CLOUD COMPUTING LAB



NAME: Zohiab Shafqat

ENROLLMENT NO: 01-131222-052

CLASS: BSE 6A

LAB INSTRUCTOR: SIR SULMAN ZAFAR

LAB NO 11:

TASK:

SCREENSHOTS:

API Gateway & Middleware Demo

```
Test API with Token

Authorization Token:

valid-token-123

Fetch Secure Dafa

Response:

{
    "success": true,
    "message": "Access granted to secure data",
    "data": {
        "id": 1,
        "name": "Protected Resource",
        "description": "This is sensitive data that requires authentication",
        "timestamp": "2025-05-30T05:47:03.606Z"
    }
}
```

```
✓ Compiled / in 2.6s (270 modules)
Warning: viewport meta tags should not be used in _document.js's <Head>. https://nextjs.org/docs/messages/no-document-viewport-meta

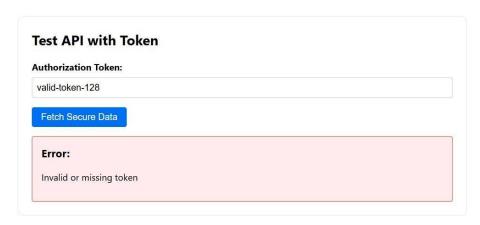
GET / 200 in 2803ms
o Compiling /middleware ...
✓ Compiled /middleware in 892ms (72 modules)

[Middleware] Request to http://localhost:3000/api/secure-data

[Middleware] Authorization: Bearer valid-token-123

[Middleware] Valid token - Access granted
```

API Gateway & Middleware Demo



GET /api/secure-data 200 in 304ms	
[Middleware] Request to http://localhost:3000/api/secure-data	
[Middleware] Authorization: Bearer invalid-token	
[Middleware] Invalid token - Access denied	
[Middleware] Request to http://localhost:3000/api/secure-data	
[Middleware] Authorization: None	
[Middleware] Invalid token - Access denied	

