

Vulnerability Research on private program

1. No rate limit on otp verification process on user verification system which can lead to otp bypass.

Step to Reproduce:-

- 1) Create an account with your email.
- 2) It will send an otp to your email collect the otp.
- 3) Enter a random otp of 6 digit. Before submit intercept the post request which contain the otp. Sent it to intruder.
- 4) In intruder brute force the otp with number. (For this poc I just brute force the last three digits from 750 to 780 as I know the otp).
- 5) Then you will be able to bypass the otp. (otp never expired)

The screenshot displays the Burp Suite Professional interface with a Snippet attack configured for the target `https://api.opedemy.com`. The attack is set to brute-force the last three digits of a 6-digit OTP, ranging from 750 to 780. The interface shows the attack configuration, including the target URL, the payload type (Numbers), and the number range (750 to 780). The results pane on the right shows the attack progress, with a table of requests, payloads, status codes, and response times. The final result shows a successful verification with the message "You are already Verified".

Request	Payload	Status code	Response...	Error	Timeout	Length	Comment
14	763	423	120		148		
15	764	423	141		993		
16	765	423	129		992		
17	766	423	164		994		
18	767	423	136		992		
19	768	423	146		990		
20	769	423	137		993		
21	770	423	101		996		
22	771	423	111		994		
23	772	423	109		998		
24	773	423	117		994		
25	774	423	107		993		
26	775	423	119		995		
27	776	423	122		989		
28	777	423	127		997		
29	778	423	109		997		
30	779	423	108		993		
31	780	423	91		1003		

The final response from the server is shown in the bottom pane:

```
{
  "detail": "You are already Verified"
}
```

RunProjectIntruderRepeaterViewHelp

DashboardTargetProxyIntruderRepeaterCollaboratorSequencerDecoderComparatorLoggerOrganizerExtensionsLearnATORv2.3.0

InterceptHTTP HistoryWebSockets historyMatch and replaceProxy settings

Filter settings: Hiding CSS, Image and general binary content

#	Host	Method	URL	Params	Edited	Status code	Length	MIME type	Extension type	Notes	TLS	IP	Cookies	Time	Live
514	https://www.facebook.com/	GET	hr/hp-575808908693072&ev=SubscribeButtonClicked&h=3p%3A2F%2Fopendemy.com/		✓	200	446	text		✓	157.240.23.35			20.329	0
515	https://www.facebook.com/	GET	hr/hp-216032171423538&ev=SubscribeButtonClicked&h=3p%3A2F%2Fopendemy.com/		✓	200	446	text		✓	157.240.23.35			20.329	0
517	https://www.facebook.com/	GET	hr/hp-575808908693072&ev=PageViewId&h=3p%3A2F%2Fopendemy.com/2/Flgk...		✓	200	446	text		✓	157.240.23.35			20.329	0
520	https://www.facebook.com/	GET	hr/hp-216032171423538&ev=PageViewId&h=3p%3A2F%2Fopendemy.com/2/Flgk...		✓	200	446	text		✓	157.240.23.35			20.329	0
521	https://opendemy.com/	GET	/_appimmutable/chunkId=0-lp4.js		✓	200	7277	script	js	✓	172.67.196.89			20.337	0
522	https://opendemy.com/	GET	/_appimmutable/nodes/13.DOWNkId.js		✓	200	7010	script	js	✓	172.67.196.89			20.337	0
523	https://opendemy.com/	GET	/_appimmutable/chunkIDCOW.js		✓	200	2218	script	js	✓	172.67.196.89			20.337	0
526	https://www.facebook.com/	POST	/hr/		✓	203	463			✓	157.240.23.35			20.340	0
527	https://www.facebook.com/	POST	/hr/		✓	203	463			✓	157.240.23.35			20.340	0
528	https://opendemy.com/	POST	/login		✓	200	1160	JSON		✓	172.67.196.89	user%3D78%		20.343	0
529	https://www.facebook.com/	GET	hr/hp-575808908693072&ev=SubscribeButtonClicked&h=3p%3A2F%2Fopendemy.com/		✓	200	444	text		✓	157.240.23.35			20.343	0
530	https://www.facebook.com/	GET	hr/hp-216032171423538&ev=SubscribeButtonClicked&h=3p%3A2F%2Fopendemy.com/		✓	200	444	text		✓	157.240.23.35			20.343	0

Request

PrettyRawHex

POST /login HTTP/2.0

Host: opendemy.com

Cookie: fbfpjs=1.1745945579573.3254793644728277790

Content-Length: 51

Sec-CH-UA-Platform: "Linux"

Accept-Language: en-US,en;q=0.9

Sec-CH-UA: "Chrome/v"=131", "Not A Brand";v="24"

Sec-CH-UA-Mobile: 10

User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/131.0.6778.104 Safari/537.36

Accept: application/javascript, text/html, */*;q=0.01

X-SwiftAction: https://www.facebook.com/

Content-Type: application/json

Sec-Patch-Set: name=origin

Sec-Patch-Node: cors

Sec-Patch-Data: empty

Referer: https://opendemy.com/login

Accept-Encoding: gzip, deflate, br

Priority: ucl, i

email=lorom9404@thoharivm.com&password=lorom4u40223

Response

PrettyRawHexRender

Content-Length: 47

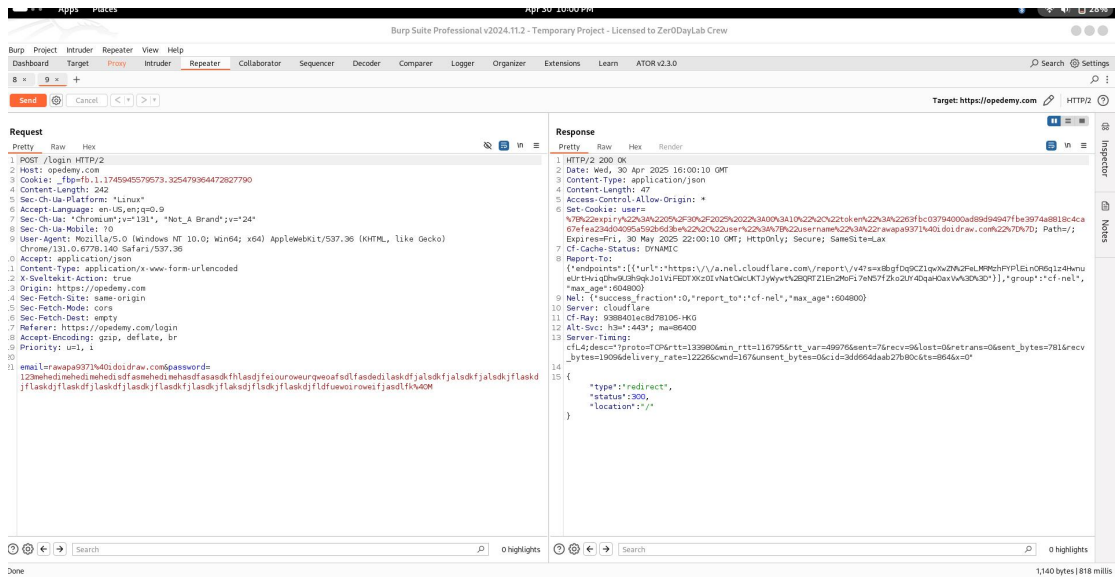
Access-Control-Allow-Origin: *

Set-Cookie: user%3D78%2&exp%3D2203092025020303A30%3A4%3A220309202

3. Weak password policy --> password has no maximum length.

Step to Reproduce:-

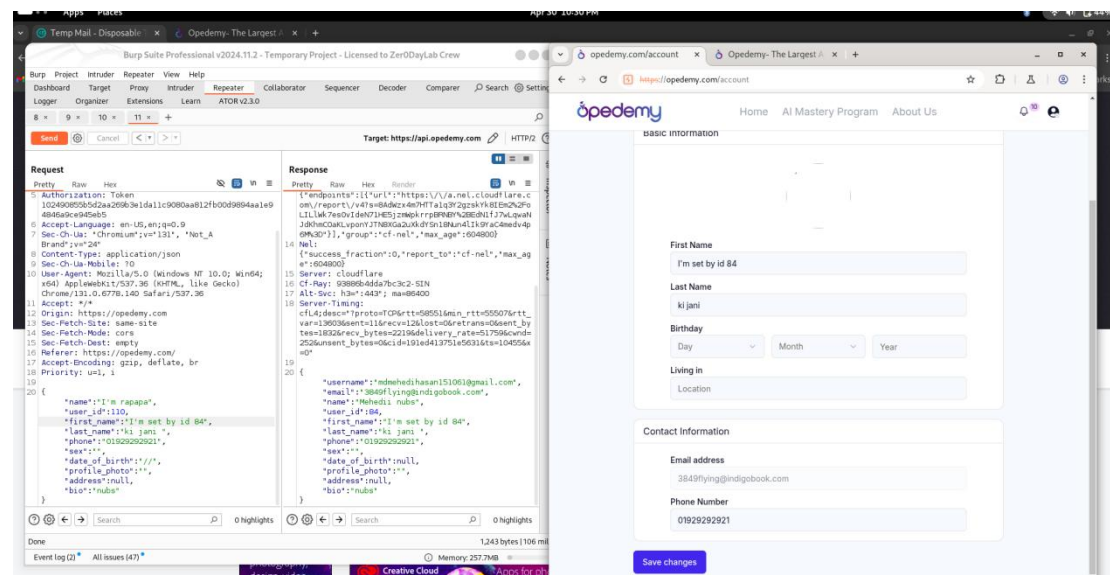
- 1) Create an account with a password as long as possible containing a special character, a number and a capital letter.
- 2) Try to login with that such long password, notice that you can login
- 3) It will accept the password without validation the maximum length of password.



4. Broken Access Control --> any user can modify other users portfolio info

Step to Reproduce:-

1. Create two accounts.
2. Login in any account and go to account setting.
3. Try to modify the personal information and intercept this request with burp. In burp you will see user_id parameter in this put request. Note that user_id.
4. Now login into another account and go to account setting page. Try to modify the personal info like the previous one and capture the request in burp. Here you also see another user_id. Now change the user_id with the previous user_id. Modify any information you like and make a note the change you made.
5. Finally login into your first account and go to the account setting>personal info. Then you will notice that the information is modified by the information which you modify from 2nd account.
6. That's mean you can modify personal info of others.



5. No rate limit otp varification for password reset.

Step to Reproduce:-

1. Go to signin page enter your email.
2. click the forgotten password. Then it will ask to enter your email. Enter the email.
3. You will notice an otp already sent to your mailbox note the otp.
4. After one minute click resent otp. It will again sent otp.
5. Now use the first otp .
6. Finally you can reset your password using old otp. (When 2nd otp was sent 1st otp should be invalid but in this case 1st otp still working).

← Go Back

Reset your password

Enter the new password for your Opedemy account.

Password

New Password

•••••••••

Hint: Minimum one uppercase letter, a number, a Special character, must be 9 characters and no repetitive words or common words.

Save new password

Have an account? [Log in here](#)

Call us for any assistance [+8801711651535](tel:+8801711651535)

6.File upload vulnerability

Step to Reproduce:

1. Log in and go to your account.
2. Go to My portfolio.
3. Try to upload any kind of file.
4. You will notice no restriction to upload a file.

7.Email injection modifying the first name reflect on email in mailbox.

Step to reproduce:-

1. Login to your account.
2. Go to My Account>> Account settings >>Personal Info.
3. Update your info.
4. Now logout
5. Go to login page again.
6. Click forgotten password and enter your email.
7. You will receive an email. Notice the email here you will see that the modification you made with your first name is reflected here and html tag also implemented here.(In our case we use <h1> <i> tag and it works here.)

Basic Information

First Name

<h1><i>romolA</i></h1>

Last Name

<i>romola last</i>

Birthday

Day

Month

Year

Living in

</i>BD</i>

Contact Information

Email address

romola9416@harinv.com

Phone Number

01478523690

Save changes



Verification Needed

Dear

romola

,

We have received a sign-in request from:

Account: **romola9416@harinv.com**

Time: **2025-04-12 08:17:15 GMT+6**

Location: **Dhaka, Bangladesh**

To ensure the security of your account, we've generated a One-Time Password (OTP) for you. **Your OTP is:**

4 0 9 3 4 1

This is valid for the next 10 minutes. Please enter the **OTP** to proceed with your action.

If you do not recognize the sign-in request, please ignore this email or contact our support team at support@opedemy.com.



Alpha Capital 2024 Award-
Winning Firm

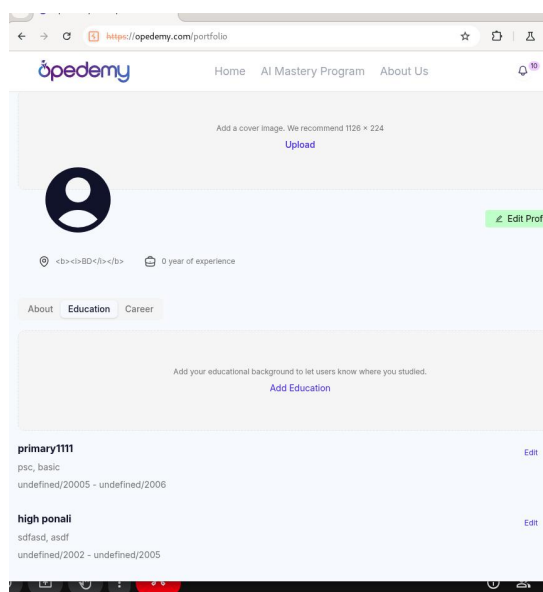
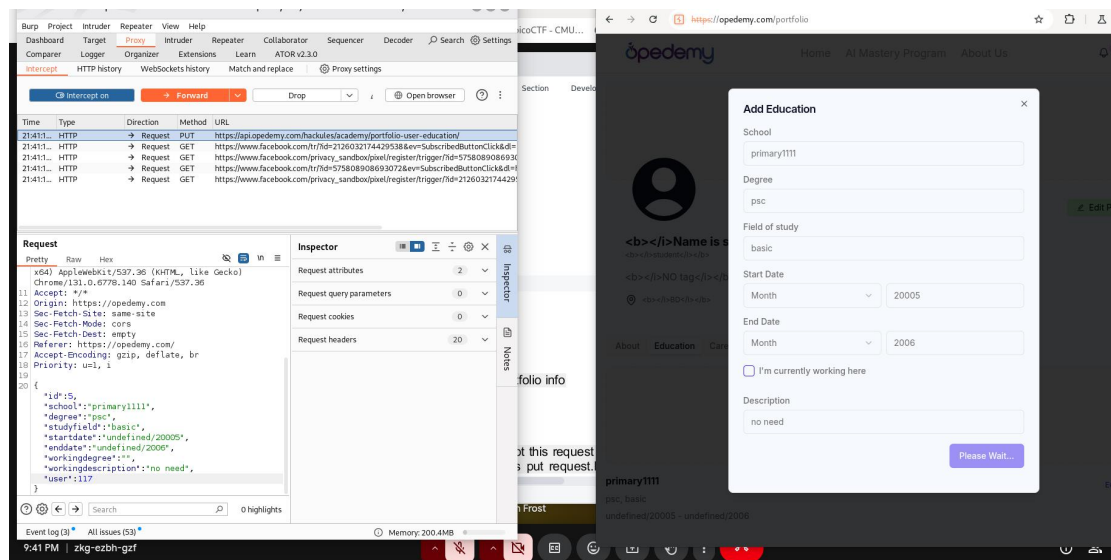
[Learn More](#)



8. Broken Access control-One student can modify other students info.

Step to Reproduce:-

1. Create two accounts.
2. login to any account as you like.
3. Go to My account>>My portfolio>>Education.
4. Enter your info .(Follow step 2,3 and 4 for both accounts).
5. Now you have educational info in both of your accounts.
6. Login to any account and try to edit education info intercept this request.You will notice there is a put request and here you will see you modified info with your user id note this user id (not the only id).
7. Now login to your 2nd account and edit your educational info and intercept this request.Here you will see your modified info with your user id.Now swap your use id with your previous user id and forward the request.
8. Logout from your 2nd account and login to your 1st account and look your educational info.You will notice the modification you made for 2nd account is modified for 1st account.



9.Information Disclosure

Step to Reproduce:-

1. Vigit “https://api.opedemy.com/hackules/academy/”

