

George Brown College

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Assignment 2 – Screenshots

1 - Docker Containers up and running:

PERSONAL

Q Search

⌘K

?

2

B

Containers [Give feedback](#)

Container CPU usage ⓘ
2.15% / 800% (8 CPUs available)

Container memory usage ⓘ
270.61MB / 7.57GB

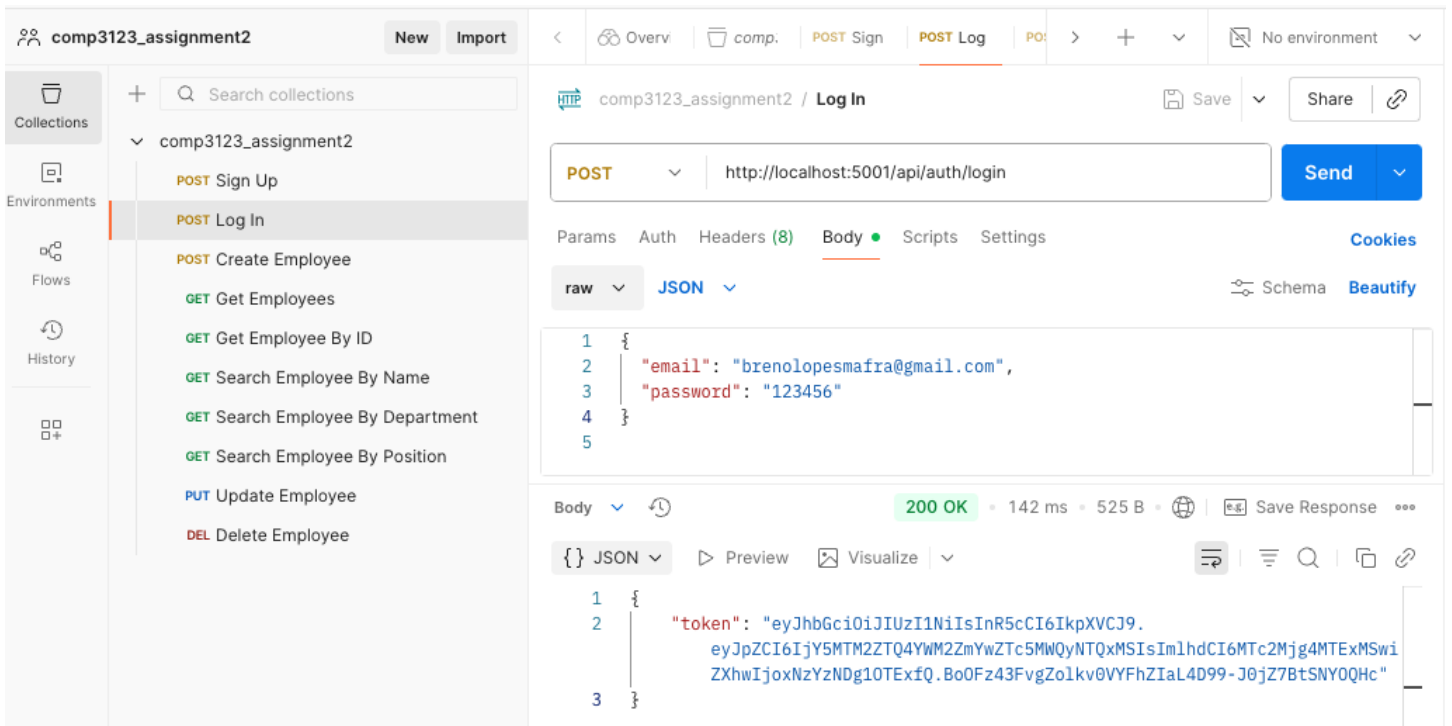
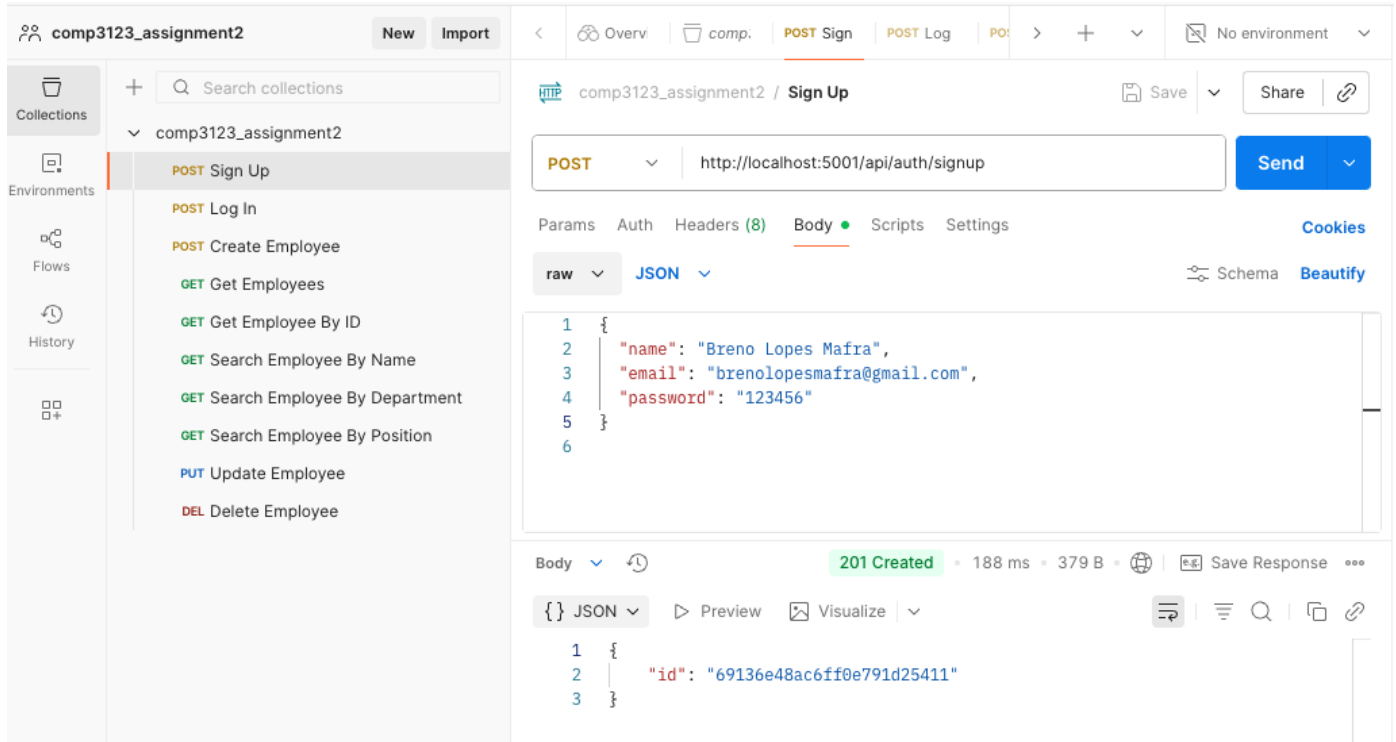
Show charts

Q Search

Only show running containers

<input type="checkbox"/>	Name	Container ID	Image	Port(s)	Actions
<input type="checkbox"/> ▼	● <u>101485572_comp3123_assignment2</u>	-	-	-	<div><div>⚙</div><div>■</div><div>⋮</div><div>🗑</div></div>
<input type="checkbox"/>	● comp3123-mongodb	29b875a59821	mongo:7.0	27017:27017 ↗	<div><div>⚙</div><div>■</div><div>⋮</div><div>🗑</div></div>
<input type="checkbox"/>	● comp3123-mongo-express	0342e4f8ee87	mongo-exp	8081:8081 ↗	<div><div>⚙</div><div>■</div><div>⋮</div><div>🗑</div></div>
<input type="checkbox"/>	● comp3123-frontend	8eff5fb05a54	101485572	3000:5173 ↗	<div><div>⚙</div><div>■</div><div>⋮</div><div>🗑</div></div>
<input type="checkbox"/>	● comp3123-backend	b5f8e2688066	101485572	5001:5000 ↗	<div><div>⚙</div><div>■</div><div>⋮</div><div>🗑</div></div>

2.1 Sign Up (POST <http://localhost:5001/api/auth/signup>)



2.3 Create Employee (POST <http://localhost:5001/api/employees>)

The screenshot shows the Postman interface for a collection named 'comp3123_assignment2'. The 'POST Create Employee' endpoint is selected. The request is a POST to 'http://localhost:5001/api/employees' with the following form data:

Key	Value	Description
firstName	Nazyrha	
lastName	Nassar Salles	
email	nahhsalles@gmail.com	
address	Toronto	

The response is a 201 Created status with a response time of 77 ms and a body size of 663 B. The JSON response is as follows:

```
1 {
2   "firstName": "Nazyrha",
3   "lastName": "Nassar Salles",
4   "email": "nahhsalles@gmail.com",
5   "address": "Toronto",
6   "salary": 5000,
7   "department": "IT",
8   "position": "Developer",
9   "picture": "1762881552300-809468459.jpg",
10  "_id": "69137010ac6ff0e791d25414",
11  "createdAt": "2025-11-11T17:19:12.318Z",
12  "updatedAt": "2025-11-11T17:19:12.318Z",
13  "__v": 0
14 }
```

2.4 Get All Employees (GET <http://localhost:5001/api/employees>)

The screenshot shows the Postman interface for the same collection. The 'GET Get Employees' endpoint is selected. The request is a GET to 'http://localhost:5001/api/employees' with an Authorization header. The response is a 200 OK status with a response time of 65 ms and a body size of 660 B. The JSON response is an array containing one employee object:

```
1 [
2   {
3     "_id": "69137010ac6ff0e791d25414",
4     "firstName": "Nazyrha",
5     "lastName": "Nassar Salles",
6     "email": "nahhsalles@gmail.com",
7     "address": "Toronto",
8     "salary": 5000,
9     "department": "IT",
10    "position": "Developer",
11    "picture": "1762881552300-809468459.jpg",
12    "createdAt": "2025-11-11T17:19:12.318Z",
13    "updatedAt": "2025-11-11T17:19:12.318Z",
14    "__v": 0
15  }
16 ]
```

2.5 Get Employee By ID (GET <http://localhost:5001/api/employees/{id}>)

comp3123_assignment2

GET <http://localhost:5001/api/employees/69137010ac6ff0e791d25414>

Headers (7)

Key	Value	Description
Authorization	eyJhbGciOiJIUzI1NiIsInR5cCI6Ikpz...	

Body

200 OK • 49 ms • 658 B

```
{
  "_id": "69137010ac6ff0e791d25414",
  "firstName": "Nazyrha",
  "lastName": "Nassar Salles",
  "email": "nahhsalles@gmail.com",
  "address": "Toronto",
  "salary": 5000,
  "department": "IT",
  "position": "Developer",
  "picture": "1762881552300-809468459.jpg",
  "createdAt": "2025-11-11T17:19:12.318Z",
  "updatedAt": "2025-11-11T17:19:12.318Z",
  "__v": 0
}
```

2.6 Get Employee By Name (GET <http://localhost:5001/api/employees/search?name={name}>)

comp3123_assignment2

GET <http://localhost:5001/api/employees/search?name=Nazyrha>

Headers (7)

Key	Value	Description
Authorization	eyJhbGciOiJIUzI1NiIsInR5cCI6Ikpz...	

Body

200 OK • 34 ms • 661 B

```
[
  {
    "_id": "69137010ac6ff0e791d25414",
    "firstName": "Nazyrha",
    "lastName": "Nassar Salles",
    "email": "nahhsalles@gmail.com",
    "address": "Toronto",
    "salary": 10000,
    "department": "IT",
    "position": "Developer",
    "picture": "1762881552300-809468459.jpg",
    "createdAt": "2025-11-11T17:19:12.318Z",
    "updatedAt": "2025-11-11T17:24:39.084Z",
    "__v": 0
  }
]
```

2.7 Get Employee By Department (GET <http://localhost:5001/api/employees/search?department={}>)

The screenshot shows the Postman interface for a collection named 'comp3123_assignment2'. The request is a GET method to the URL 'http://localhost:5001/api/employees/search?department=IT'. The 'Headers' tab is active, showing an 'Authorization' header with the value 'eyJhbGciOiJIUzI1NiIsInR5cCI6IkpzZW50L3VzZXQ6ImNpbmR5bW50IiwiaWF0IjoiMjAyNS01L11TMT7:19:12.318Z'.

The response is a 200 OK status with a body containing a JSON array of employee data:

```
1 [
2   {
3     "_id": "69137010ac6ff0e791d25414",
4     "firstName": "Nazyrha",
5     "lastName": "Nassar Salles",
6     "email": "nahhsalles@gmail.com",
7     "address": "Toronto",
8     "salary": 10000,
9     "department": "IT",
10    "position": "Developer",
11    "picture": "1762881552300-809468459.jpg",
12    "createdAt": "2025-11-11T17:19:12.318Z",
13    "updatedAt": "2025-11-11T17:24:39.084Z",
14    "__v": 0
15  }
16 ]
```

2.8 Get Employee By Position (GET <http://localhost:5001/api/employees/search?position={position}>)

The screenshot shows the Postman interface for the same collection. The request is a GET method to the URL 'http://localhost:5001/api/employees/search?position=Developer'. The 'Headers' tab is active, showing the same 'Authorization' header as in the previous screenshot.

The response is a 200 OK status with a body containing a JSON array of employee data, identical to the one in the previous screenshot:

```
1 [
2   {
3     "_id": "69137010ac6ff0e791d25414",
4     "firstName": "Nazyrha",
5     "lastName": "Nassar Salles",
6     "email": "nahhsalles@gmail.com",
7     "address": "Toronto",
8     "salary": 10000,
9     "department": "IT",
10    "position": "Developer",
11    "picture": "1762881552300-809468459.jpg",
12    "createdAt": "2025-11-11T17:19:12.318Z",
13    "updatedAt": "2025-11-11T17:24:39.084Z",
14    "__v": 0
15  }
16 ]
```

2.9 Update Employee (PUT <http://localhost:5001/api/employees/{id}>)

comp3123_assignment2

NewImport

Search collections

comp3123_assignment2

POST Sign Up

POST Log In

POST Create Employee

GET Get Employees

GET Get Employee By ID

GET Search Employee By Name

GET Search Employee By Department

GET Search Employee By Position

PUT Update Employee

DEL Delete Employee

PUT Update

DEL Delete

GET Search

GET Search

GET

>

+

▼

No environment

comp3123_assignment2 / Update Employee

Save

Share

PUT

http://localhost:5001/api/employees/69137010ac6ff0e791d25414

Send

Params

Auth

Headers (9)

Body

Scripts

Settings

raw

JSON

Schema

Beautify

1

2

3

4

5

6

7

8

9

{

"_id": "69137010ac6ff0e791d25414",

"firstName": "Nazyrha",

"lastName": "Nassar Salles",

"email": "nahhsalles@gmail.com",

"address": "Toronto",

"salary": 10000,

"department": "IT",

"position": "Developer",

}

Body

200 OK

68 ms

659 B

Save Response

{}

JSON

Preview

Visualize

1

2

3

4

5

6

7

8

9

10

11

12

13

14

{

"_id": "69137010ac6ff0e791d25414",

"firstName": "Nazyrha",

"lastName": "Nassar Salles",

"email": "nahhsalles@gmail.com",

"address": "Toronto",

"salary": 10000,

"department": "IT",

"position": "Developer",

"picture": "1762881552300-809468459.jpg",

"createdAt": "2025-11-11T17:19:12.318Z",

"updatedAt": "2025-11-11T17:24:39.084Z",

"__v": 0

}

2.10 Delete Employee (DELETE <http://localhost:5001/api/employees/{id}>)

comp3123_assignment2

NewImport

Search collections

comp3123_assignment2

POST Sign Up

POST Log In

POST Create Employee

GET Get Employees

GET Get Employee By ID

GET Search Employee By Name

GET Search Employee By Department

GET Search Employee By Position

PUT Update Employee

DEL Delete Employee

PUT Update

DEL Delete

GET Search

GET Search

GET

>

+

▼

No environment

comp3123_assignment2 / Delete Employee

Save

Share

DELETE

http://localhost:5001/api/employees/69137010ac6ff0e791d25414

Send

Params

Auth

Headers (7)

Body

Scripts

Settings

Headers

6 hidden

	Key	Value	D..	...	Bulk Edit	Presets
<input checked="" type="checkbox"/>	Authorization	eyJhbGciOiJIUzI1NiIsInR5cCI...				
	Key	Value			Description	

Body

200 OK

91 ms

305 B

Save Response

{}

JSON

Preview

Visualize

1

2

3

{

"success": true

}

2.11 Simulated error (Without token authorization)

comp3123_assignment2

NewImport

POST Cre.

GET Get Ei

GET Get Ei

PUT Upda

DEL

Search collections

comp3123_assignment2

POST Sign Up

POST Log In

POST Create Employee

GET Get Employees

GET Get Employee By ID

GET Search Employee By Name

GET Search Employee By Department

GET Search Employee By Position

PUT Update Employee

DEL Delete Employee

HTTP

comp3123_assignment2 / Create Employee

Save

Share

POST

http://localhost:5001/api/employees

Send

Params

Auth

Headers (8)

Body

Scripts

Settings

Cookies

Headers

8 hidden

Key	Value	D..	Bulk Edit	Presets
Key	Value	Description		

Body

401 Unauthorized

29 ms

323 B

Save Response

JSON

Preview

Debug with AI

1 {

2 |

3 }

"error": "Unauthorized"

3. MongoDB Database:

3.1 Database

localhost:8081/db/comp3123_db/

Mongo Express

Database: comp3123_db

Viewing Database: comp3123_db

Collections

Collection Name

Create collection

View

Export

[JSON]

Import

employees

Del

View

Export

[JSON]

Import

users

Del

Database Stats

Collections (incl. system.namespaces)	2
Data Size	394 Bytes
Storage Size	61.4 KB
Avg Obj Size #	197 Bytes
Objects #	2
Indexes #	4
Index Size	123 KB

3.2 Users table

localhost:8081/db/comp3123_db/users

Mongo Express Database: comp3123_db Collection: users

Viewing Collection: users

New DocumentNew Index

Simple

Advanced

Key

Value

String

Find

Delete all 2 documents retrieved

_id	name	email	password	create
<div><div></div><div></div><div>69136e48ac6ff0e791d25411</div></div>	Breno Lopes Mafra	brenolopesmafra@gmail.com	\$2b\$10\$eKuzQlkCTbJVYn30Ve9BMe5dUyqsRvNCqTrWdeXMec...	Tue N 2025 17:11 GMT+ (Coor Univer Time)
<div><div></div><div></div><div>691381f8534b8a6041c0a6b7</div></div>	Test	test@gmail.com	\$2b\$10\$yYbvLN9ueeB8uYkMSKTDEOUx41yiBSPD3X92XHfYWM...	Tue N 2025 18:35 GMT+ (Coor Univer Time)

3.3 Employees Table

localhost:8081/db/comp3123_db/employees

Mongo Express Database: comp3123_db Collection: employees

Viewing Collection: employees

New DocumentNew Index

Simple

Advanced

Key

Value

String

Find

Delete all 1 documents retrieved

_id	firstName	lastName	email	address	salary	department	position	picture	create
<div><div></div><div></div><div>69139991534b8a6041c0a6d6</div></div>	Test	Doe	test@gmail.com	Toronto	2300	IT	Staff	1762892177731-27687155.png	Tue N 2025 20:16 GMT+ (Coor Univer Time)

Rename Collection

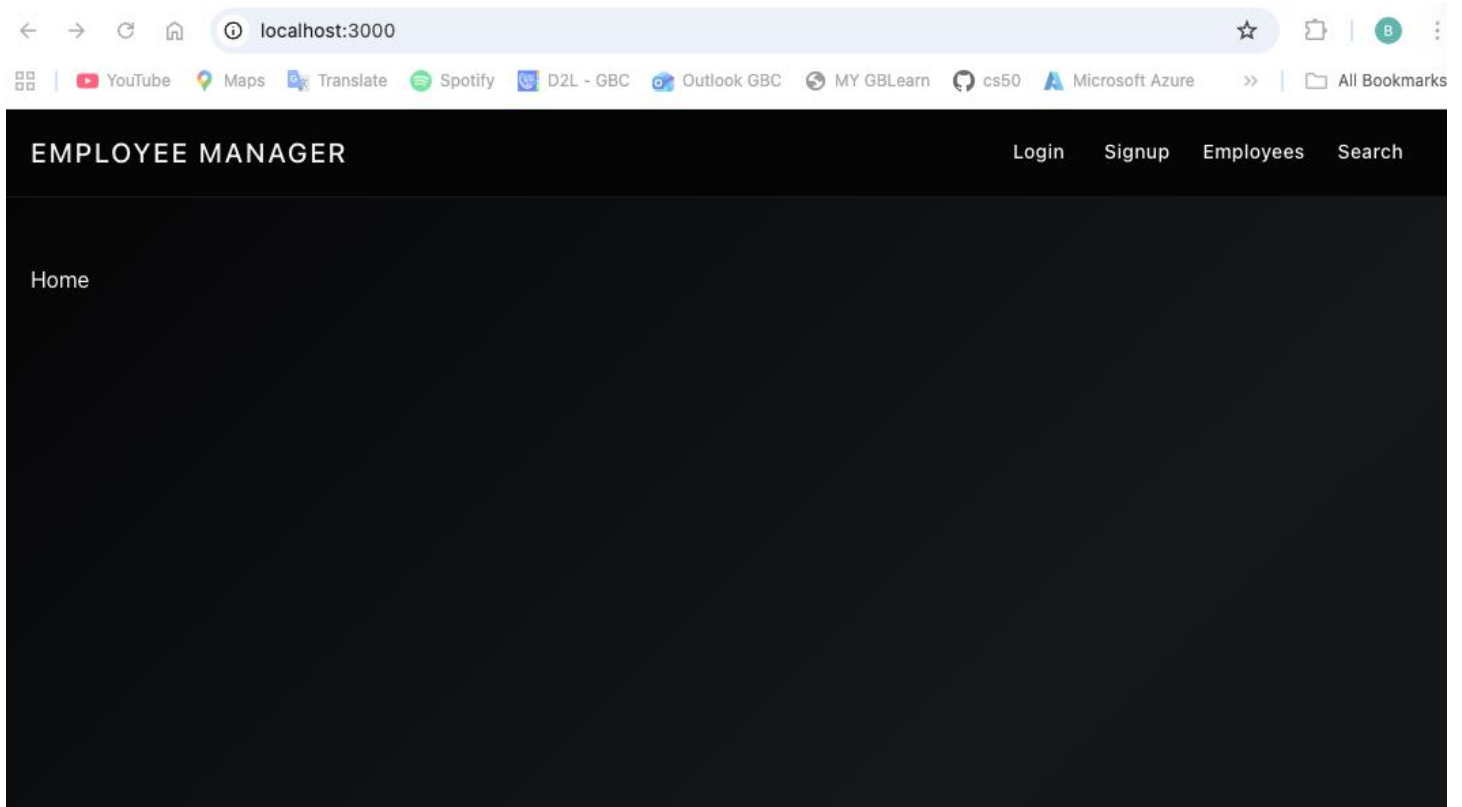
comp3123_db

employees

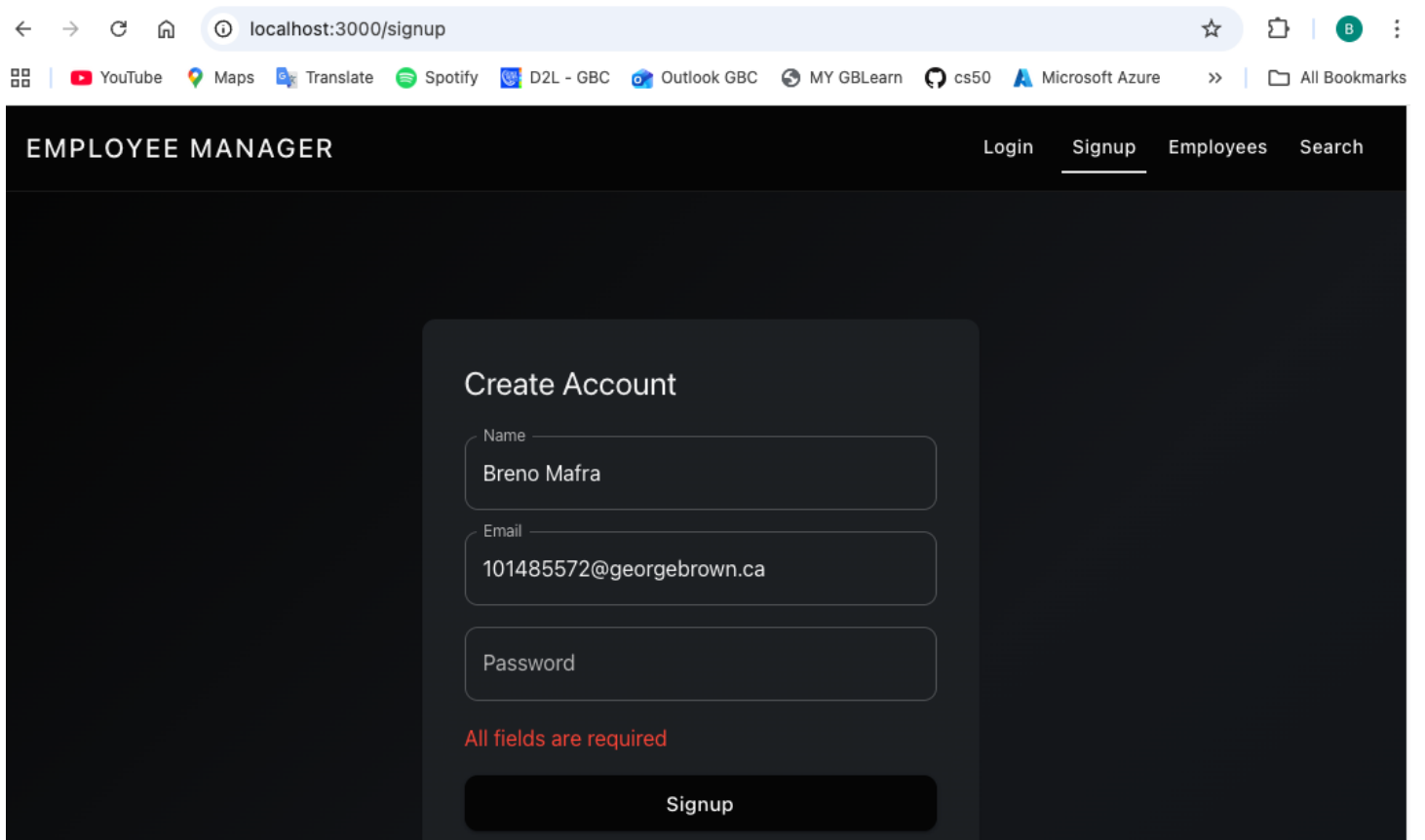
Rename

4. Front-End Screenshots (using Docker on localhost:3000/)

4.1 Home Screen



4.2 Sign Up Screen



← → ↻ 🏠 ⓘ localhost:3000/signup 🔑 ☆ 📁 | B ⋮

📁 | 📺 YouTube 📍 Maps 🗨️ Translate 🎧 Spotify 📺 D2L - GBC 📧 Outlook GBC 🎧 MY GBLearn 🎧 cs50 📁 Microsoft Azure >> | 📁 All Bookmarks

EMPLOYEE MANAGER

Login Signup Employees Search

Create Account

Name

Breno Mafra

Email

101485572@georgebrown.ca

Password

.....

Signup

4.3 Log In Screen

← → ↻ 🏠 ⓘ localhost:3000/login ☆ 📁 | B ⋮

📁 | 📺 YouTube 📍 Maps 🗨️ Translate 🎧 Spotify 📺 D2L - GBC 📧 Outlook GBC 🎧 MY GBLearn 🎧 cs50 📁 Microsoft Azure >> | 📁 All Bookmarks

EMPLOYEE MANAGER

Login Signup Employees Search

Login

Email

101485572@georgebrown.ca

Password

All fields are required

Login

← → ↻ 🏠 localhost:3000/login 🔑 ☆ 📁 | B ⋮

📁 | 📺 YouTube 📍 Maps 🗺️ Translate 🎧 Spotify 📧 D2L - GBC 📧 Outlook GBC 🌐 MY GBLearn 🎧 cs50 📄 Microsoft Azure >> | 📁 All Bookmarks

EMPLOYEE MANAGER

Login Signup Employees Search

Login

Email101485572@georgebrown.ca

Password.....

Login

4.4 Employees List Screen

← → ↻ 🏠 localhost:3000/employees 🔑 ☆ 📁 | B ⋮

📁 | 📺 YouTube 📍 Maps 🗺️ Translate 🎧 Spotify 📧 D2L - GBC 📧 Outlook GBC 🌐 MY GBLearn 🎧 cs50 📄 Microsoft Azure >> | 📁 All Bookmarks

EMPLOYEE MANAGER

Login Signup Employees Search Logout

Employees

+ Add Employee

Name

Department

Position

🔍 Search

✕ Clear

Photo	Name	Email	Department	Position	Salary	Actions
<div>T</div>	Test Doe Toronto	test@gmail.com	IT	Staff	\$2,300	<div>👁️</div> <div>✎</div> <div>🗑️</div>


4.5 Add Employee Screen

localhost:3000/employees/new

YouTubeMapsTranslateSpotifyD2L - GBCOutlook GBCMYPBLearncs50Microsoft AzureAll Bookmarks

EMPLOYEE MANAGERLoginSignupEmployeesSearchLogout

← BackAdd Employee



Upload photo

First nameLast nameEmailDepartment

PositionSalaryAddress

All fields are required


CreateCancel

localhost:3000/employees/new

YouTubeMapsTranslateSpotifyD2L - GBCOutlook GBCMYPBLearncs50Microsoft AzureAll Bookmarks

EMPLOYEE MANAGERLoginSignupEmployeesSearchLogout

← BackAdd Employee



Upload photo

First nameLast nameEmailDepartment

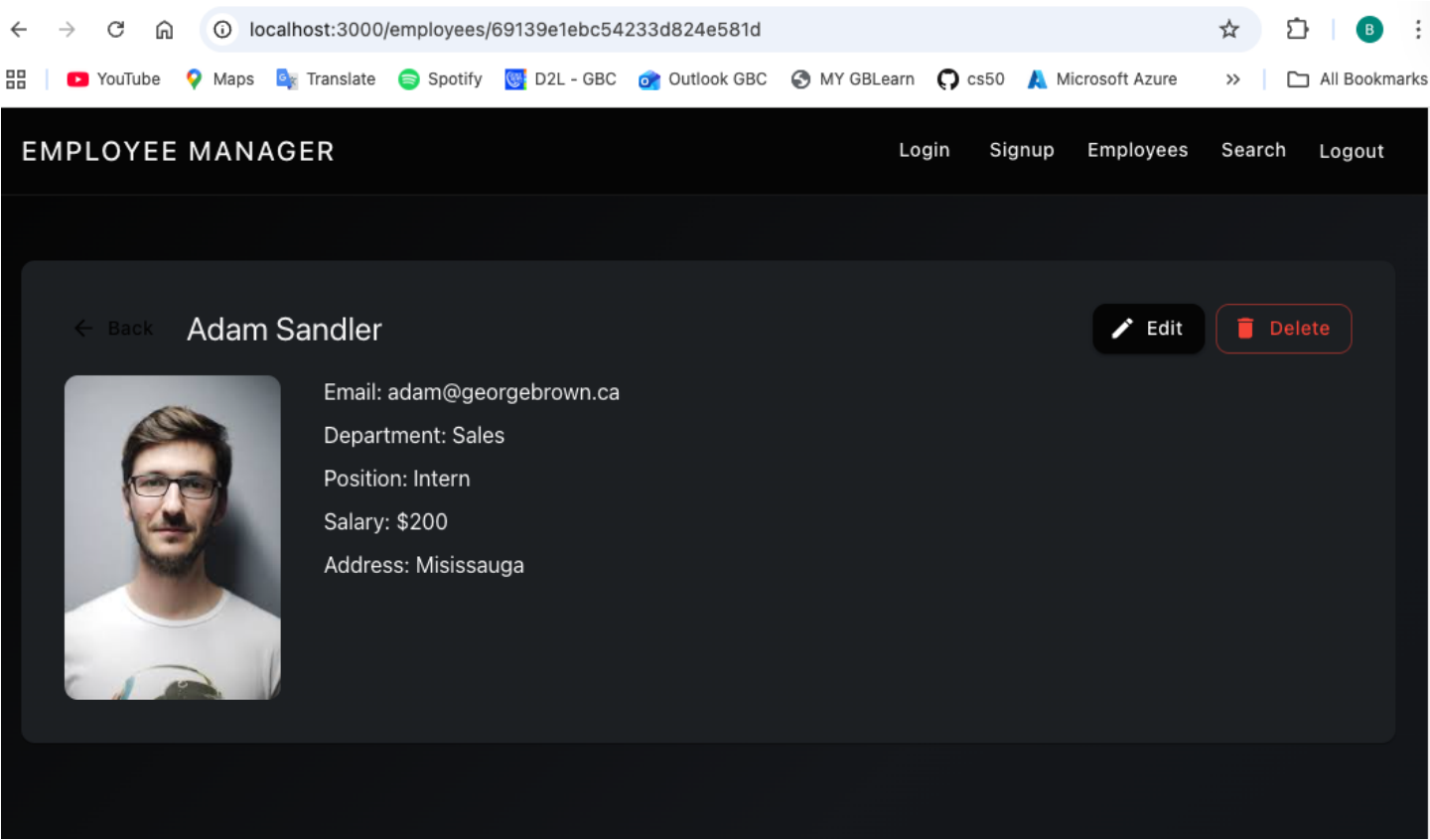
AdamSandleradam@georgebrown.caSales

PositionSalaryAddress

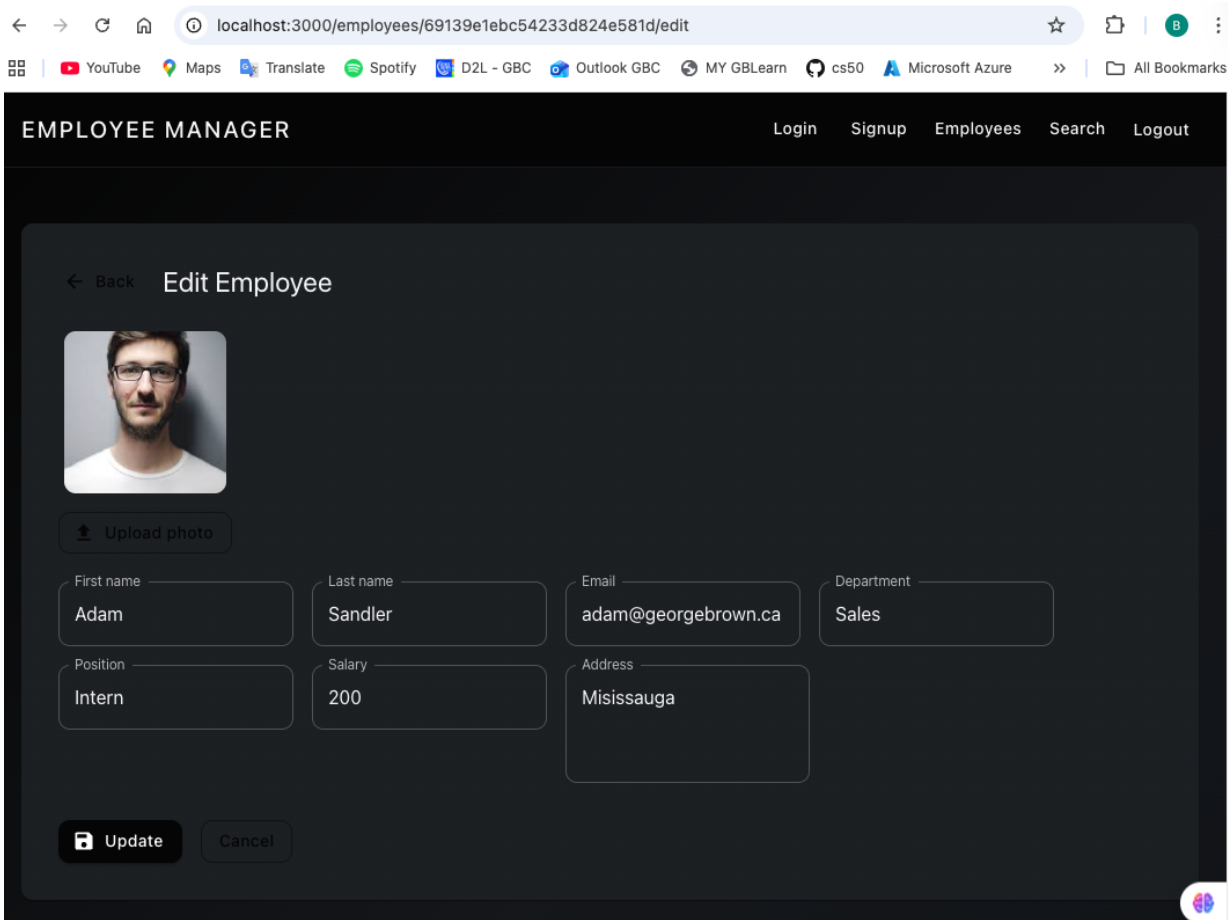
Intern200Misissauga

CreateCancel

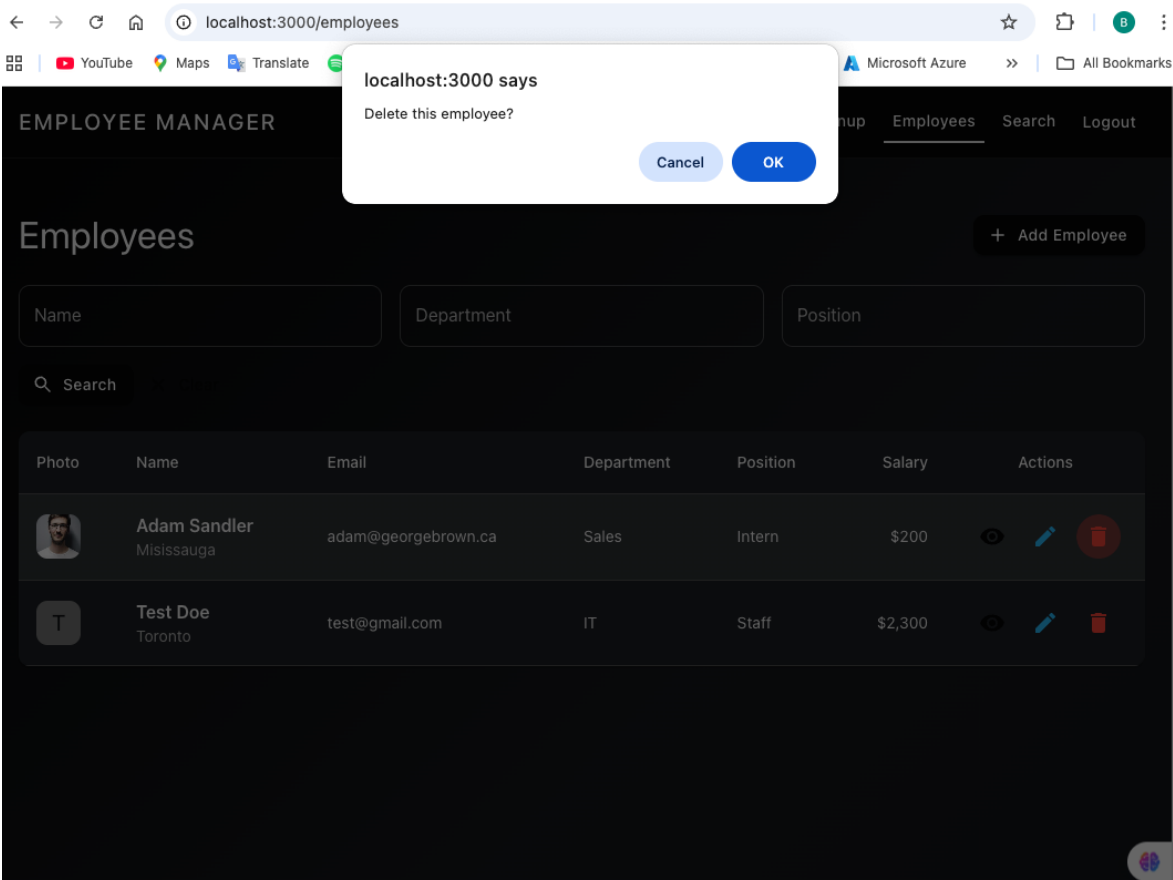
4.6 View Employee Screen



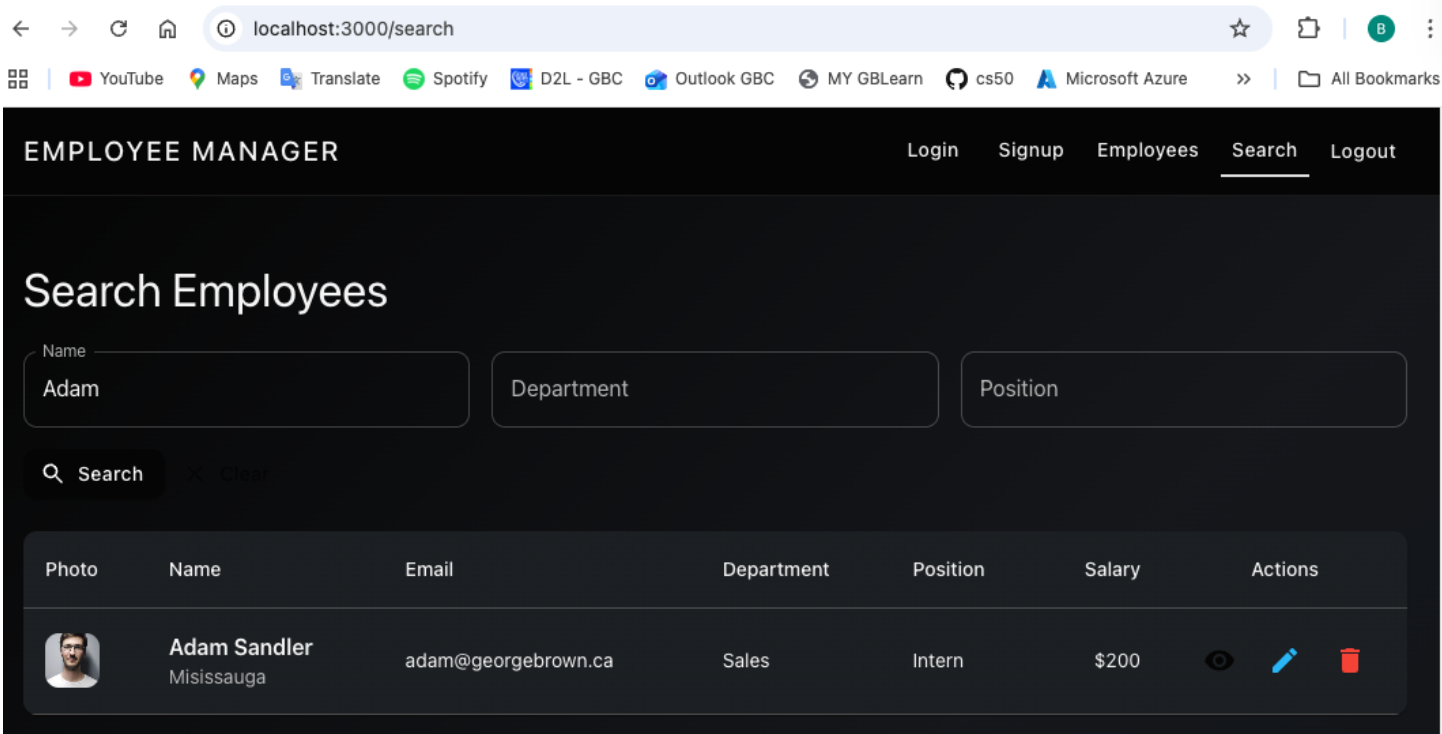
4.7 Update Employee Screen



4.8 Delete Employee Screen



4.9 Search Employee Screen



←→↻🏠

localhost:3000/search

☆🔖B⋮

📺YouTube📍Maps🌐Translate🎧Spotify📧D2L - GBC📧Outlook GBC📧MY GBLearn🗨cs50📌Microsoft Azure>>📁All Bookmarks

EMPLOYEE MANAGER

LoginSignupEmployeesSearchLogout





Search Employees

Name

DepartmentIT

Position

🔍 Search✕ Clear

Photo	Name	Email	Department	Position	Salary	Actions
	Test Doe Toronto	test@gmail.com	IT	Staff	\$2,300	  

←→↻🏠

localhost:3000/search

☆🔖B⋮

📺YouTube📍Maps🌐Translate🎧Spotify📧D2L - GBC📧Outlook GBC📧MY GBLearn🗨cs50📌Microsoft Azure>>📁All Bookmarks

EMPLOYEE MANAGER

LoginSignupEmployeesSearchLogout


Search Employees

Name

Department

PositionIntern

🔍 Search✕ Clear

Photo	Name	Email	Department	Position	Salary	Actions
	Adam Sandler Mississauga	adam@georgebrown.ca	Sales	Intern	\$200	