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2. URL to STUDENT WEB SITE

https://cis-linux2.temple.edu/tomcat10/fa24_3308_tuo65794/index.html

3. user_role TABLE DESIGN

[illegible]

4. web_user TABLE DESIGN and FOREIGN KEY

[illegible]

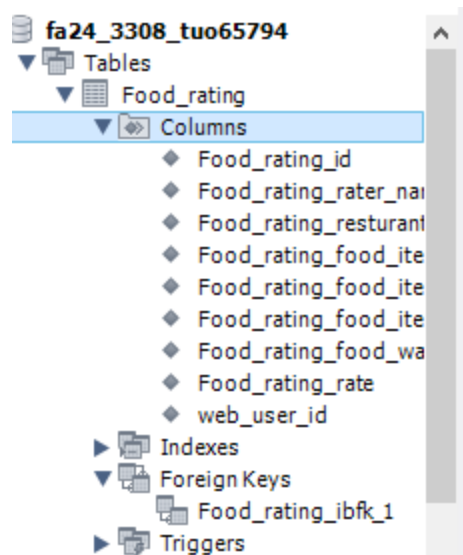


Table Name: Schema: **fa24_3308_tuo65794**

Charset/Collation: Engine:

Comments:


Foreign Key Name	Referenced Table	Column	Referenced Column
Food_rating_ibfk_1	'fa24_3308_tuo65794'. 'web_user'		
<input type="text"/>			

6. DATA ENTRY ERRORS

a) Error: Duplicate user_role PK

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.


Message Log

```
Operation failed: There was an error while applying the SQL script to the database.  
Executing:  
INSERT INTO `fa24_3308_tuo65794`.`user_role` (`user_role_id`, `user_role_type`) VALUES (3,  
'Boss');  
  
ERROR 1062: 1062: Duplicate entry '3' for key 'PRIMARY'  
SQL Statement:  
INSERT INTO `fa24_3308_tuo65794`.`user_role` (`user_role_id`, `user_role_type`) VALUES (3,  
'Boss')
```

b) Error: Invalid user_role FK in web_user 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.

Message Log

```
Executing:
UPDATE `fa24_3308_tuo65794`.`web_user` SET `user_role_id` = '99' WHERE (`web_user_id` = '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
(`fa24_3308_tuo65794`.`web_user`, CONSTRAINT `web_user_ibfk_1` FOREIGN KEY (`user_role_id`)
REFERENCES `user_role` (`user_role_id`))
SQL Statement:
UPDATE `fa24_3308_tuo65794`.`web_user` SET `user_role_id` = '99' WHERE (`web_user_id` = '5')
```

c) Error: Cannot delete a user_role record that's referenced by a web_user 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.


Message Log

```
Operation failed: There was an error while applying the SQL script to the database.  
Executing:  
DELETE FROM `fa24_3308_tuo65794`.`user_role` WHERE (`user_role_id` = '1');  
  
ERROR 1451: 1451: Cannot delete or update a parent row: a foreign key constraint fails  
(`fa24_3308_tuo65794`.`web_user`, CONSTRAINT `web_user_ibfk_1` FOREIGN KEY (`user_role_id`)  
REFERENCES `user_role` (`user_role_id`))  
SQL Statement:  
DELETE FROM `fa24_3308_tuo65794`.`user_role` WHERE (`user_role_id` = '1')
```

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.


Message Log

Executing:
UPDATE `fa24_3308_tuo65794`.`Food_rating` SET `Food_rating_rater_name_and_fooditem` = 'Sally Chicken Sandwich' WHERE (`Food_rating_id` = '1');
UPDATE `fa24_3308_tuo65794`.`Food_rating` SET `web_user_id` = '10' WHERE (`Food_rating_id` = '6');

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
(`fa24_3308_tuo65794`.`Food_rating`, CONSTRAINT `Food_rating_ibfk_1` FOREIGN KEY
(`web_user_id`) REFERENCES `web_user` (`web_user_id`))
SQL Statement:
UPDATE `fa24_3308_tuo65794`.`Food_rating` SET `web_user_id` = '10' WHERE (`Food_rating_id` = '6')

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

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.

Message Log

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

Executing:

```
DELETE FROM `fa24_3308_tuo65794`.`web_user` WHERE (`web_user_id` = '1');
```

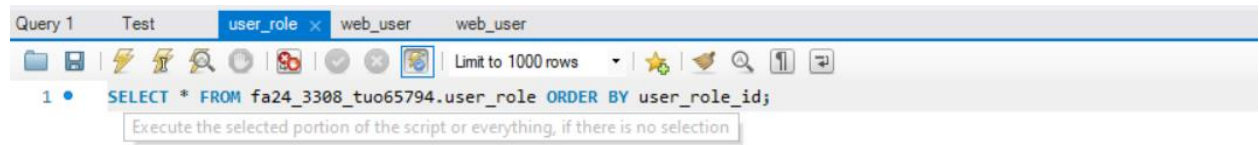
ERROR 1451: 1451: Cannot delete or update a parent row: a foreign key constraint fails
(`fa24_3308_tuo65794`.`Food_rating`, CONSTRAINT `Food_rating_ibfk_1` FOREIGN KEY
(`web_user_id`) REFERENCES `web_user` (`web_user_id`))

SQL Statement:

```
DELETE FROM `fa24_3308_tuo65794`.`web_user` WHERE (`web_user_id` = '1')
```


7. SELECT STATEMENTS

a) USER_ROLE: all rows, all columns, sorted by user_role_id.



The screenshot shows a SQL result grid with the following data:

user_role_id	user_role_type
1	ADMIN
2	MEMBER
3	VIEW
NULL	NULL

The screenshot shows a SQL action output log with the following data:

#	Time	Action	Message
1	14:05:36	SELECT * FROM fa24_3308_tuo65794.user_role ORDER BY user_role_id LIMIT 0, 1000	3 row(s) returned

b) WEB_USER: all rows, all columns, sorted by web_user_id.

```
Query 1  Test  user_role  web_user  web_user x
Limit to 1000 rows
1 • SELECT * FROM fa24_3308_tuo65794.web_user ORDER BY web_user_id;
```

	web_user_id	user_email	user_password	user_image	user_imagne	membership_fee	birthday	user_role_id
▶	1	sallt@temple.edu	dw	cat1	cat2	1234.60	2017-01-01	1
	2	batman@temple.edu	bm	NULL	NULL	1234.60	NULL	2
	3	idk@gmail.com	sm	NULL	NULL	NULL	NULL	3
	4	hello@lemon.com	we	NULL	NULL	NULL	NULL	1
	5	ByeBye@deadpool.com	NULL	NULL	NULL	NULL	NULL	2
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

web_user 4 x				Apply
Output				
Action Output				
#	Time	Action	Message	
✓ 1	14:02:44	SELECT user_role.user_role_type, web_user.user_email FROM web_user INNER JOIN user_role ON web_user....	5 row(s) returned	

c) WEB_USER JOINED WITH USER_ROLE: all rows, certain columns, sorted

Query 1 Test user_role web_user web_user

Limit to 1000 rows

```
1 • SELECT user_role.user_role_type, web_user.user_email
2 FROM web_user INNER JOIN user_role
3 ON web_user.user_role_id = user_role.user_role_id
4 ORDER BY user_role.user_role_type, web_user.user_email;
5
6
```

Result Grid

	user_role_type	user_email
▶	ADMIN	hello@lemon.com
	ADMIN	salit@temple.edu
	MEMBER	batman@temple.edu
	MEMBER	ByeBye@deadpool.com
	VIEW	idk@gmail.com

Result Grid
Form Editor
Field Types

Result 9 x Read Only

Output

Action Output

#	Time	Action	Message
✓ 1	14:02:44	SELECT user_role.user_role_type, web_user.user_email FROM web_user INNER JOIN user_role ON web_user....	5 row(s) returned

f) “OTHER”: all rows, all columns, sorted by the id of your “other” table.

Query 1 Food_rating - Table Food_rating

Limit to 1000 rows

1 • SELECT * FROM fa24_3308_tuo65794.Food_rating order by Food_rating_id

Result Grid

Food_rating_id	Food_rating_description	Food_rating_restaurant_name	Food_rating_name	Food_rating_image	Food_rating_price	Food_rating_wait_time_minute	Food_rating_rate	web_user_id
1	Juicy Chicken Sandwich Chick Fil a	Chick Fil a	Chicken Sandwich	https://cf-images.us-east-1.prod.boltdns.net/v...	6.99	10	8.50	1
2	Lemon Pepper Wings salty and goodWingstop	Wingstop	Lemon Pepper Wings	https://encrypted-tbn0.gstatic.com/images?q=...	8.00	15	9.00	1
3	Yummy and spicy chicken over rice	Halal Truck	Chicken Over rice	https://encrypted-tbn0.gstatic.com/images?q=...	10.00	5	9.00	1
4	Crispy nice taco	Wingstop	Taco	https://encrypted-tbn0.gstatic.com/images?q=...	12.00	10	7.00	2
5	Crispy and soft french fries	Zen	French Fries	https://encrypted-tbn0.gstatic.com/images?q=...	5.00	10	8.00	2
6	Saucing Buffalo wing	Wingstop	Buffalo Wing	https://encrypted-tbn0.gstatic.com/images?q=...	10.00	7	9.00	2
7	Healthy Salad	Wingstop	Salad	https://encrypted-tbn0.gstatic.com/images?q=...	7.00	10	5.00	3
8	Fresh and Bright Burrito Bowl chipotle	Chipotle	Burrito Bowl	https://encrypted-tbn0.gstatic.com/images?q=...	10.00	4	8.25	3
9	Juicy and Crispy Chicken Tenders Raising cane	Raising Cane	Raising Cane	https://encrypted-tbn0.gstatic.com/images?q=...	12.00	9	7.00	4
10	Medium rare Single Burger BurgerFi	BurgerFi	BurgerFi	https://encrypted-tbn0.gstatic.com/images?q=...	8.00	10	7.00	5

Food_rating2 x

Output

Action Output

1 16:46:48 SELECT * FROM fa24_3308_tuo65794.Food_rating order by Food_rating_id LIMIT 0, 1000

Message

10 row(s) returned

Duration / Fetch

0.016 sec / 0.000 sec

g) “OTHER” JOINED WITH WEB_USER all rows, certain columns, sorted.

Query 1 Food_rating - Table Food_rating web_user

Limit to 1000 rows

1 • SELECT Food_rating_description, web_user.user_email
2 FROM Food_rating JOIN web_user ON Food_rating.web_user_id = web_user.web_user_id
3 ORDER by Food_rating_description, web_user.web_user_id

Result Grid

Food_rating_description	user_email
Crispy and soft french fries	batman@temple.edu
Crispy nice taco	batman@temple.edu
Fresh and Bright Burrito Bowl chipotle	idk@gmail.com
Healthy Salad	idk@gmail.com
Juicy and Crispy Chicken Tenders Raising cane	hebo@lemon.com
Juicy Chicken Sandwich Chick Fil a	sallt@temple.edu
Lemon Pepper Wings salty and goodWingstop	sallt@temple.edu
Medium rare Single Burger BurgerFi	Byebye@deadpool.com
Saucing Buffalo wing	batman@temple.edu
Yummy and spicy chicken over rice	sallt@temple.edu

Result 5 x

Output

Action Output

1 16:56:27 SELECT Food_rating_description, web_user.user_email FROM Food_rating JOIN web_user ON Food_rating.web_user_id = web_user.web_user_id ...

Message

10 row(s) returned

Duration / Fetch

0.016 sec / 0.000 sec

h) “OTHER” JOINED WITH WEB_USER some rows, certain columns, sorted.

The screenshot displays a database query tool interface. At the top, a SQL query is entered in a text area:

```
1 • SELECT Food_rating_description, web_user.user_email
2 FROM Food_rating JOIN web_user ON Food_rating.web_user_id = web_user.web_user_id
3 WHERE Food_rating_rate > 7
4 ORDER BY Food_rating_description, web_user.web_user_id
```

Below the query editor, the 'Result Grid' is visible, showing a table with two columns: 'Food_rating_description' and 'user_email'. The table contains six rows of data:

Food_rating_description	user_email
Crispy and soft french fries	batman@temple.edu
Fresh and Bright Burrito Bowl chipotle	sdk@gmail.com
Juicy Chicken Sandwich Chick Fil a	salt@temple.edu
Lenon Pepper Wings salty and goodWingstop	salt@temple.edu
Saucing Buffalo wing	batman@temple.edu
Yummy and spicy chicken over rice	salt@temple.edu

At the bottom, the 'Output' pane shows the execution details of the query:

#	Time	Action	Message	Duration / Fetch
1	19:58:32	SELECT Food_rating_description, web_user.user_email FROM Food_rating JOIN web_user ON Food_rating.web_user_id = web_user.web_user_id ...	6 row(s) returned	0.016 sec / 0.000 sec