## Kian Azadi

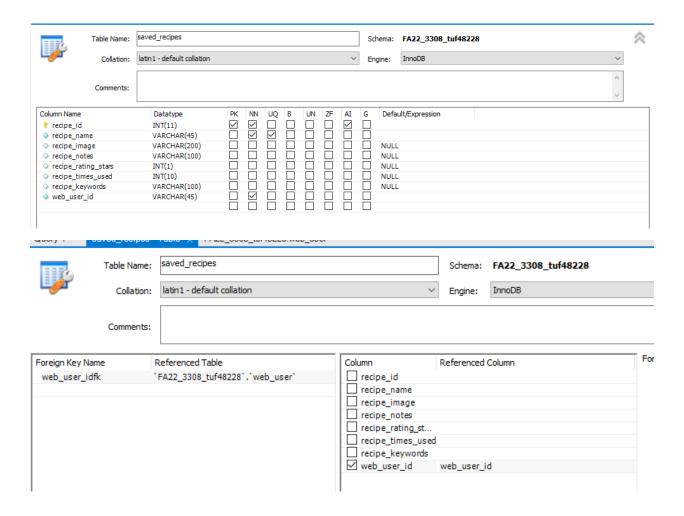
- 2. http://cis-linux2.temple.edu:8080/FA22\_3308\_tuf48228/#/home
- 3. user\_role TABLE DESIGN

Table Name:	user_role							Schema: <b>FA22_3308_tuf48228</b>		
Column Name	Datatype	PK	NN	UQ	В	UN	ZF	ΑI	G	Default/Expression
<pre>vser_role_id</pre>	INT(11)	~	<b>~</b>	~						
user_role_type	VARCHAR(10)		$\checkmark$	~						
		Ш	Ш	Ш	Ш	Ш	Ш	Ш	Ш	

4. web\_user TABLE DESIGN and FOREIGN KEY

Table Name:	web_user						Schema:	FA22_3308_	tuf48228			
Column Name	Datatype	PK NN	UQ	B UN	ZF	ΑI	G Defau	lt/Expression				
<pre>web_user_id</pre>	INT(11)	$\checkmark$				~						
user_email	VARCHAR(45)		~									
user_password	VARCHAR(45)											
image	VARCHAR(300)											
membership_fee	DECIMAL(8,2)		Щ	_	Ц	Ц	Ц					
	DATE		$\sqcup$	_	닏	$\sqcup$	Ц					
user_role_id	INT(11)		$\sqcup$	_	닏	$\vdash$	Ц					
		⊔ Ц			Ш	Ш	Ш					
Foreign Key Name	Referenced Table		Co	olumn		ŀ	Referenced Co	lumn				
web_user_ibfk_1	`FA22_3308_tuf48228`.`user_	`FA22_3308_tuf48228`.`user_role`					web_user_id					
				user_en								
				user_pa	assword	d						
				image	1							
			H는	member		ee						
				birthday user_ro			user role id					
			<u> </u>	_ user_ro	ie_ia		iser_role_ld					

5. "OTHER" TABLE DESIGN and FOREIGN KEY



## 6. DATA ENTRY ERRORS

a) Error: Duplicate user\_role PK

```
Executing:

UPDATE `FA22_3308_tuf48228`.`user_role` SET `user_role_id` ='2' WHERE `user_role_id` ='3';

Operation failed: There was an error while applying the SQL script to the database.

ERROR 1062: 1062: Duplicate entry '2' for key 'PRIMARY'

SQL Statement:

UPDATE `FA22_3308_tuf48228`.`user_role` SET `user_role_id` ='2' WHERE `user_role_id` ='3'
```

b) Error: Invalid user role FK in web user record

Error: There was an error while applying the SQL script to the database.

```
Executing:

INSERT INTO `FA22_3308_tuf48228`.`web_user` (`web_user_id`, `user_email`, `user_password`, `user_role_id`) VALUES ('3', ';!;askjd@kdj.net', 'peaches', '3');

INSERT INTO `FA22_3308_tuf48228`.`web_user` (`web_user_id`, `user_email`, `user_password`, `user_role_id`) VALUES ('4', '123@45.6', 'apples', '2');

INSERT INTO `FA22_3308_tuf48228`.`web_user` (`web_user_id`, `user_email`, `user_password`, `user_role_id`) VALUES ('5', 'IAmA@donut.com', 'pears', '5');

Operation failed: There was an error while applying the SQL script to the database.

ERROR 1452: 1452: Cannot add or update a child row: a foreign key constraint fails (`FA22_3308_tuf48228`.`web_user`, CONSTRAINT` web_user_ibfk_3` FOREIGN KEY (`user_role_id`))

REFERENCES `user_role` (`user_role_id`))

SQL Statement:

INSERT INTO `FA22_3308_tuf48228`.`web_user` (`web_user_id`, `user_email`, `user_password`, `user_role_id`) VALUES ('5', 'IAmA@donut.com', 'pears', '5')
```

c) Error: Cannot delete a user\_role record that's referenced by a web \_user record

```
Executing:

DELETE FROM `FA22_3308_tuf48228`.`user_role` WHERE `user_role_id`='1';

ERROR 1451: 1451: Cannot delete or update a parent row: a foreign key constraint fails
(`FA22_3308_tuf48228`.`web_user`, CONSTRAINT `web_user_ibfk_3` FOREIGN KEY (`user_role_id`)
REFERENCES `user_role` (`user_role_id`))
SQL Statement:
DELETE FROM `FA22_3308_tuf48228`.`user_role` WHERE `user_role_id`='1'

Operation failed: There was an error while applying the SQL script to the database.
```

d) Invalid web\_user FK in "other" record

## Applying SQL script to the database

The following tasks will now be executed. Please monitor the execution. Press Show Logs to see the execution logs.

★ Execute SQL Statements

Error: There was an error while applying the SQL script to the database.

```
Operation failed: There was an error while applying the SQL script to the database.

Executing:

UPDATE `FA22_3308_tuf48228`.`saved_recipes` SET `web_user_id`='30' WHERE `recipe_id`='7';

ERROR 1452: 1452: Cannot add or update a child row: a foreign key constraint fails

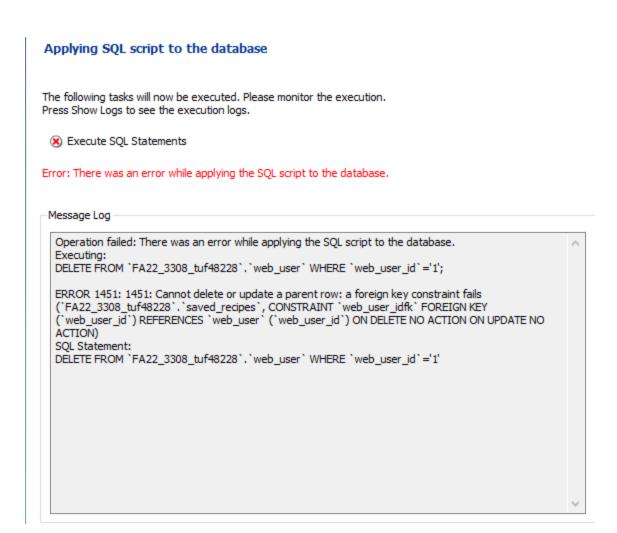
(`FA22_3308_tuf48228`.`saved_recipes`, CONSTRAINT `web_user_idfk` FOREIGN KEY

(`web_user_id') REFERENCES `web_user' (`web_user_id') ON DELETE NO ACTION ON UPDATE NO ACTION)

SQL Statement:

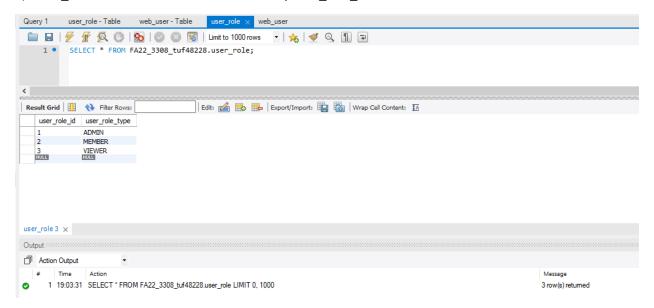
UPDATE `FA22_3308_tuf48228`.`saved_recipes` SET `web_user_id`='30' WHERE `recipe_id`='7'
```

e) Error trying to delete a web\_user record that's referenced by an "other" record

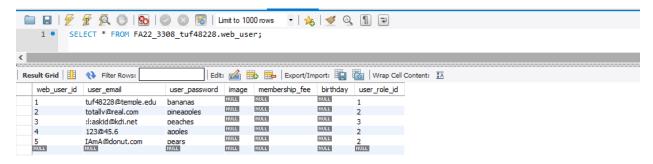


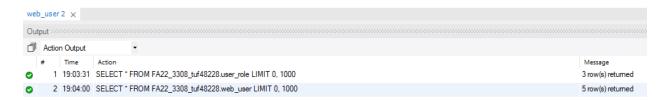
## 7. SELECT STATEMENTS

a) USER\_ROLE: all rows, all columns, sorted by user\_role\_id.

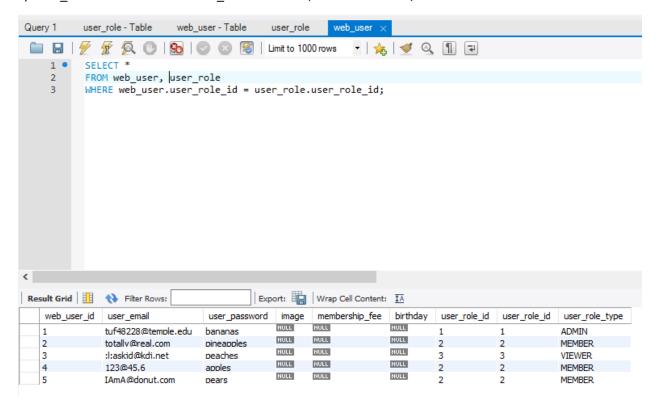


b) WEB\_USER: all rows, all columns, sorted by web\_user\_id.

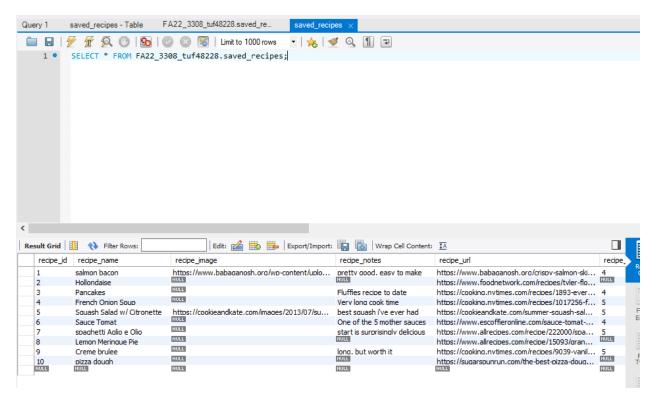




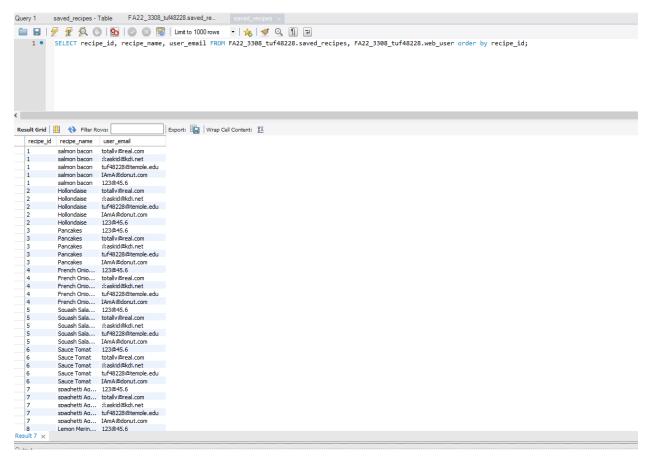
c) WEB\_USER JOINED WITH USER\_ROLE: all rows, certain columns, sorted.



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.

