

CLOUD COMPUTING LAB



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CLASS: BSE 6A

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LAB NO 11:

TASK:

SCREENSHOTS:

API Gateway & Middleware Demo

Test API with Token

Authorization Token:

Fetch Secure Data

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

Test API with Token

Authorization Token:

Fetch Secure Data

Error:

Invalid or missing token

```
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
```

vercel.com/new/tayyabs-projects-7c617d0c/success?developer-id=&external-id=&redirect-url=&branch=master&deploymentUrl=api-gateway-middleware-demo-fjr3ks1d3-tayyabs-projects-7c6...

Congratulations!

You just deployed a new project to Tayyab's Projects.

API Gateway & Middleware Demo

Test API with Token

Authorization Token:

Next Steps

- Instant Previews**
Push a new branch to preview changes instantly
- Add Domain**
Add a custom domain to your project →
- Enable Speed Insights**
Track how users experience your site over time →

[Continue to Dashboard](#)