**SEARCH FOR A USER AND RETURN ASSOCIATIVE ARRAY RESPONSE - ACTIVITY**

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**SECTION: UCOS 3-2**

**INSTRUCTIONS.**

- Our goal for this activity is to improve the **JOB APPLICATION SYSTEM** you just created. How are you going to identify the user who created the applicant? We can implement a login/registration feature. How can we identify which applicants' data are inserted, updated, or deleted? We can create the activity_logs table like I did from the recent lecture.

- What you must submit here is the last system you created but now, with a **LOGIN/REGISTRATION** and monitoring of **ACTIVITY LOGS** feature. Please keep in mind that all activity logs from users should be stored, **INSERTION, UPDATING, DELETION** and even search keywords a **USER SEARCHED**.

1. What does your entire SQL schema look like? Paste a screenshot below.

```sql
1  CREATE DATABASE IF NOT EXISTS job_application_system;
2  USE job_application_system;
3
4  CREATE TABLE IF NOT EXISTS applicants (
5      id INT AUTO_INCREMENT PRIMARY KEY,
6      full_name VARCHAR(100) NOT NULL,
7      email VARCHAR(100) UNIQUE NOT NULL,
8      phone VARCHAR(20) NOT NULL,
9      qualification TEXT NOT NULL,
10     experience INT NOT NULL,
11     created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP
12 );
13 CREATE TABLE users (
14     id INT AUTO_INCREMENT PRIMARY KEY,
15     username VARCHAR(50) NOT NULL UNIQUE,
16     password VARCHAR(255) NOT NULL,
17     created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP
18 );
19 CREATE TABLE activity_logs (
20     id INT AUTO_INCREMENT PRIMARY KEY,
21     user_id INT NOT NULL,
22     activity_type ENUM('insert', 'update', 'delete', 'search') NOT NULL,
23     activity_details TEXT NOT NULL,
24     created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
25     FOREIGN KEY (user_id) REFERENCES users(id) ON DELETE CASCADE
26 );
```

2. Please paste a Google Drive link below of a video presentation where you **create a new applicant, edit an applicant, delete an applicant, search for an applicant,** and an indication that each activity is inserted to the activity logs table. Every row stored there should contain the **USERNAME** of whoever **PERFORMED THE ACTION** and the **DATE ADDED**. Please make sure you set the visibility to **anyone with a link**.

https://drive.google.com/file/d/149FznSCwA3XT8qaEZBELzrxfgtd3UyEv/view?usp=sharing

3. Paste the GitHub link of your job application system below.

https://github.com/MarcAndrie/ACTIVITY-LOGS---ACTIVITY.git