1. STUDENT NAME:

Andrew Rush

2. URL to STUDENT WEB SITE:

https://cis-linux2.temple.edu/tomcat10/fa24_3308_tuj55961/index.html

- 3. user role TABLE DESIGN
- 4. web_user TABLE DESIGN and FOREIGN KEY
- 5. "OTHER" TABLE DESIGN and FOREIGN KEY

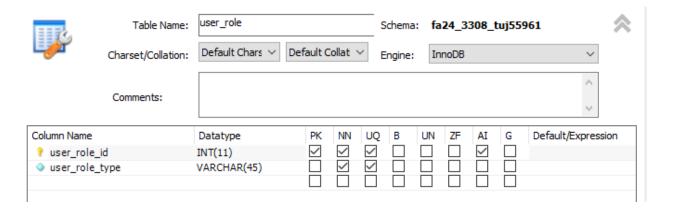
6. DATA ENTRY ERRORS

- a) Error: Duplicate user_role PK
- b) Error: Invalid user_role FK in web_user record
- c) Error: Cannot delete a user role record that's referenced by a web user record
- d) Invalid web user FK in "other" record
- e) Error trying to delete a web_user record that's referenced by an "other" record

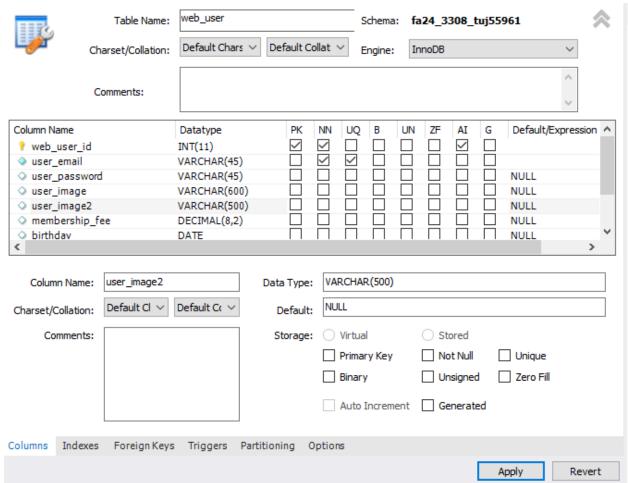
7. SELECT STATEMENTS

- a) USER_ROLE: all rows, all columns, sorted by user_role_id.
- b) WEB_USER: all rows, all columns, sorted by web_user_id.
- c) WEB_USER JOINED WITH USER_ROLE: all rows, certain columns, sorted.
- d) "OTHER": all rows, all columns, sorted by the id of your "other" table.
- e) "OTHER" JOINED WITH WEB_USER all rows, certain columns, sorted.
- f) "OTHER" JOINED WITH WEB USER some rows, certain columns, sorted.

Create user_role

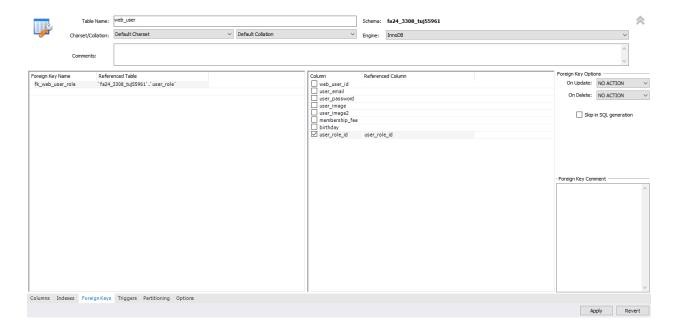


Create web_user



*instructions for this lab activity indicate that we should add two rows with "user_image" in this step, from my screenshot you can see that I changed the name of one of them to "user_image2". This is because if I try to add two rows with the same column name, I get an error which prevents me from applying the SQL script to the database, regardless of the fact that the datatypes are different (500) and (600). Specifically, it generates: ERROR 1060: Duplicate column name 'user_image'

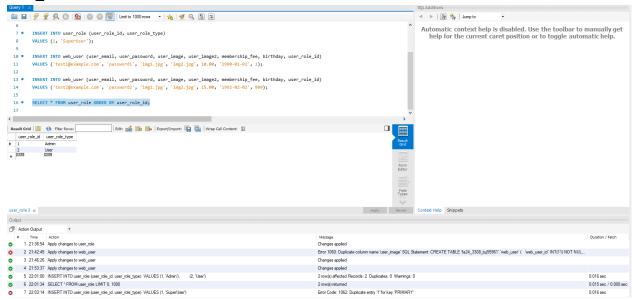
Add foreign key from web user to user role



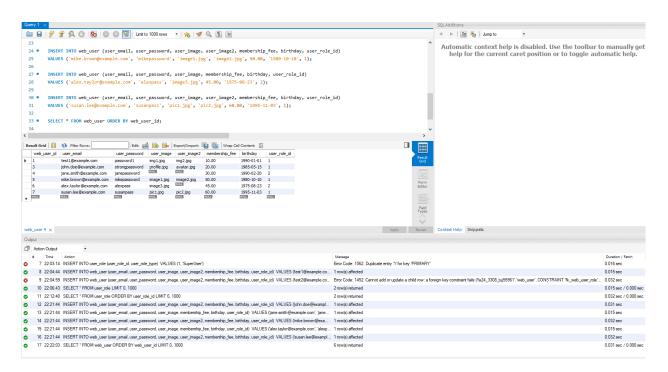
Duplicate primary key error



User role data



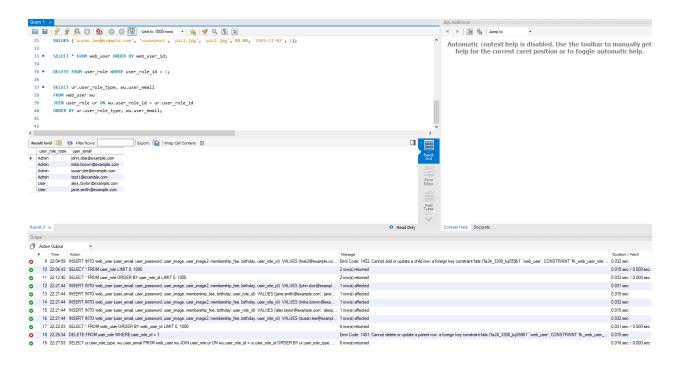
Web_user table data



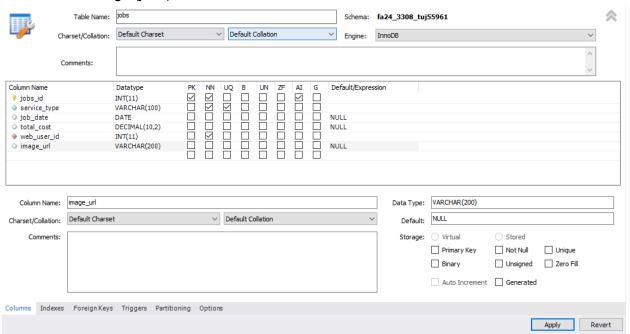
Deleting a referenced user role record error

	•	-		
0	8 22:04:44 INSERT INTO web_us	er (user_email, user_password, user_image, user_image2, membership_fee, birthday, user_role_id) VALUES (test1@example.co	1 row(s) affected	0.015 sec
8	9 22:04:59 INSERT INTO web_us	er (user_email, user_password, user_image, user_image2, membership_fee, birthday, user_role_id) VALUES (test2@example.co	Error Code: 1452. Cannot add or update a child row: a foreign key constraint fails (Ya24_3308_tuj55961'.'web_user', CONSTRAINT Yk_web_user_role'	0.032 sec
0	10 22:06:43 SELECT * FROM user_	role LIMIT 0, 1000	2 row(s) returned	0.015 sec / 0.000
0		* FROM user_role_id_LIMIT 0, 1000	2 row(s) returned	0.032 sec / 0.000
•	12 22:21:44 INSERT INT	1000password, user_image, user_image2, membership_fee, birthday, user_role_id) VALUES (john.doe@exampl.	. 1 row(s) affected	0.031 sec
0	13 22:21:44 INSERT INTO web_us	er (user_email, user_password, user_image, membership_fee, birthday, user_role_id) VALUES (Jane.smith@example.com', Jane	. 1 row(s) affected	0.015 sec
•	14 22:21:44 INSERT INTO web_us	er (user_email, user_password, user_image, user_image2, membership_fee, birthday, user_role_id) VALUES (mike brown@exa	1 row(s) affected	0.032 sec
•	15 22:21:44 INSERT INTO web_us	er (user_email, user_password, user_image, membership_fee, birthday, user_role_id) VALUES (alex.taylor@example.com', 'alexp	1 row(s) affected	0.015 sec
0	16 22:21:44 INSERT INTO web_us	er (user_email, user_password, user_image, user_image2, membership_fee, birthday, user_role_id) VALUES ('susan lee@exampl	1 row(s) affected	0.032 sec
•	17 22:22:03 SELECT * FROM web_	user ORDER BY web_user_id LIMIT 0, 1000	6 row(s) returned	0.031 sec / 0.000
3	18 22:25:34 DELETE FROM user_n	ole WHERE user_role_id = 1	Error Code: 1451. Cannot delete or update a parent row: a foreign key constraint falls (fa24_3308_tu)55961'. web_user', CONSTRAINT 'fk_web_user	0.015 sec

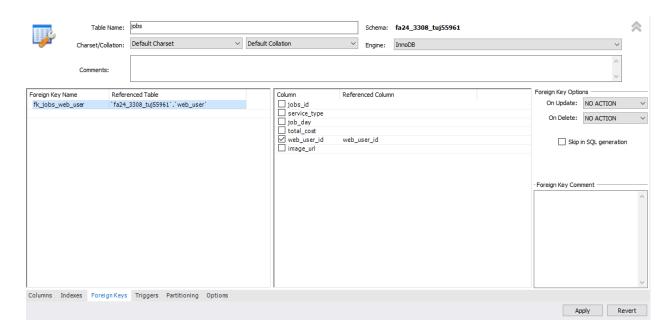
Select statement of web_user joined with user_role



"other " table design (jobs)



Foreign key tab of "other" table design (jobs)



Invalid foreign key error (web_user_id)



Trying to delete a referenced web_user record



Running SQL statements

