

## 1. Vulnerability

### Customer Balance page in Admin Account

The screenshot shows the 'Customer Balance' page in the Pharmacy Management Software Admin Account. The page has a sidebar with navigation icons and a top navigation bar. The main content area displays a table with customer balance information. The table has columns for Customer ID, Customer Name, Total Amount, Paid Amount, Due Amount, and Action. There is one entry for Customer ID C297056, Customer Name Ahmed Mekh, with Total Amount 0, Paid Amount 0, and Due Amount 0. The page also includes buttons for 'Add Customer', 'Manage Customer', and 'Regular Customer'. A user profile dropdown is visible in the top right corner, showing the user 'nowjesh' with email 'admin@gmail.com' and role 'ADMIN'. The page also has a 'Logout' button.

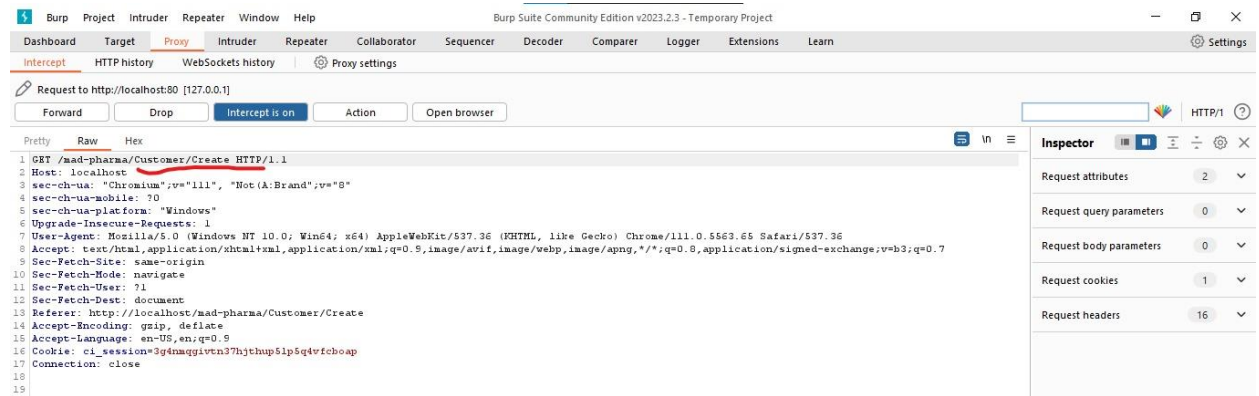
### Get Request of Customer Balance

Dashboard	Target	Proxy	Intruder	Repeater	Collaborator	Sequencer	Decoder	Comparer	Lo
Intercept	HTTP history	WebSockets history							
Filter: Hiding CSS, image and general binary content									
#	Host	Method	URL	Params	Edited	Status	Length	MIME type	Extension
472	http://localhost	GET	/mad-pharma/Customer/Balance			200	39381	HTML	
471	https://fonts.gstatic.com	GET	/s/poppins/v20/pxiEyp8kv8JHgF...			200	8697		woff2
469	https://cdnjs.cloudflare.com	GET	/ajax/libs/bootstrap-datetimepic...			200	39512	script	js
470	https://cdnjs.cloudflare.com	GET	/ajax/libs/select2/4.0.6-rc.0/js/sel...			200	68755	script	js
468	https://cdnjs.cloudflare.com	GET	/ajax/libs/bootstrap-datepicker/...			200	47818	script	js
464	https://cdnjs.cloudflare.com	GET	/ajax/libs/jquery-validate/1.17.0/...			200	24264	script	js
463	http://localhost	GET	/mad-pharma/Customer/Balance			200	39381	HTML	
462	https://passwordsleakche...	POST	/v1/leaks:lookupSingle	✓		400	523	script	
460	https://cdnjs.cloudflare.com	GET	/ajax/libs/select2/4.0.6-rc.0/js/sel...					script	js
459	https://cdnjs.cloudflare.com	GET	/ajax/libs/bootstrap-datetimepic...					script	js
458	https://cdnjs.cloudflare.com	GET	/ajax/libs/bootstrap-datepicker/...					script	js

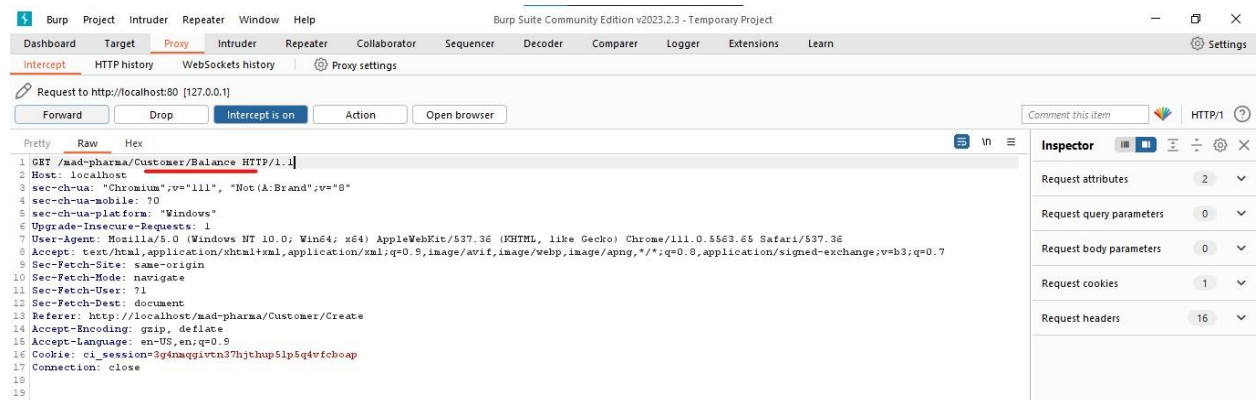
#### Request

```
1 GET /mad-pharma/Customer/Balance HTTP/1.1
2 Host: localhost
3 sec-ch-ua: "Chromium";v="111", "Not(A:Brand";v="8"
4 sec-ch-ua-mobile: ?0
5 sec-ch-ua-platform: "Windows"
6 Upgrade-Insecure-Requests: 1
7 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko)
  Chrome/111.0.5563.65 Safari/537.36
8 Accept:
  text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/*;q=0.8,appl
  ication/signed-exchange;v=b3;q=0.7
9 Sec-Fetch-Site: same-origin
10 Sec-Fetch-Mode: navigate
11 Sec-Fetch-User: ?1
12 Sec-Fetch-Dest: document
13 Referer: http://localhost/mad-pharma/Customer/Balance
14 Accept-Encoding: gzip, deflate
15 Accept-Language: en-US,en;q=0.9
16 Cookie: ci_session=uh7mehco5q7dft64eikimlqr16egmtm63
17 Connection: close
```

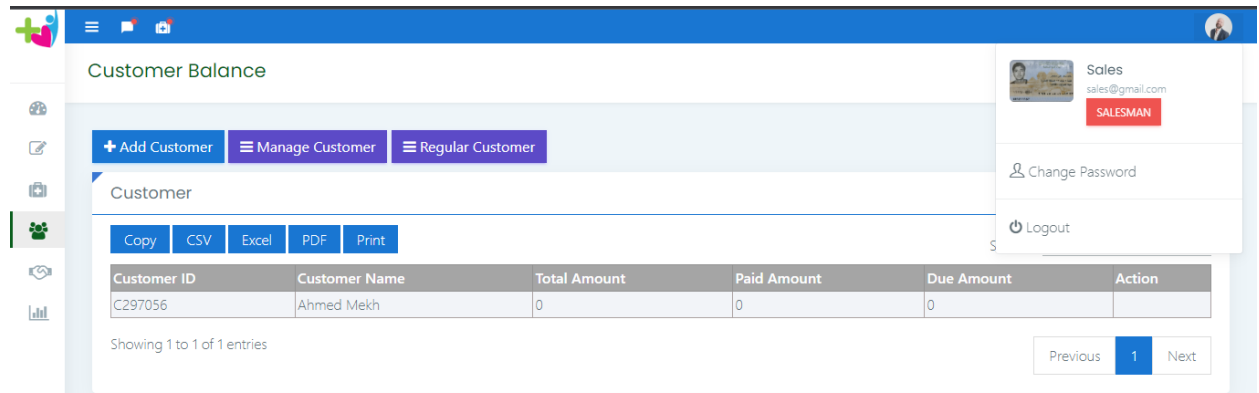
## Customer Create in Salesman Account



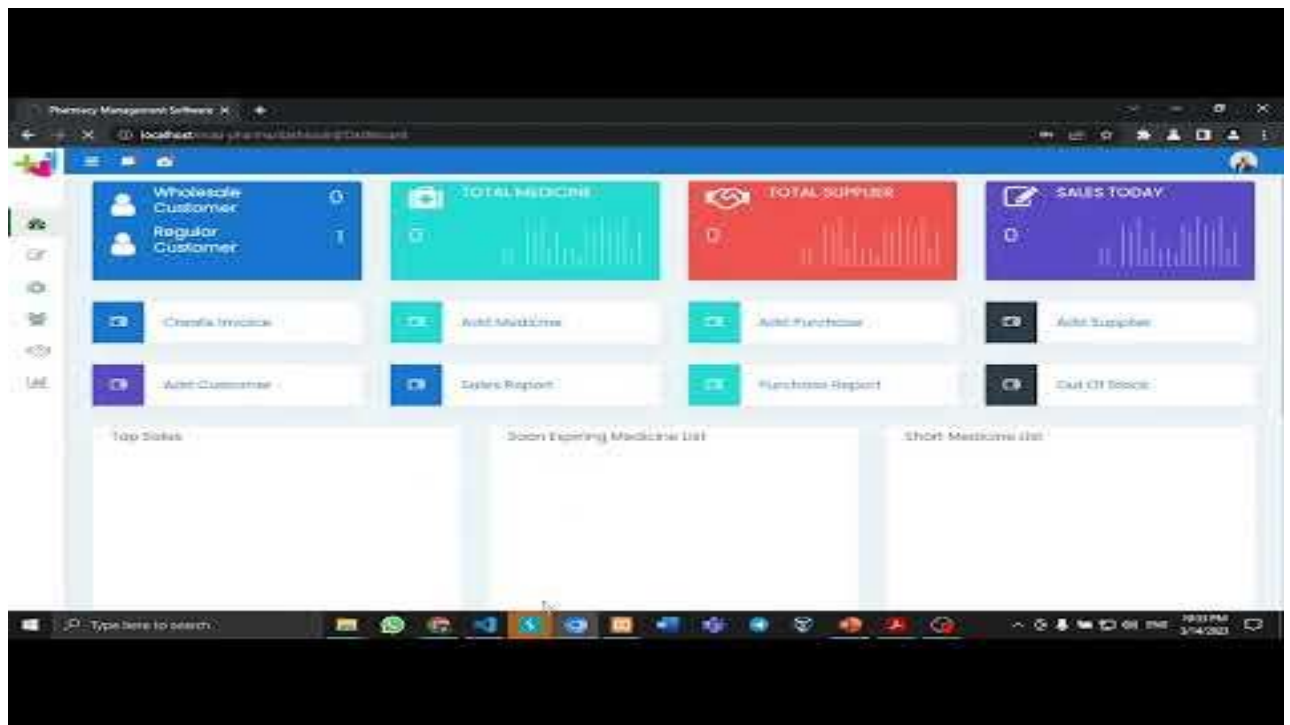
## Entered Get Request of Customer Balance(admin-only feature) instead in Salesman account



## Top right it's a Salesman account, but we are in Customer Balance Page



Demo Video for Vulnerability, Click it



## 2. Vulnerability fixing

We will go to “Customer\_Balance.php” and find out there is no condition to load this page, so we need to add an If condition that permits only Managers & Admins to load such page.

“Customer\_Balance.php” file location is: mad-pharma\application\views\backend

```
<?php
if($this->session->userdata('user_type') == 'ADMIN' ||
$this->session->userdata('user_type') == 'MANAGER')
{
    $this->load->view('backend/header');
    $this->load->view('backend/sidebar');
} else {
    redirect('dashboard/Dashboard');
}
?>
```

So, when we try again through Burp to manipulate GET request for “Salesman” to enter “Customer Balance” page it will redirect us to “Dashboard” page, this will be observed in the “Video below”.

Also, we will make sure that “Admin” can still access “Customer Balance” page normally.

**Click it.**

