

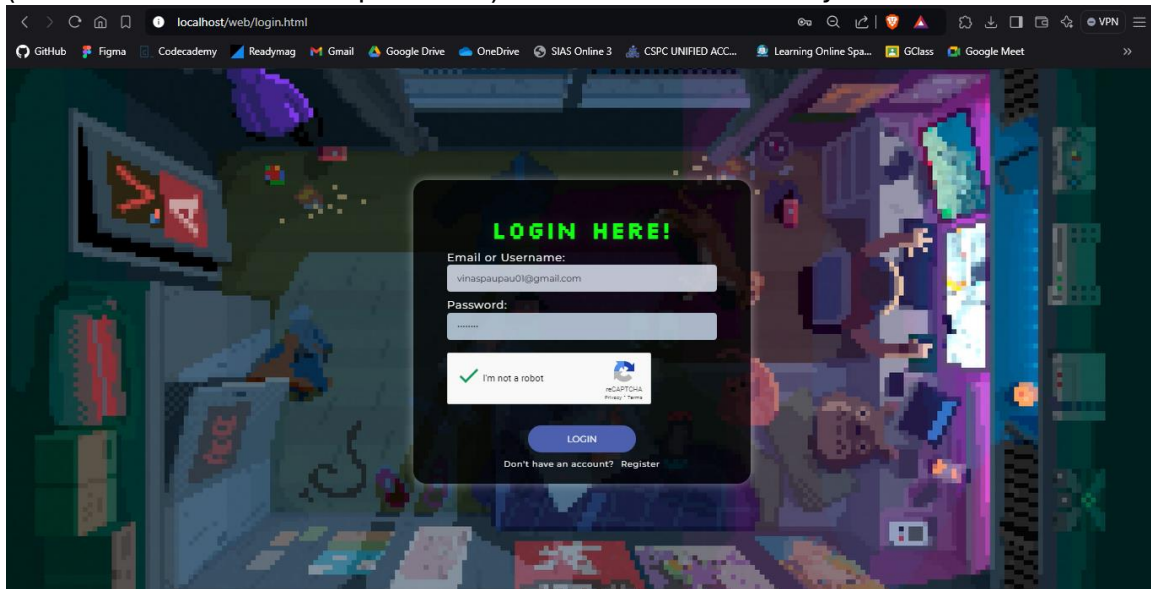
STATUS UPDATE

(WEBSITE)

User Authentication & Security for a System :

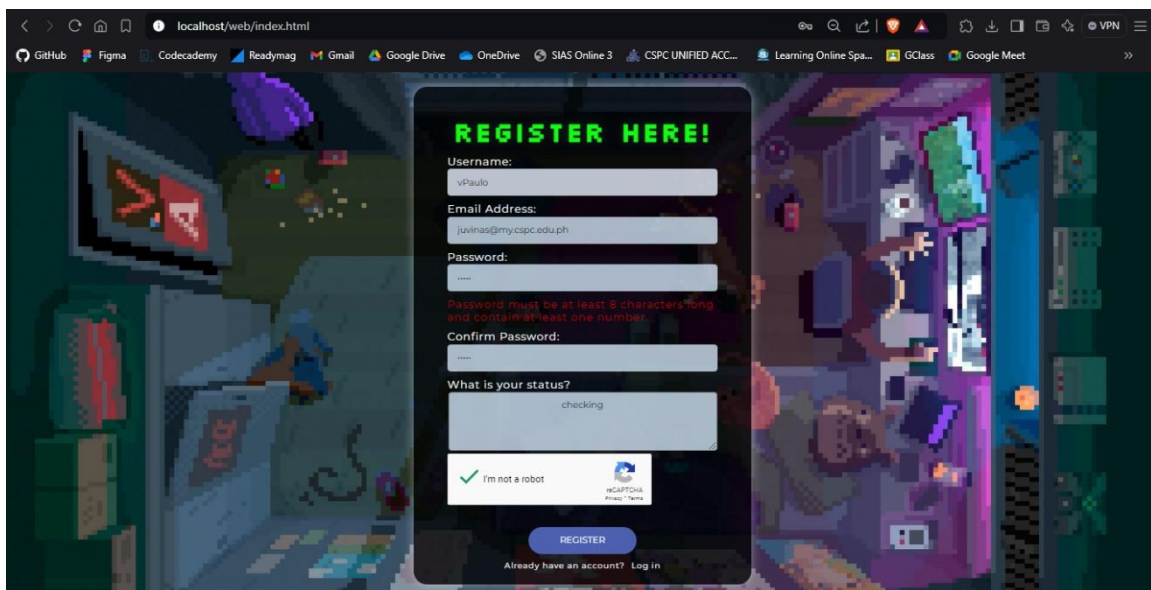
1. Username and Password Authentication

This security method of user authentication requires users to input their credentials (such as a username and password) in order to access the system.

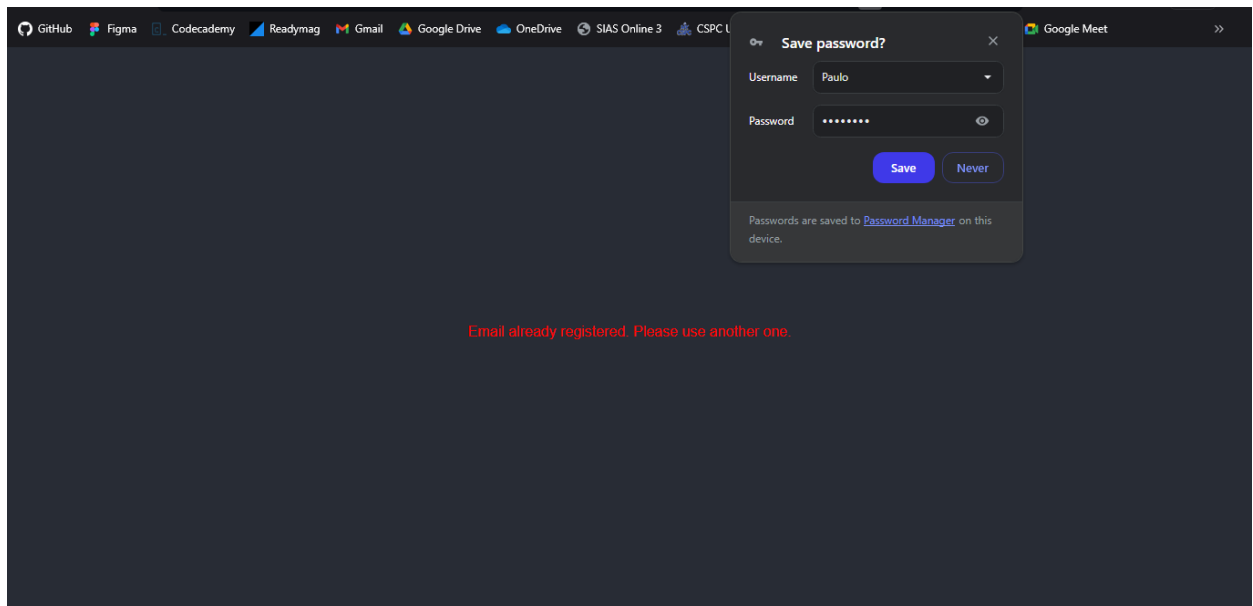
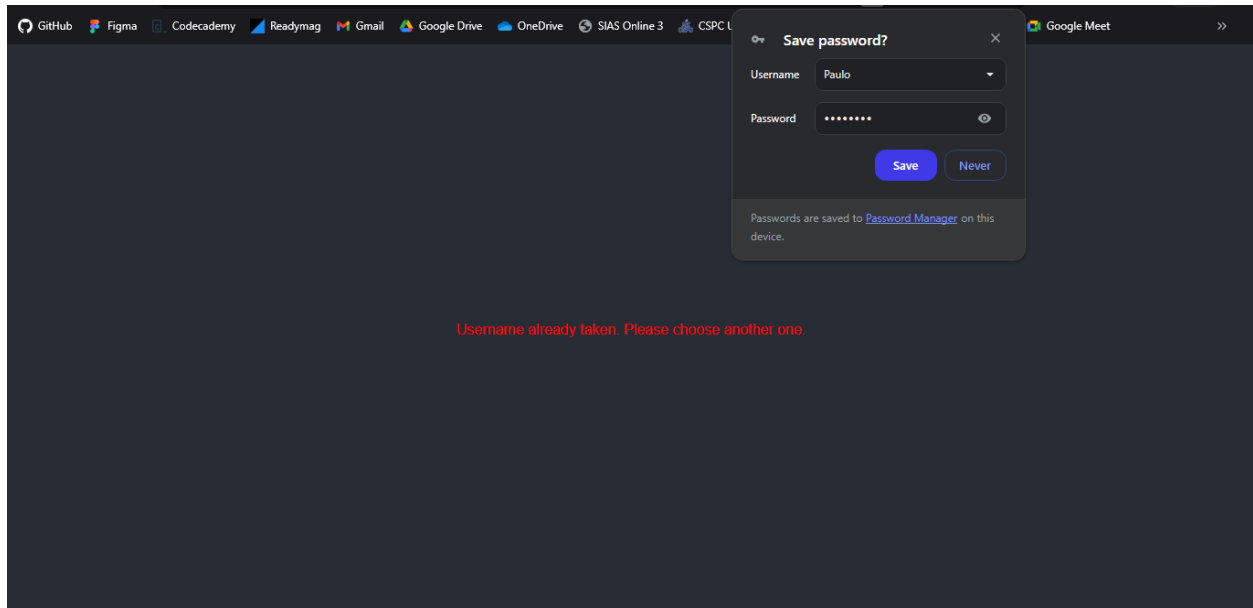


The screenshot shows a web browser window with the address bar displaying 'localhost/web/login.html'. The page features a dark, pixelated background with a central login form. The form is titled 'LOGIN HERE!' in green. It contains two input fields: 'Email or Username:' with the value 'vinaspau0@gmail.com' and 'Password:'. Below these fields is a CAPTCHA challenge with the text 'I'm not a robot' and a 'LOGIN' button. At the bottom of the form, there is a link that says 'Don't have an account? Register'.

When creating an account, the username and password should not be duplicated; otherwise, the account cannot be created. Also, the password should have 8 characters and at least one number.

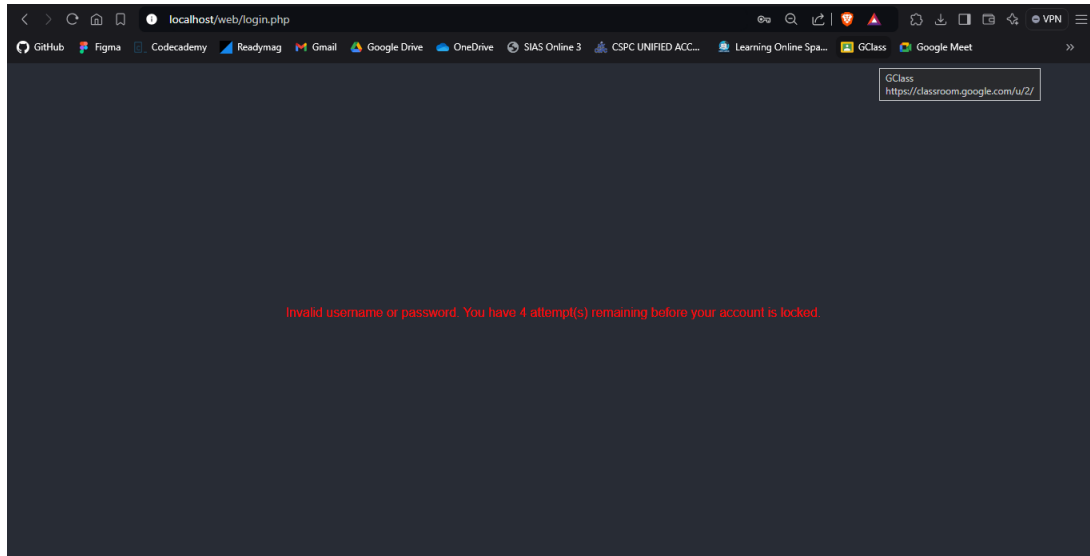


The screenshot shows a web browser window with the address bar displaying 'localhost/web/index.html'. The page features a dark, pixelated background with a central registration form. The form is titled 'REGISTER HERE!' in green. It contains four input fields: 'Username:' with the value 'vPaulo', 'Email Address:' with the value 'juvinas@my.cspc.edu.ph', 'Password:', and 'Confirm Password:'. Below the password fields is a red error message: 'Password must be at least 8 characters long and contain at least one number'. There is also a 'What is your status?' field with the value 'checking'. At the bottom of the form, there is a CAPTCHA challenge with the text 'I'm not a robot' and a 'REGISTER' button. At the very bottom, there is a link that says 'Already have an account? Log in'.

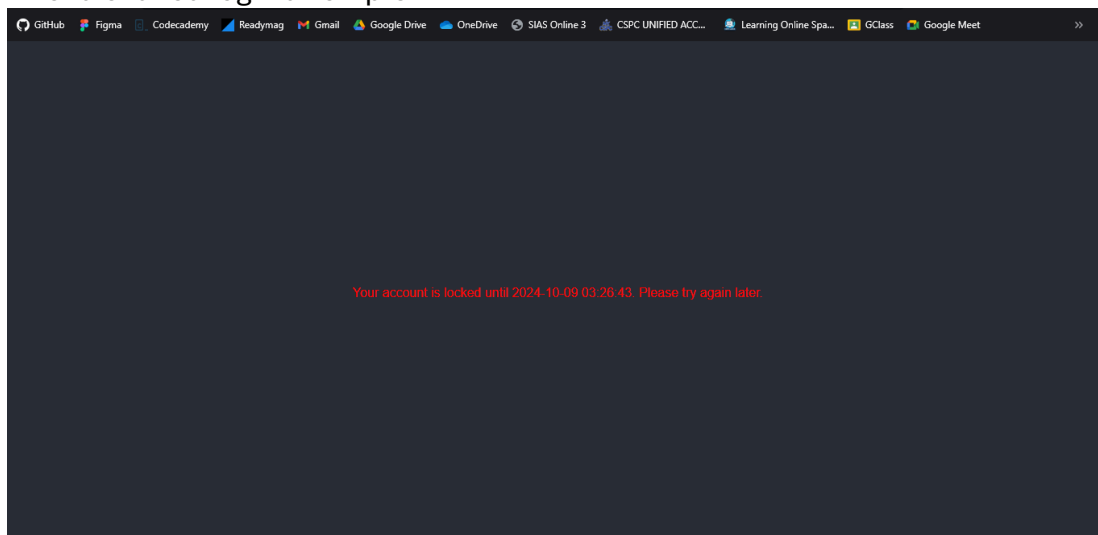


2. Account Lockout Mechanism

This security feature locks an account for 15 minutes after 5 failed login attempts to prevent unauthorized access.



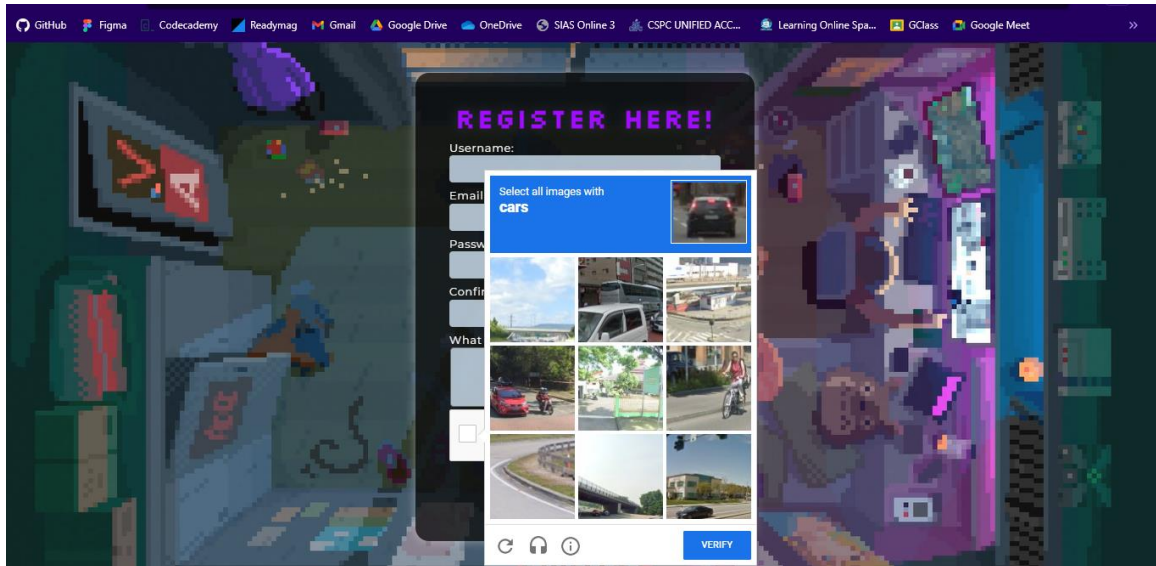
After a 5 failed login attempts



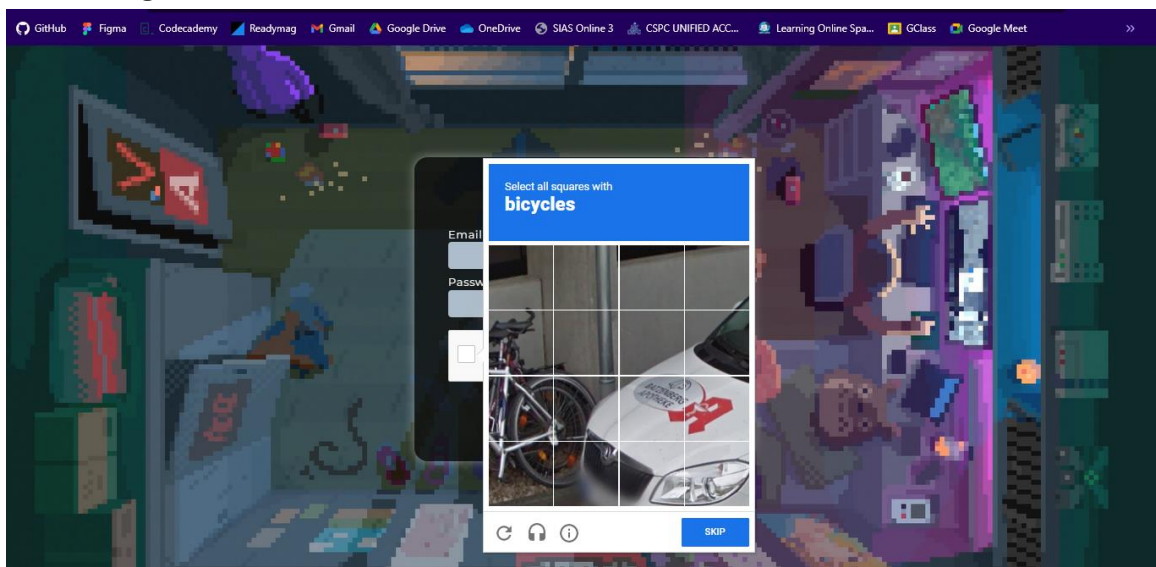
3. Captcha or reCAPTCHA Integration

This security feature will protect users from bots by asking them to complete challenges (such as picture selection) upon login or registration.

- For Register :



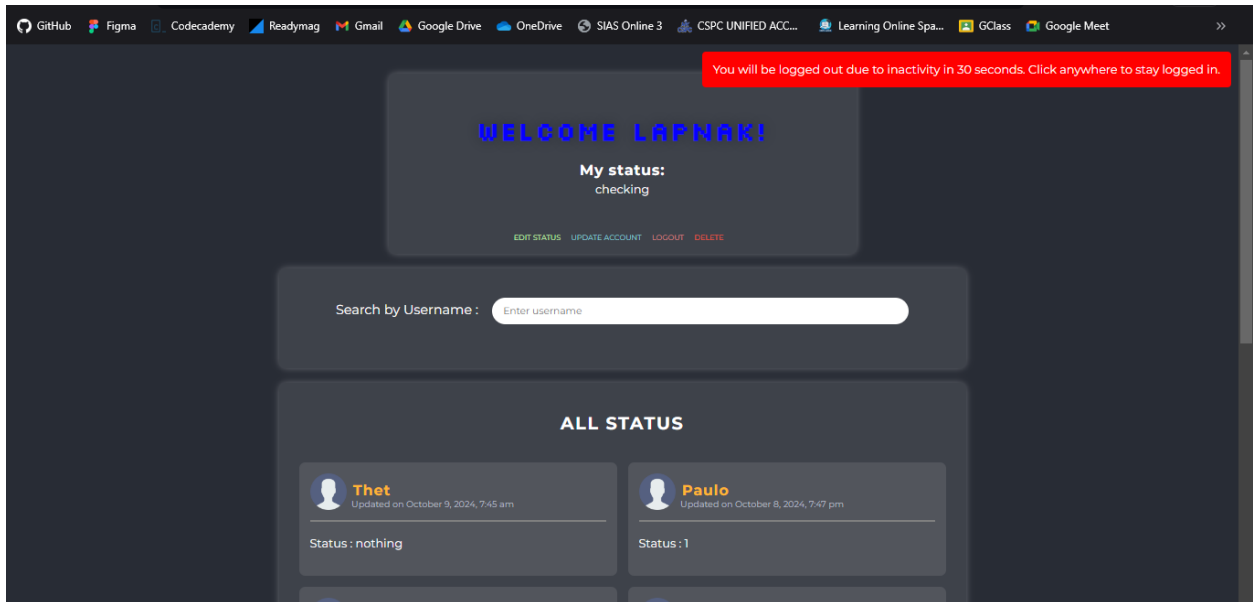
- For Log In :





4. Session Management and Timeout

























This security feature efficiently manages user sessions, including auto-logout after 3 minutes of inactivity for better security.









Before the session expires (approximately 3 minutes), an alert pop-up appears (in 30 seconds, it will automatically log out).




The database we used :

 Table structure
  Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	id	int(11)			No	None		AUTO_INCREMENT	 Change  Drop  More
<input type="checkbox"/> 2	email	varchar(100)	utf8mb4_general_ci		No	None			 Change  Drop  More
<input type="checkbox"/> 3	password	varchar(100)	utf8mb4_general_ci		No	None			 Change  Drop  More
<input type="checkbox"/> 4	username	varchar(100)	utf8mb4_general_ci		No	None			 Change  Drop  More
<input type="checkbox"/> 5	status	varchar(1000)	utf8mb4_general_ci		No	None			 Change  Drop  More
<input type="checkbox"/> 6	datetime	datetime			No	current_timestamp()			 Change  Drop  More
<input type="checkbox"/> 7	failed_attempts	int(11)			Yes	0			 Change  Drop  More
<input type="checkbox"/> 8	locked_until	datetime			Yes	NULL			 Change  Drop  More

☐ Check all
 With selected:  Browse  Change  Drop  Primary  Unique  Index  Spatial  Fulltext



Recent
 Favorites

New

finals

New

user_status

information_schema

mysql

performance_schema

phpmyadmin

test

Server: 127.0.0.1 Database: finals Table: user_status





Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all Number of rows: 100 Filter rows: Search this table Sort by key: None

Extra options




	id	email	password	username	status	datetime	failed_attempts	locked_until
<input type="checkbox"/> Edit Copy Delete	58	johpajenago@my.cspc.edu.ph	202cb962ac59075b964b07152d234b70	Ragnarok	Debugging	2023-12-13 16:23:34	0	NULL
<input type="checkbox"/> Edit Copy Delete	63	edelyn	4042b8db27d13ae3ee3c5c2445070604	edelyn tormes	opo i'm okay, i'm fine gwenchana gwenchana teng ne.	2023-12-14 05:21:35	0	NULL
<input type="checkbox"/> Edit Copy Delete	64	komonoy_enjoyer	357b761710a63ffe303e6946eb494e30	Komonoy Enjoyer	Enjoying life, like komonoy	2023-12-14 05:24:22	0	NULL
<input type="checkbox"/> Edit Copy Delete	68	jmd	c4ca4238a0b923820dcc509a6f75849b	John Mark David	driving to buhi	2023-12-14 15:29:37	0	NULL
<input type="checkbox"/> Edit Copy Delete	71	panak	c4ca4238a0b923820dcc509a6f75849b	Rick	okaaay naaa	2023-12-15 02:20:27	0	NULL
<input type="checkbox"/> Edit Copy Delete	73	josedelima@my.cspc.edu.ph	a384b6463fc216a5f8ecb6670f86456a	Philip	g lng	2023-12-15 04:16:20	0	NULL
<input type="checkbox"/> Edit Copy Delete	76	test	098fbcc4621d373cade4e832627b4f6	test	test ajax	2023-12-15 05:05:14	0	NULL
<input type="checkbox"/> Edit Copy Delete	78	Harvey	827ccb0eea8a706c4c34a16891f84e7b	Harvey Gabiola	nag ooverthink	2023-12-16 04:45:49	0	NULL
<input type="checkbox"/> Edit Copy Delete	87	vinaspaupau01@gmail.com	c4ca4238a0b923820dcc509a6f75849b	Paulo	1	2024-10-08 19:47:13	6	2024-10-09 03:26:43
<input type="checkbox"/> Edit Copy Delete	97	vinasmathet@gmail.com	25d55ad283aa400af464c76d713c07ad	Thnet	nothing	2024-10-09 07:45:57	6	2024-10-09 03:28:00
<input type="checkbox"/> Edit Copy Delete	98	jobabila@my.cspc.edu.ph	25d55ad283aa400af464c76d713c07ad	lapnak	checking	2024-10-09 08:07:03	0	NULL

☐ Check all With selected:  Edit  Copy  Delete  Export

Console



Group Member :

	Judah Paulo Viñas
	Roland Joseph Cordez
	John Rick Babila