": "alice.jpg"
12    }
13  }
14 }
```

## 8) Delete Employee Protected JWT Token Required Authorized – Mutation

Assignmnet-1 COMP-3133 / delete employee

POST http://localhost:5000/graphql

Params Authorization Headers (9) Body Scripts Settings Cookies

none form-data x-www-form-urlencoded raw binary GraphQL Auto Fetch Schema Fetched

QUERY

```
1 mutation {
2   deleteEmployee(id: "67a8f6b5698c0dbbf1c72c2d")
3 }
4
```

GRAPHQL VARIABLES

```
1
```

Body Cookies Headers (8) Test Results 200 OK • 209 ms • 360 B Save Response

{ JSON Preview Visualize

```
1 {
2   "data": {
3     "deleteEmployee": "Employee with ID 67a8f6b5698c0dbbf1c72c2d deleted successfully"
4   }
5 }
```

## 9) Search Designation Employee Protected JWT Token Required Authorized – Query

Assignmnet-1 COMP-3133 / designated post

POST http://localhost:5000/graphql

Params Authorization Headers (9) Body Scripts Settings Cookies

none form-data x-www-form-urlencoded raw binary GraphQL Auto Fetch Schema Fetched

QUERY

```
1 query {
2   searchEmployeeByDesignation(designation: "DOGE") {
3     id
4     first_name
5     last_name
6     email
7     designation
8     salary
9     department
10    employee_photo
11  }
12 }
13
```

GRAPHQL VARIABLES

```
1
```

Body Cookies Headers (8) Test Results 200 OK • 102 ms • 503 B Save Response

{ JSON Preview Visualize

```
1 {
2   "data": {
3     "searchEmployeeByDesignation": [
4       {
5         "id": "67a91b835068060f1bfceb5e",
6         "first_name": "trump",
7         "last_name": "trump",
8         "email": "trump@example.com",
9         "designation": "DOGE",
10        "salary": 7999,
11        "department": "ICE",
12        "employee_photo": "republican.jpeg"
13      }
14    ]
15  }
16 }
```

## 10) Search Department Employee Protected JWT Token Required Authorized – Query

HTTP Assignmnet-1 COMP-3133 / designated deparment

POST http://localhost:5000/graphql Send

Params Authorization Headers (9) Body Scripts Settings Cookies

none form-data x-www-form-urlencoded raw binary GraphQL Auto Fetch Schema Fetched

QUERY

```
1 query {
2   searchEmployeeByDepartment(department: "CICD") {
3     id
4     first_name
5     last_name
6     email
7     designation
8   }
9 }
```

GRAPHQL VARIABLES

```
1 {}
```

Body Cookies Headers (8) Test Results 200 OK • 91 ms • 503 B Save Response

JSON Preview Visualize

```
1 {
2   "data": {
3     "searchEmployeeByDepartment": [
4       {
5         "id": "67a9207987f6f47a6ddefefb",
6         "first_name": "Melian",
7         "last_name": "hazeri",
8         "email": "melina@gmail.com",
9         "designation": "devops",
10        "salary": 89999,
11        "department": "CICD",
12        "employee_photo": "melina.jpeg"
13      }
14    ]
15  }
16 }
```

## 11) Employee Database Documentation:

VISUALIZE YOUR DATA REFRESH

### comp3133\_\_101415117\_assignment1.employees

STORAGE SIZE: 36KB LOGICAL DATA SIZE: 827B TOTAL DOCUMENTS: 3 INDEXES TOTAL SIZE: 72KB

Find Indexes Schema Anti-Patterns Aggregation Search Indexes

Generate queries from natural language in Compass

INSERT DOCUMENT

Filter Type a query: { field: 'value' } Reset Apply Options

```
_id: ObjectId('67a9207987f6f47a6ddefefb')
first_name: "Melian"
last_name: "hazeri"
email: "melina@gmail.com"
gender: "Female"
designation: "devops"
salary: 89999
date_of_joining: 2023-09-11T00:00:00.000+00:00
department: "CICD"
employee_photo: "melina.jpeg"
created_at: 2025-02-09T21:39:05.579+00:00
updated_at: 2025-02-09T21:39:05.579+00:00
__v: 0
```

- Passwords are hashed before saving.

- JWT is required for protected routes (except login/signup).
- GraphQL API tested using Postman.
- Postman collection is attached for easy testing.