

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.

```
1 CREATE TABLE applicants (
2   id INT AUTO_INCREMENT PRIMARY KEY,
3   username VARCHAR(50) NOT NULL UNIQUE,
4   first_name VARCHAR(50) NOT NULL,
5   last_name VARCHAR(50) NOT NULL,
6   email VARCHAR(100) NOT NULL UNIQUE,
7   phone VARCHAR(20) NOT NULL,
8   address VARCHAR(255),
9   position VARCHAR(50) NOT NULL,
10  date_applied TIMESTAMP DEFAULT CURRENT_TIMESTAMP
11 );
12
13 CREATE TABLE users (
14   id INT AUTO_INCREMENT PRIMARY KEY,
15   user_id INT,
16   username VARCHAR(50) NOT NULL UNIQUE,
17   password VARCHAR(255) NOT NULL,
18   email VARCHAR(100),
19   role ENUM('admin', 'user') DEFAULT 'user',
20   created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP
21 );
22
23 CREATE TABLE action_logs (
24   id INT AUTO_INCREMENT PRIMARY KEY,
25   user_id INT,
26   action VARCHAR(255) NOT NULL,
27   details TEXT,
28   timestamp TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
29   FOREIGN KEY (user_id) REFERENCES users(id) ON DELETE SET NULL
30 );
```

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/drive/folders/1vjliSQn2c0qwXGjEQvo3nONy28jAXhD6?usp=sharing>

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

<https://github.com/isayasi/ACTIVITY-LOGS>