COMP3123 – Assignment 1

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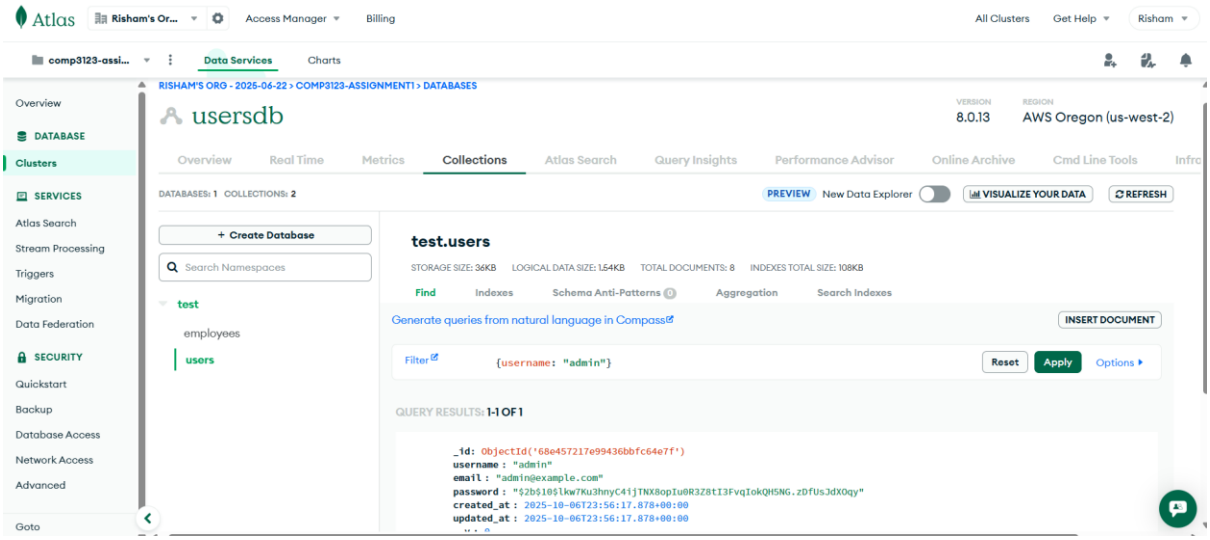
Course: COMP 3123 – Full Stack Development
Instructor: Pritesh Patel

Sample User for Testing

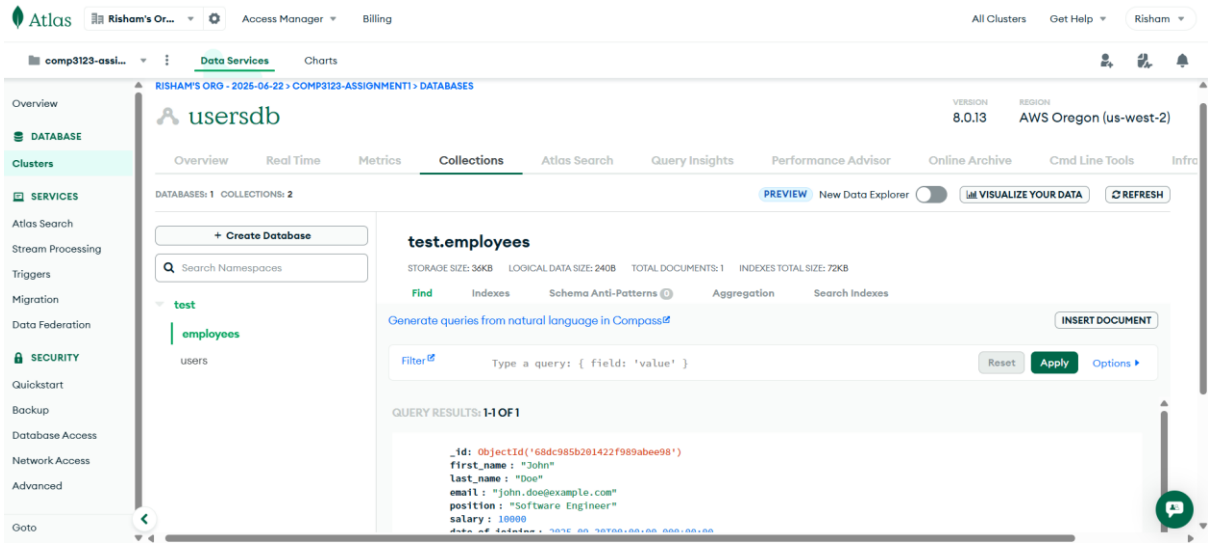
```
{
  "username": "admin",
  "email": "admin@example.com",
  "password": "admin123"
}
```

MongoDB Console Screenshots

User Database



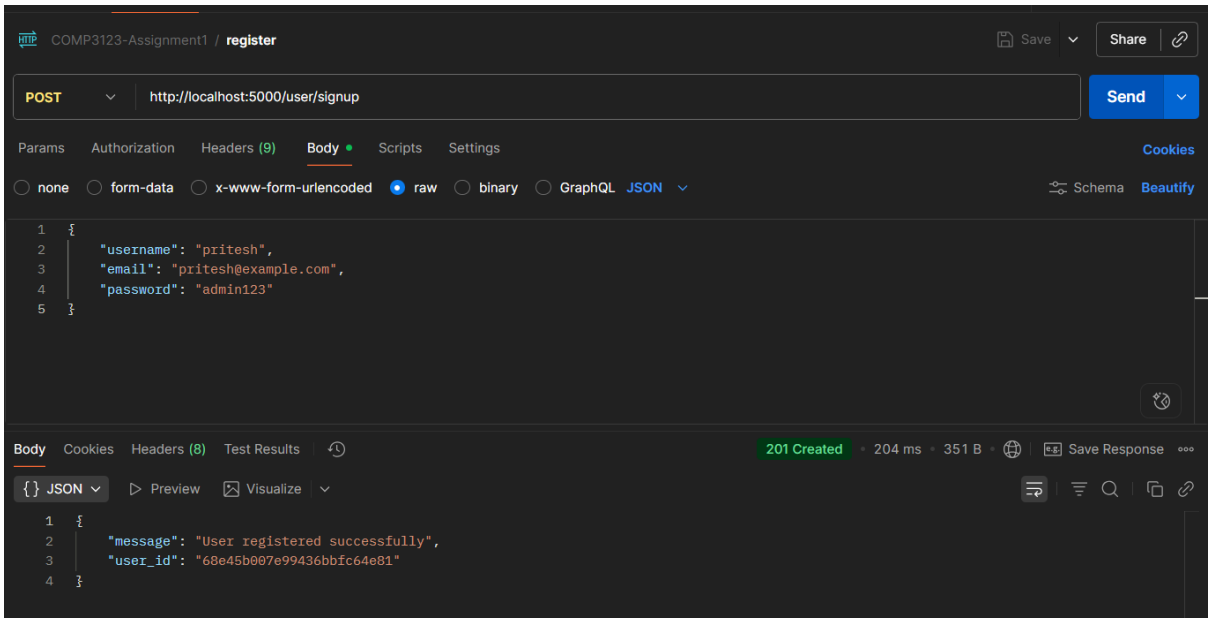
Employee Database



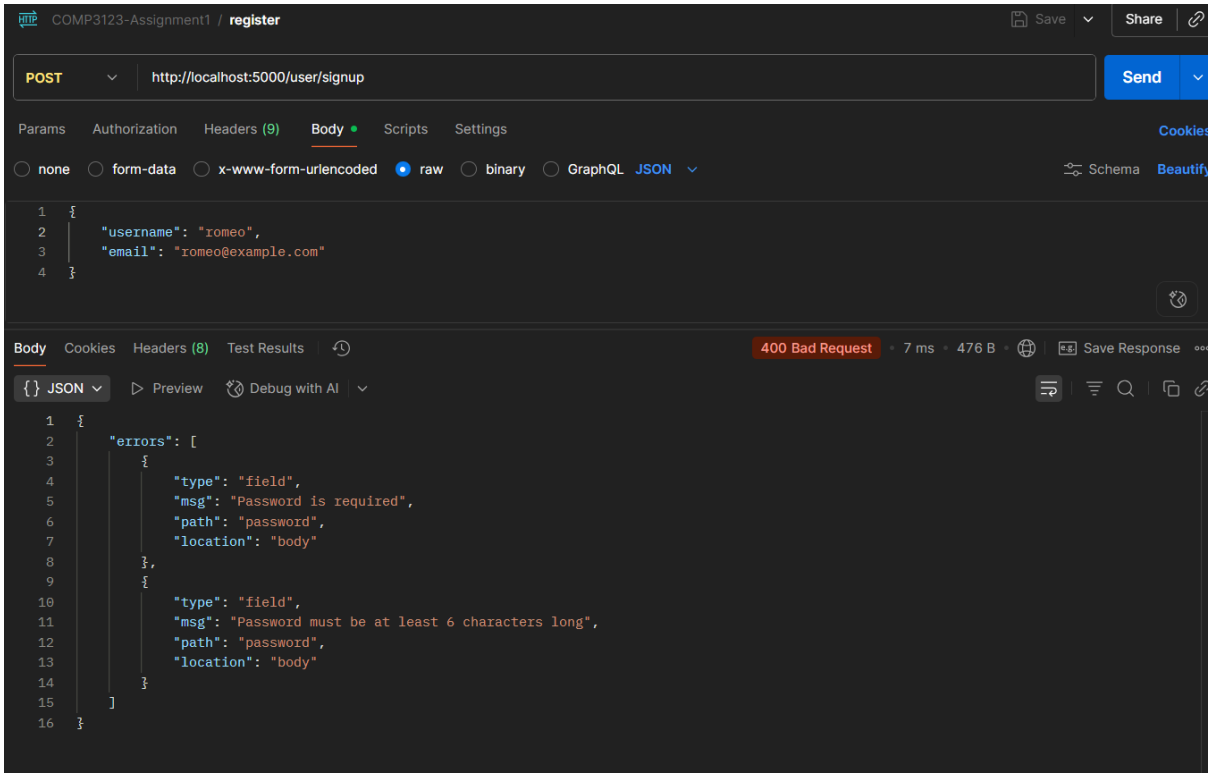
Testing Signup and Login

1️⃣ Signup Endpoint

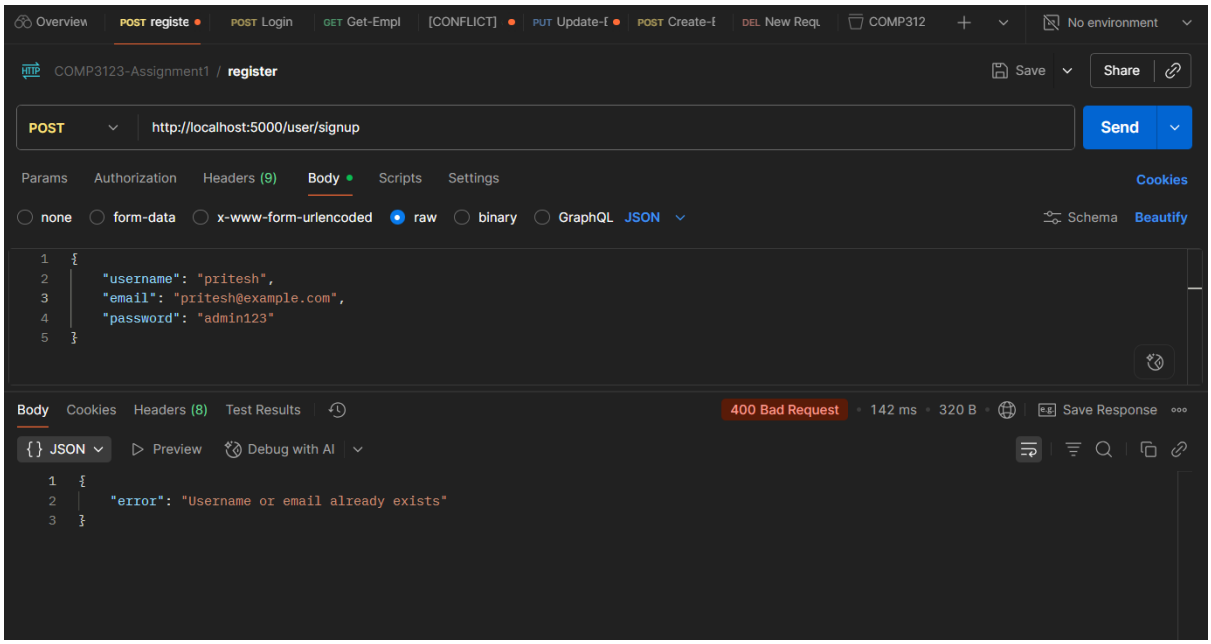
✅ Test Case 1 — Successful Signup



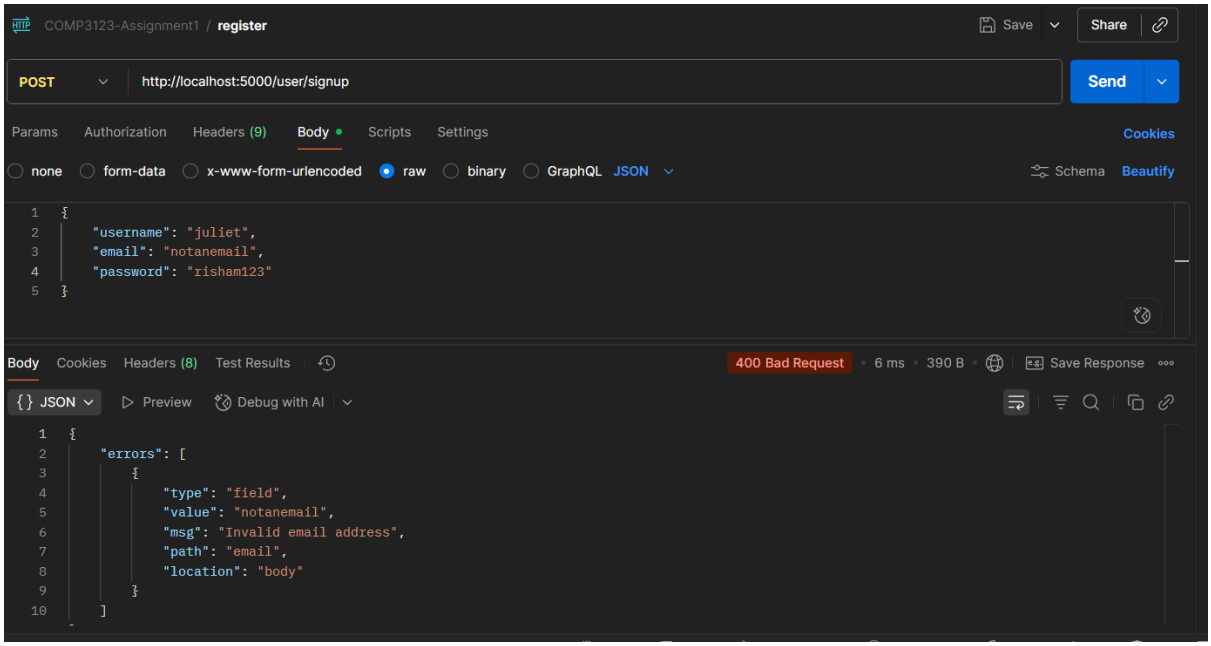
❌ Test Case 2 — Missing Fields



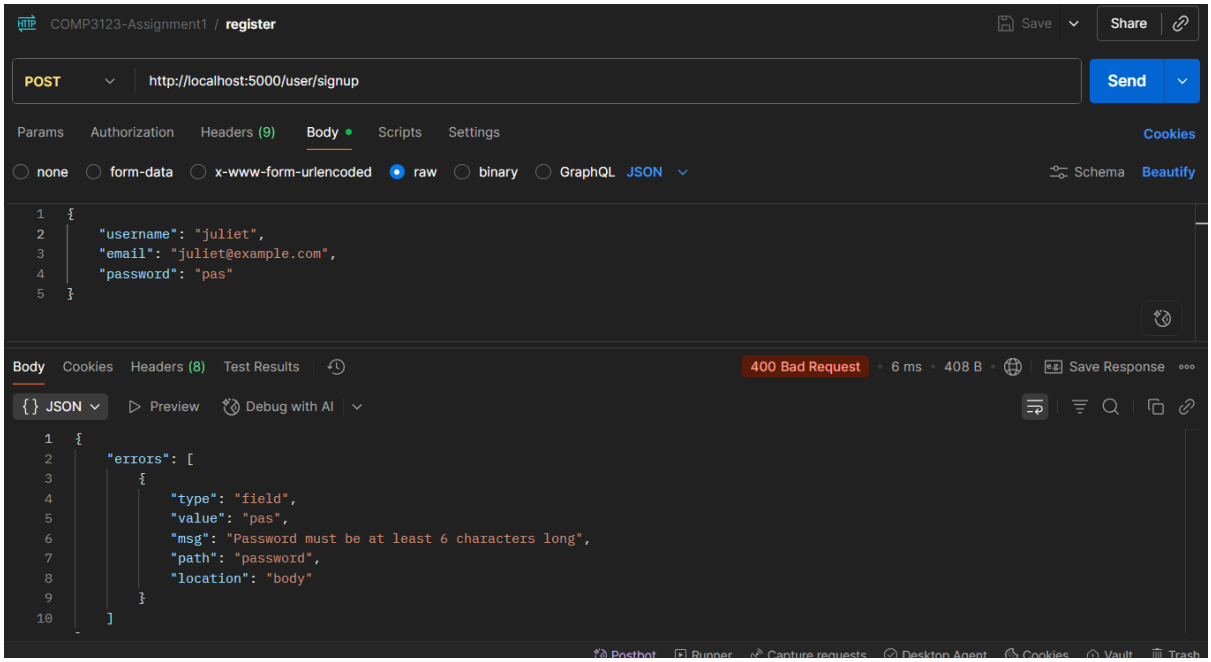
❌ Test Case 3 — Duplicate Email or Username



❌ Test Case 4 — Invalid Email Format

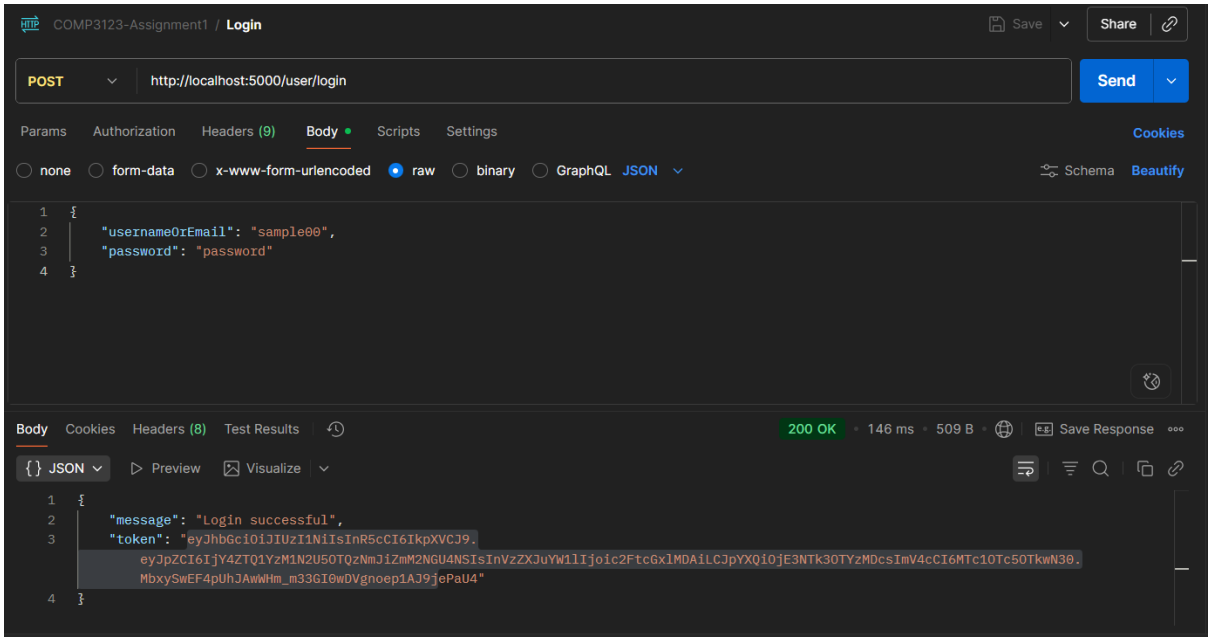


❌ Test Case 5 — Weak Password Length

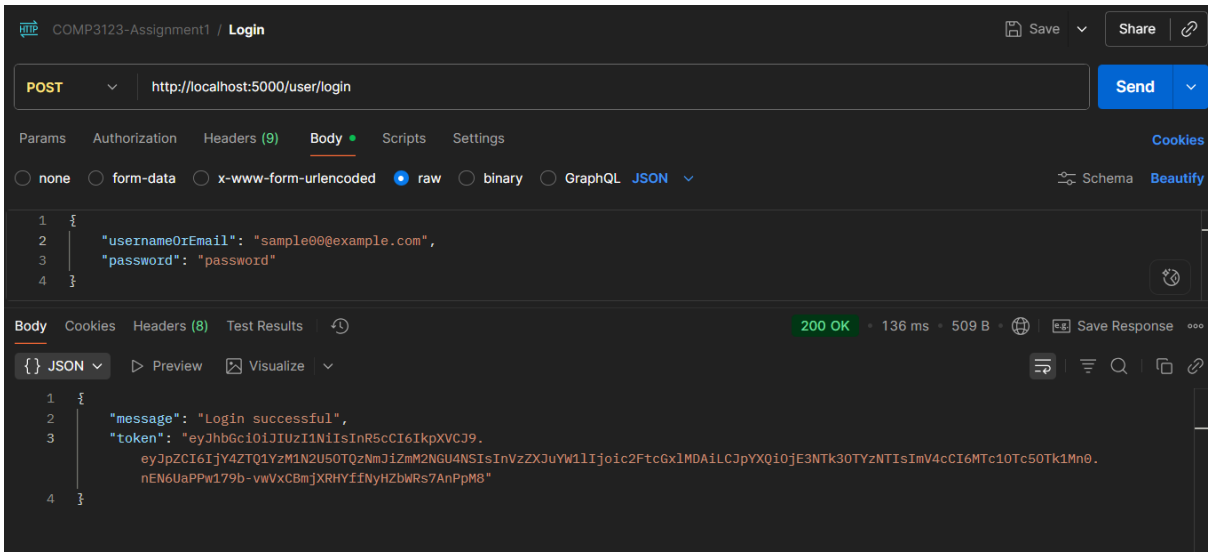


2 Login Endpoint

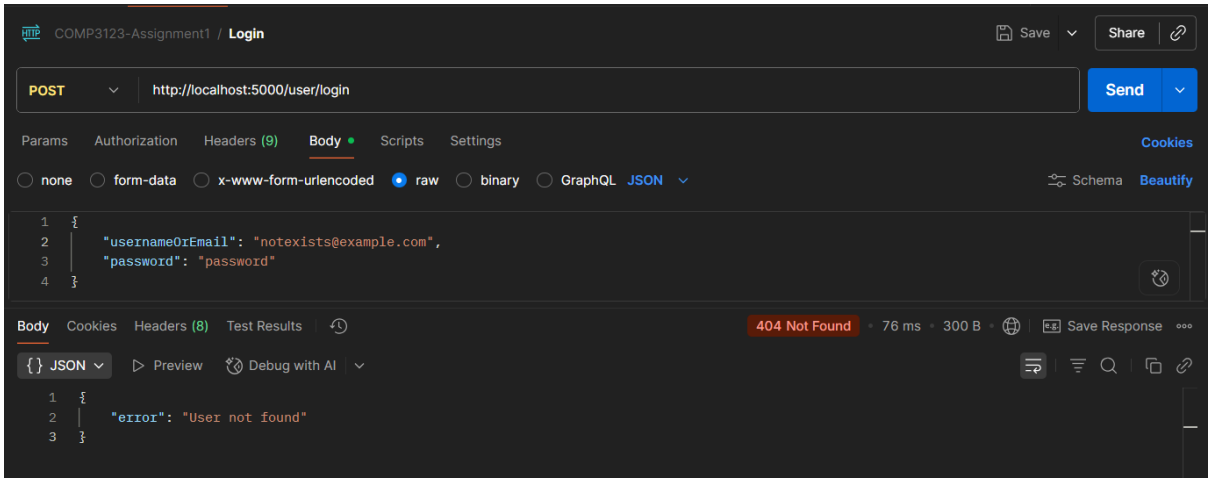
✅ Test Case 1 — Login with Username



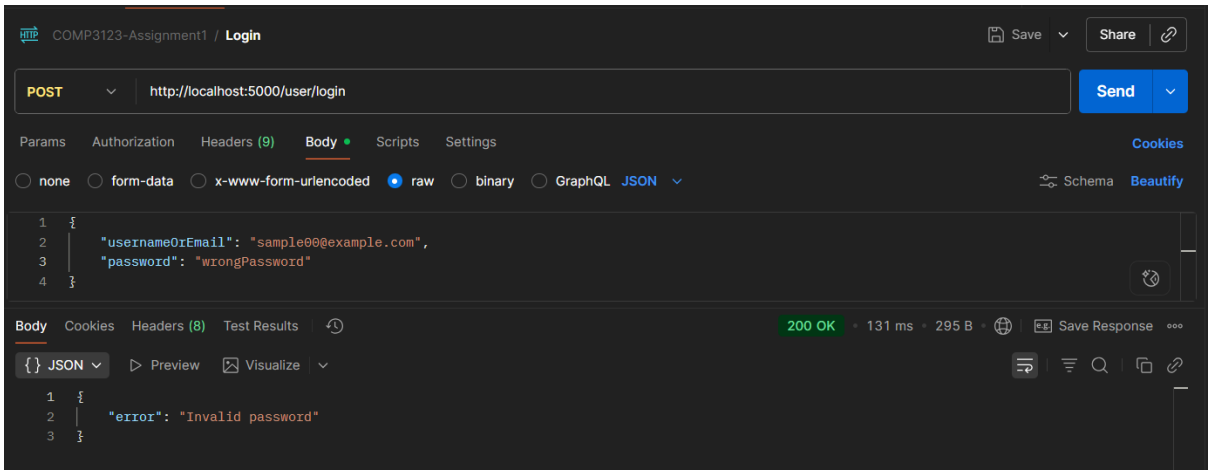
✅ Test Case 2 — Login with Email



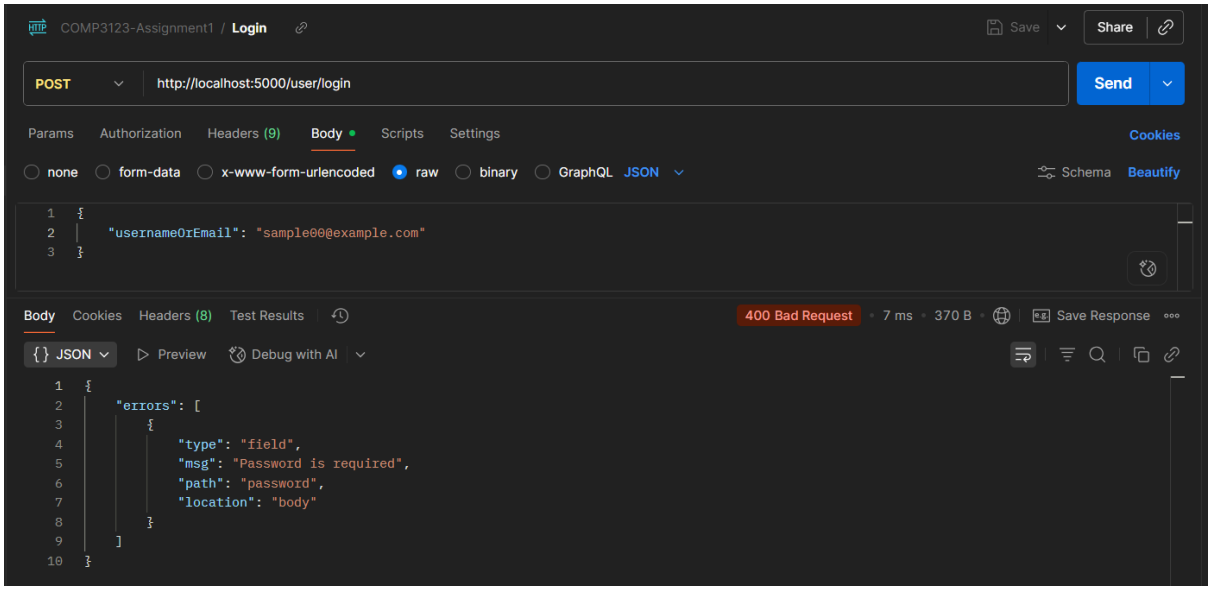
❌ Test Case 3 — User Not Found



❌ Test Case 4 — Invalid Password



❌ Test Case 5 — Missing Fields



Testing Employee Routes

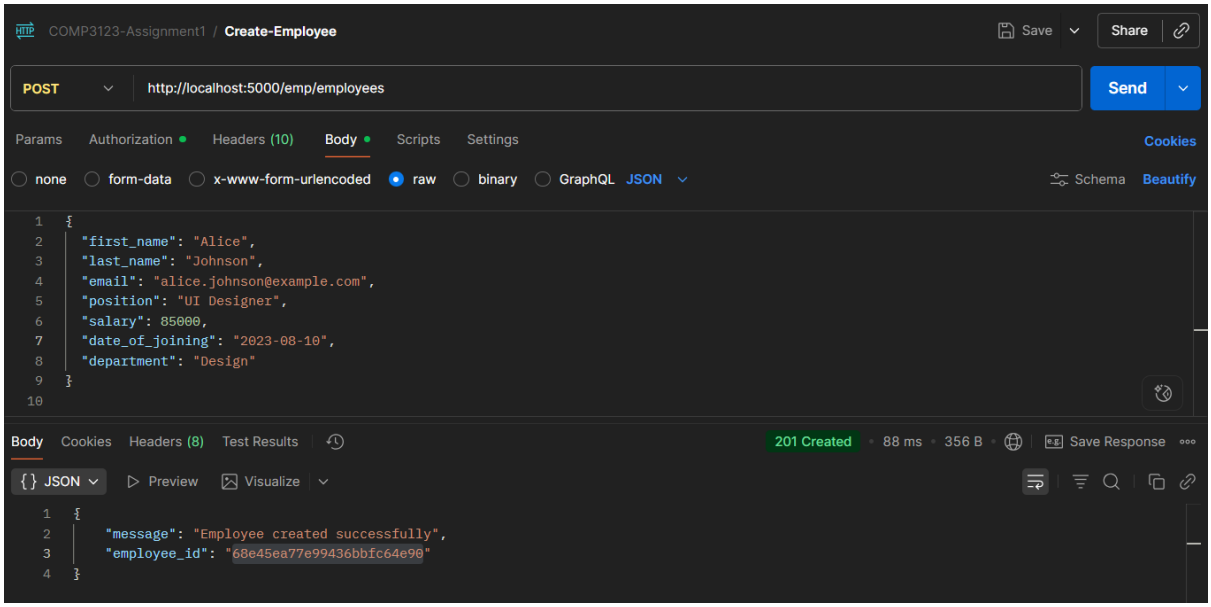
✅ NOTE

All endpoints require authentication — so first **log in** using the /api/v1/user/login route and copy the **JWT token** from the response.

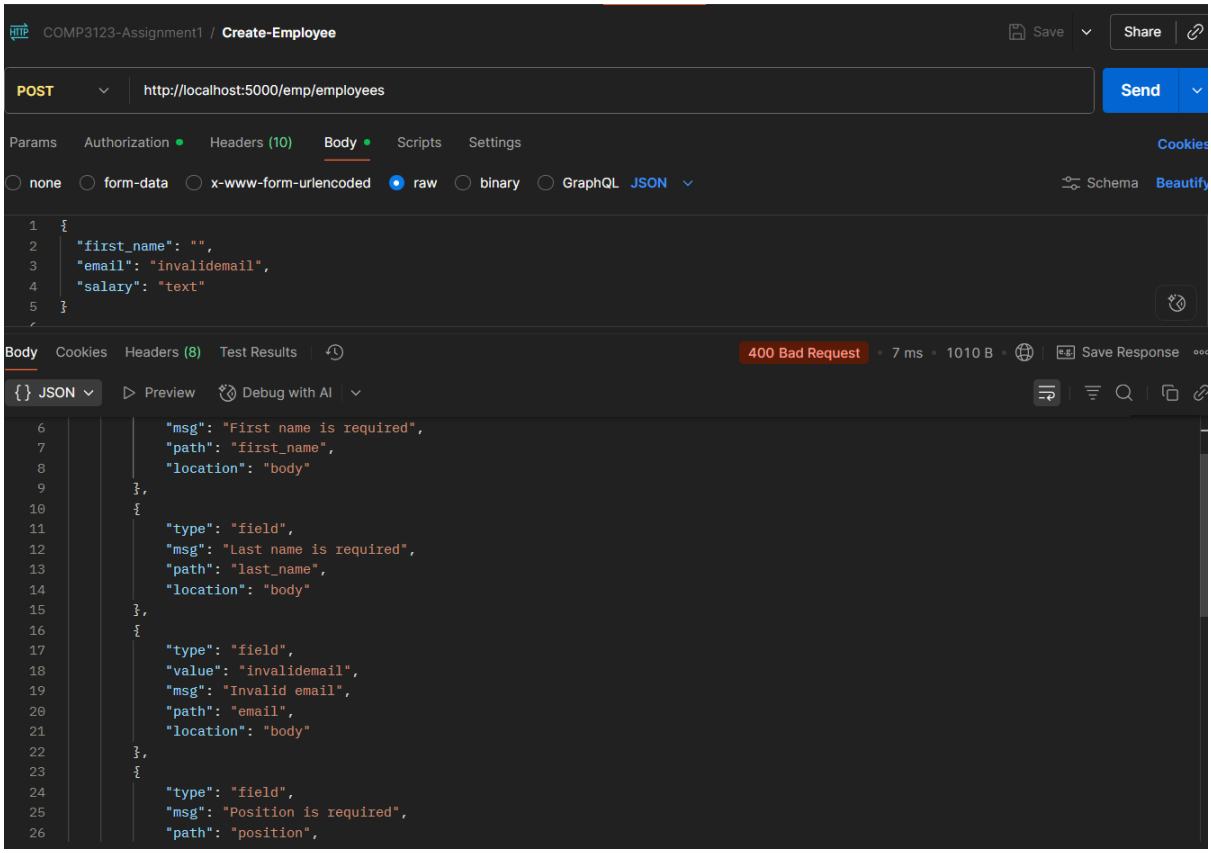
Then, add this header in every request:

Authorization: Bearer <your_token_here>

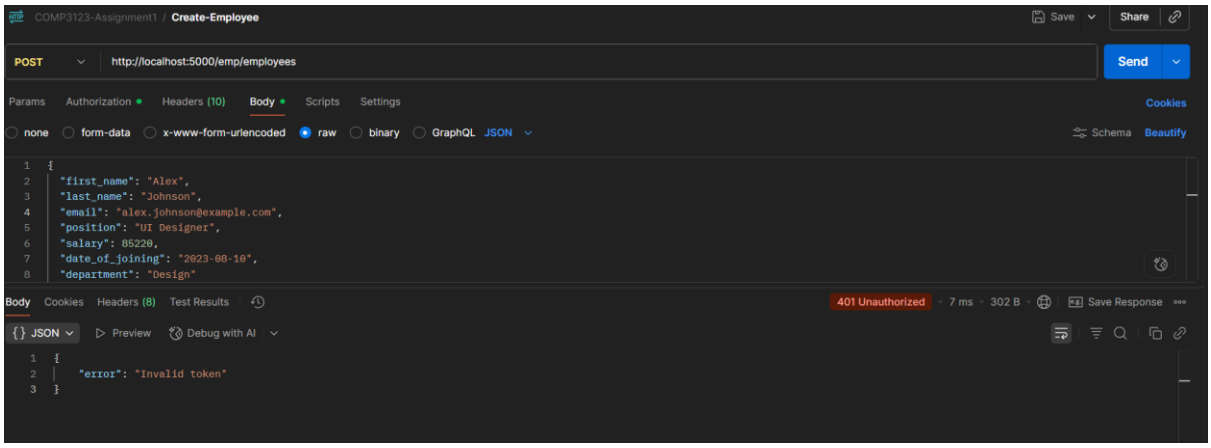
1️⃣ Create Employee



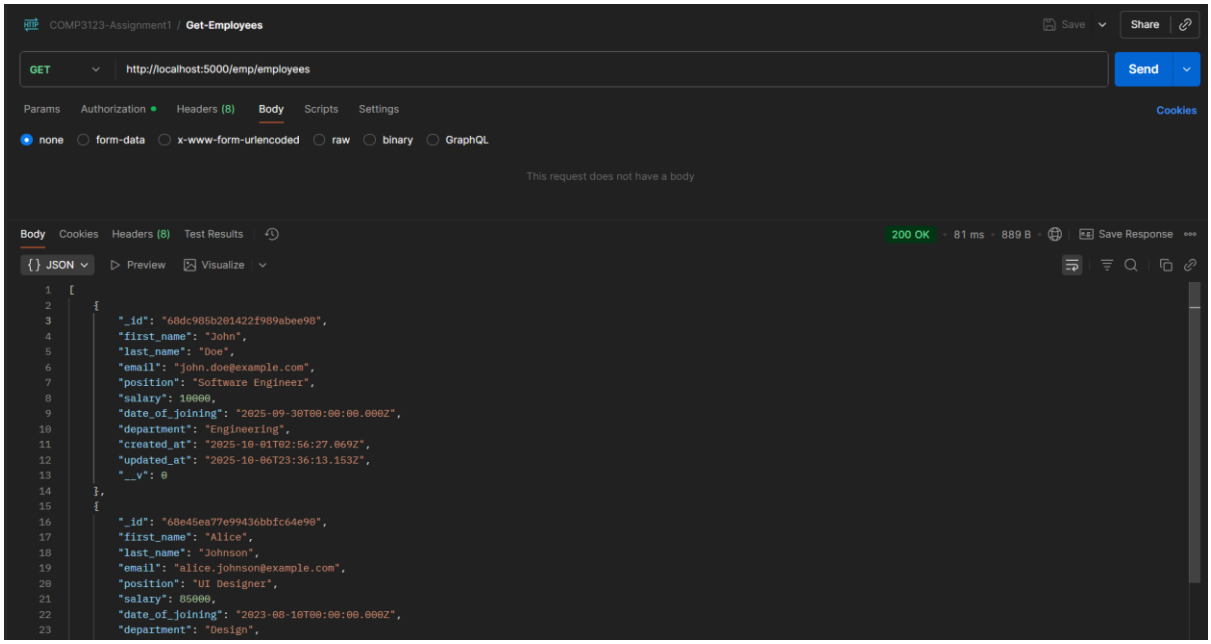
❌ Validation Error Example



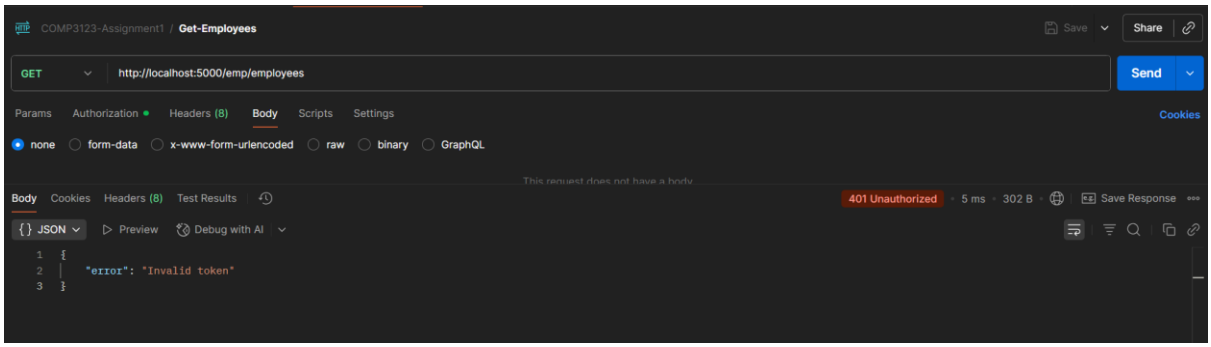
❌ Invalid JWT Token Example



2️⃣ Get All Employees

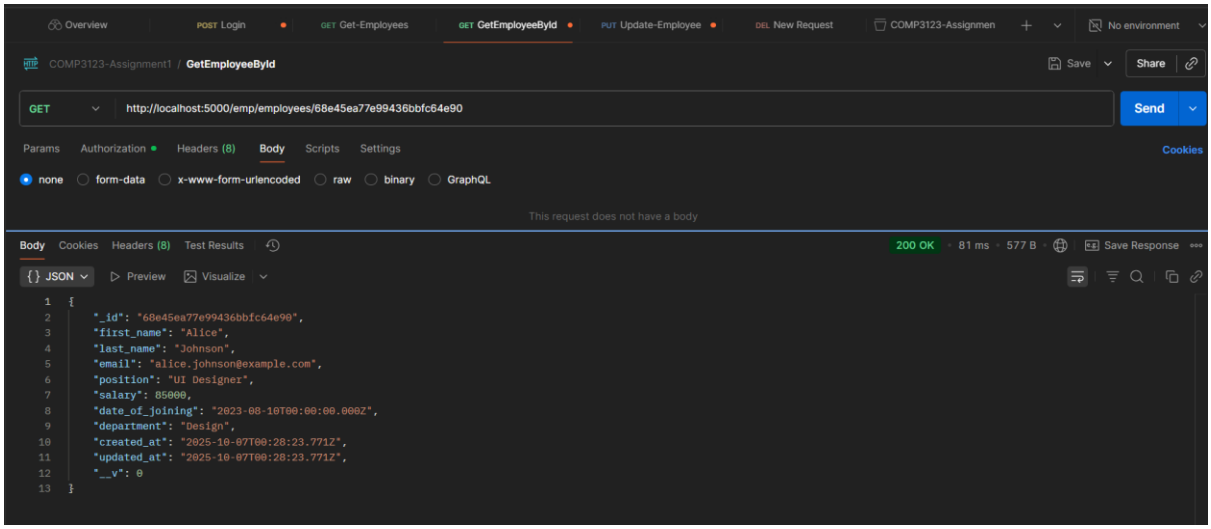


❌ Error Case: Unauthorized (Missing JWT Token)

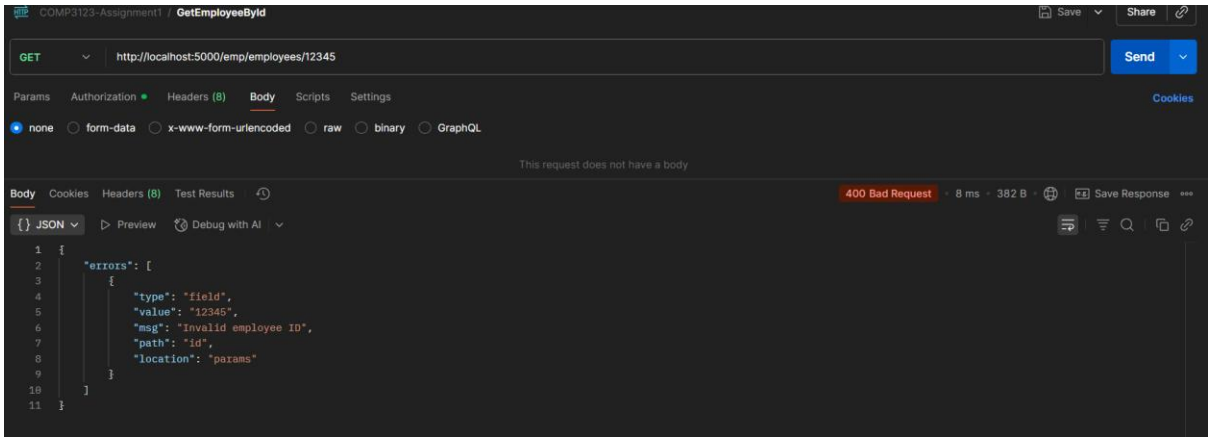


3️⃣ Get Employee by ID

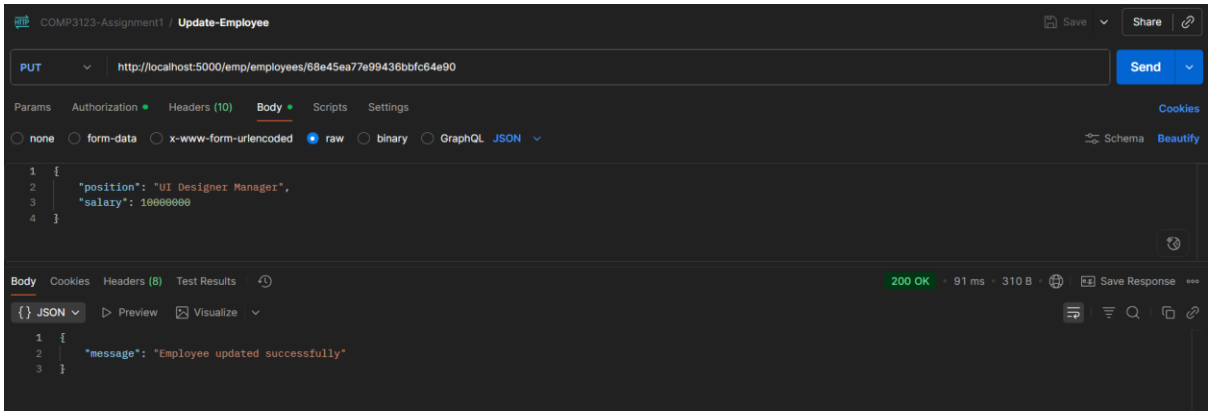
GET → /employees/:id



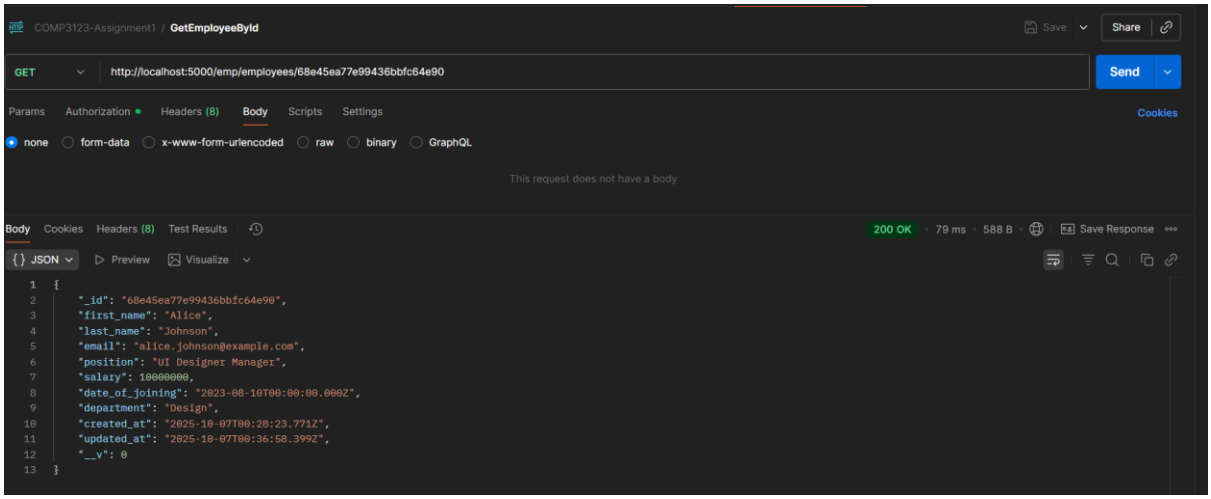
❌ Error Case: Invalid ID



4️⃣ Update Employee

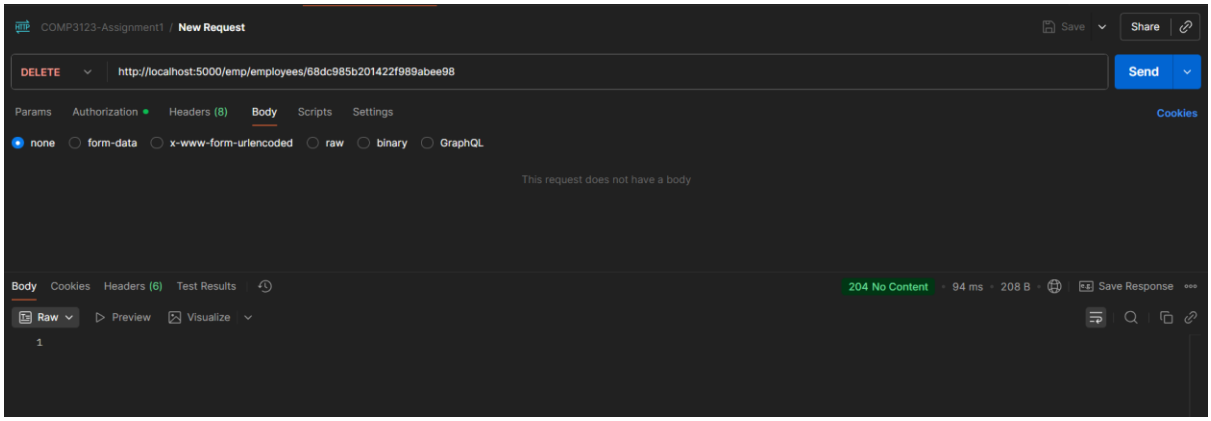


As shown in Get Employee by ID:

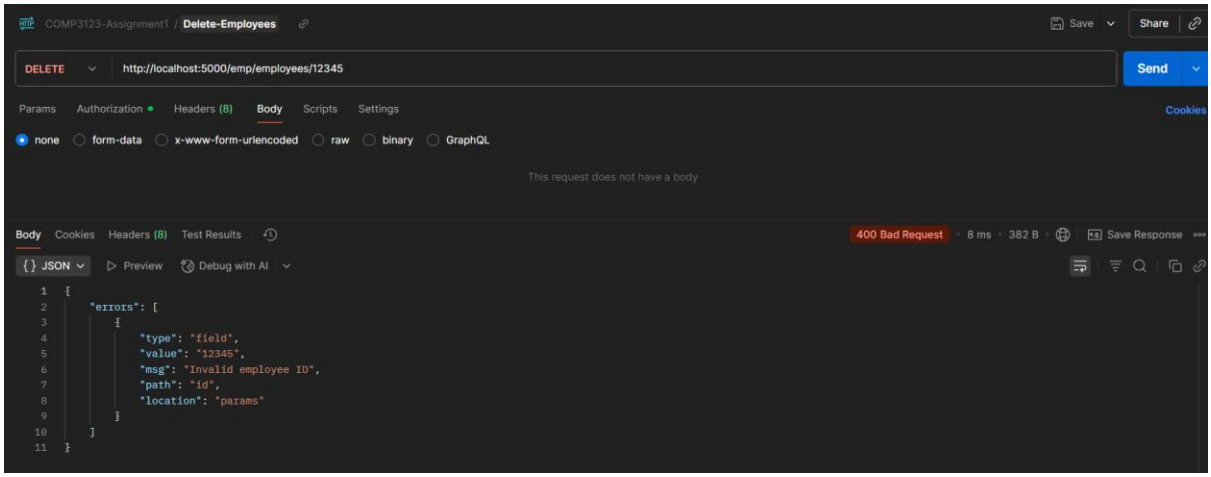


5️⃣ Delete Employee

DELETE → /employees/:id



❌ Error Case: Invalid ID



❌ Error Case: Unauthorized