

SEARCH FOR A USER AND RETURN ASSOCIATIVE ARRAY RESPONSE - ACTIVITY

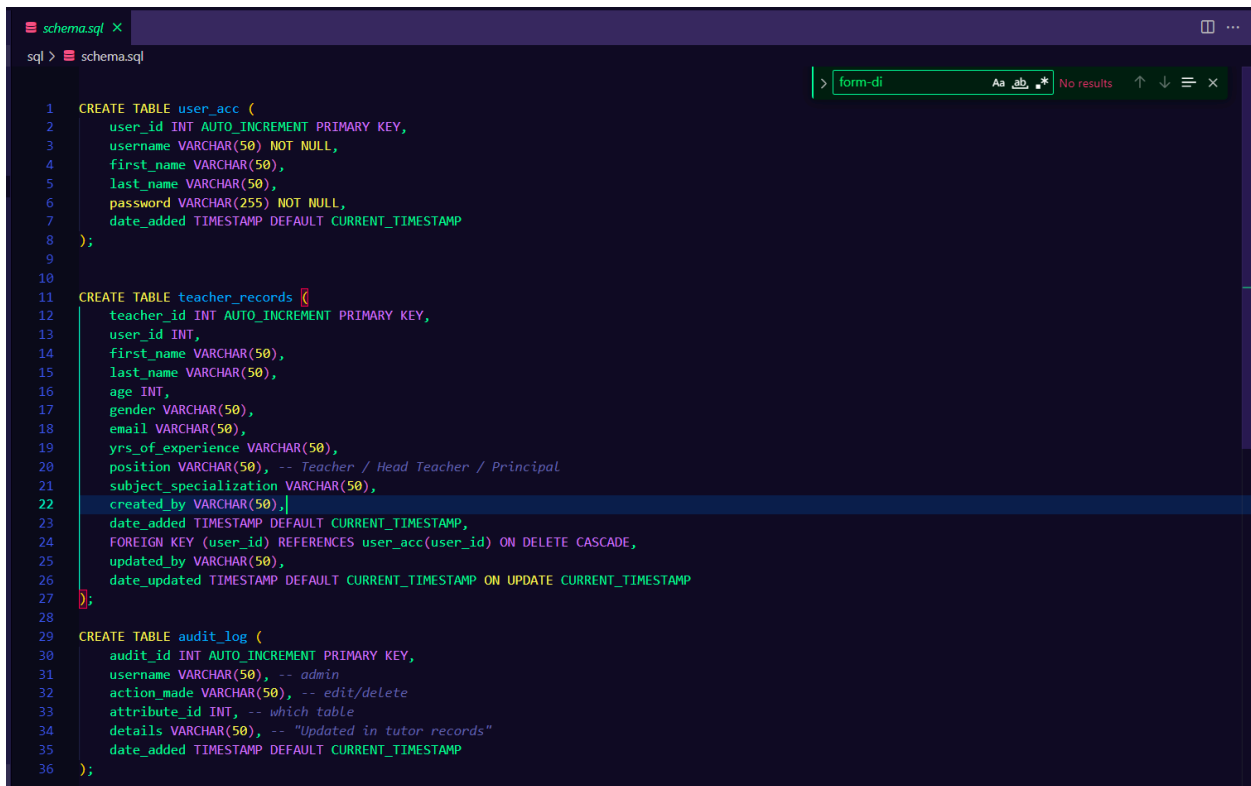
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SECTION: UCOS 3-1

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 user_acc (
2     user_id INT AUTO_INCREMENT PRIMARY KEY,
3     username VARCHAR(50) NOT NULL,
4     first_name VARCHAR(50),
5     last_name VARCHAR(50),
6     password VARCHAR(255) NOT NULL,
7     date_added TIMESTAMP DEFAULT CURRENT_TIMESTAMP
8 );
9
10
11 CREATE TABLE teacher_records (
12     teacher_id INT AUTO_INCREMENT PRIMARY KEY,
13     user_id INT,
14     first_name VARCHAR(50),
15     last_name VARCHAR(50),
16     age INT,
17     gender VARCHAR(50),
18     email VARCHAR(50),
19     yrs_of_experience VARCHAR(50),
20     position VARCHAR(50), -- Teacher / Head Teacher / Principal
21     subject_specialization VARCHAR(50),
22     created_by VARCHAR(50),
23     date_added TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
24     FOREIGN KEY (user_id) REFERENCES user_acc(user_id) ON DELETE CASCADE,
25     updated_by VARCHAR(50),
26     date_updated TIMESTAMP DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP
27 );
28
29 CREATE TABLE audit_log (
30     audit_id INT AUTO_INCREMENT PRIMARY KEY,
31     username VARCHAR(50), -- admin
32     action_made VARCHAR(50), -- edit/delete
33     attribute_id INT, -- which table
34     details VARCHAR(50), -- "Updated in tutor records"
35     date_added TIMESTAMP DEFAULT CURRENT_TIMESTAMP
36 );
```

```
database.sql x
sql > database.sql
1 insert into teacher_records (teacher_id, first_name, last_name, age, gender, email, yrs_of_experience, position, subject_specialization, date_added)
  values (1, 'Aggie', 'Luckhurst', 22, 'Genderfluid', 'aluckhurst@booking.com', 12, 'Teacher', 'History', '2022-03-08');
2 insert into teacher_records (teacher_id, first_name, last_name, age, gender, email, yrs_of_experience, position, subject_specialization, date_added)
  values (2, 'Rocky', 'Dulieu', 35, 'Male', 'rdulieu@ft.com', 30, 'Teacher', 'Science', '2022-07-02');
3 insert into teacher_records (teacher_id, first_name, last_name, age, gender, email, yrs_of_experience, position, subject_specialization, date_added)
  values (3, 'Eileen', 'Cheshire', 41, 'Female', 'echeshire2@guardian.co.uk', 4, 'Principal', 'History', '2022-06-07');
4 insert into teacher_records (teacher_id, first_name, last_name, age, gender, email, yrs_of_experience, position, subject_specialization, date_added)
  values (4, 'Carson', 'Wray', 23, 'Male', 'cwrays3@zimbio.com', 3, 'Principal', 'Art', '2021-05-05');
5 insert into teacher_records (teacher_id, first_name, last_name, age, gender, email, yrs_of_experience, position, subject_specialization, date_added)
  values (5, 'Tait', 'Phillimore', 59, 'Male', 'tphillimore4@csmonitor.com', 18, 'Teacher', 'History', '2020-06-25');
6 insert into teacher_records (teacher_id, first_name, last_name, age, gender, email, yrs_of_experience, position, subject_specialization, date_added)
  values (6, 'Bobbie', 'St. Paul', 52, 'Non-binary', 'bstpaul5@comcast.net', 17, 'Principal', 'Music', '2021-12-05');
7 insert into teacher_records (teacher_id, first_name, last_name, age, gender, email, yrs_of_experience, position, subject_specialization, date_added)
  values (7, 'Quent', 'Erlam', 25, 'Male', 'qerlam@ebay.com', 50, 'Teacher', 'Math', '2020-02-02');
8 insert into teacher_records (teacher_id, first_name, last_name, age, gender, email, yrs_of_experience, position, subject_specialization, date_added)
  values (8, 'Noelyn', 'Rutty', 62, 'Female', 'nrutty7@bluehost.com', 43, 'Teacher', 'Science', '2022-03-15');
9 insert into teacher_records (teacher_id, first_name, last_name, age, gender, email, yrs_of_experience, position, subject_specialization, date_added)
  values (9, 'Lev', 'Saberton', 35, 'Male', 'lsaberton8@t.co', 39, 'Teacher', 'English', '2022-12-03');
10 insert into teacher_records (teacher_id, first_name, last_name, age, gender, email, yrs_of_experience, position, subject_specialization, date_added)
  values (10, 'Ceciley', 'Birkinshaw', 30, 'Female', 'cbirkinshaw9@odnoklassniki.ru', 6, 'Principal', 'Music', '2021-06-05');
11 insert into teacher_records (teacher_id, first_name, last_name, age, gender, email, yrs_of_experience, position, subject_specialization, date_added)
  values (11, 'Marcile', 'Hawton', 52, 'Female', 'mhawtona@youtu.be', 12, 'Teacher', 'English', '2022-08-17');
12 insert into teacher_records (teacher_id, first_name, last_name, age, gender, email, yrs_of_experience, position, subject_specialization, date_added)
  values (12, 'Joellyn', 'Townson', 63, 'Female', 'jtownsonb@bloomberg.com', 16, 'Principal', 'History', '2020-04-19');
13 insert into teacher_records (teacher_id, first_name, last_name, age, gender, email, yrs_of_experience, position, subject_specialization, date_added)
  values (13, 'Sara-ann', 'Heatherington', 67, 'Female', 'sheatheringtonc@jiathis.com', 0, 'Head Teacher', 'Math', '2021-12-16');
14 insert into teacher_records (teacher_id, first_name, last_name, age, gender, email, yrs_of_experience, position, subject_specialization, date_added)
  values (14, 'Barbara-anne', 'O'Flaverty', 27, 'Female', 'boflavertyd@daily motion.com', 46, 'Teacher', 'Math', '2021-02-21');
15 insert into teacher_records (teacher_id, first_name, last_name, age, gender, email, yrs_of_experience, position, subject_specialization, date_added)
  values (15, 'Lenard', 'Relph', 63, 'Male', 'lrelphe@wikimedia.org', 9, 'Teacher', 'English', '2022-05-09');
16 insert into teacher_records (teacher_id, first_name, last_name, age, gender, email, yrs_of_experience, position, subject_specialization, date_added)
  values (16, 'Mickey', 'Hamby', 68, 'Male', 'mhambyf@hhs.gov', 6, 'Head Teacher', 'Music', '2021-06-16');
17 insert into teacher_records (teacher_id, first_name, last_name, age, gender, email, yrs_of_experience, position, subject_specialization, date_added)
  values (17, 'Winslow', 'Bullier', 69, 'Male', 'wbullierg@google.co.uk', 34, 'Principal', 'Science', '2021-12-11');
18 insert into teacher_records (teacher_id, first_name, last_name, age, gender, email, yrs_of_experience, position, subject_specialization, date_added)
  values (18, 'Gillie', 'Cawdron', 61, 'Female', 'gcawdronh@weebly.com', 50, 'Head Teacher', 'History', '2020-09-10');
19 insert into teacher_records (teacher_id, first_name, last_name, age, gender, email, yrs_of_experience, position, subject_specialization, date_added)
  values (19, 'Jackelyn', 'Beaumont', 59, 'Female', 'jbeaumonti@bravesites.com', 8, 'Teacher', 'English', '2021-08-13');
20 insert into teacher_records (teacher_id, first_name, last_name, age, gender, email, yrs_of_experience, position, subject_specialization, date_added)
```

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/1cb8IVvaVaMeWPysr_7Cy-uB9YR2ag2Uv?usp=sharing

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

https://github.com/ArjoshCruz/SEARCH-FOR-A-USER-AND-RETURN-ASSOCIATIVE-ARRAY-RESPONSE_ACTIVITY