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## **Justin Ardamoy**

2. URL to STUDENT WEB SITE

http://cis-linux2.temple.edu:8080/fa21 3308 tuo59359/index.html

3. user\_role TABLE DESIGN

	Table Name:	user_role					Schema: fa21_			
Column Name		Datatype	PK	NN	UQ	В	UN	ZF	AI	
vser_role_id		INT(11)	~	<b>~</b>	<b>~</b>					
user_role_type		VARCHAR(10)		~	~					
4. web_us	er TABLE DESIGN	web_user						Sch	ema:	
Column Name		Datatype	PK	NN	UQ	В	UN	ZF	AI	
Column Name web_user	_id	Datatype INT(11)	PK	NN ✓	UQ	В	UN	ZF		
					UQ 	В	UN	ZF	AI	
<pre>web_user</pre>	il	INT(11)		$\checkmark$		B	UN	ZF	AI	

DECIMAL(8,2)

DATE

INT(11)

Foreign Key Name	Referenced Table
web_user_ibfk_1	`fa21_3308_tuo59359`.`user
	-

5. "OTHER" TABLE DESIGN and FOREIGN KEY

user\_role\_id

	Table Name:	swim_meets						Sch	ema:
Column Name		Datatype	PK	NN	UQ	В	UN	ZF	ΑI
🕴 swim_mee	ts_id	INT(8)	~	~					~
swim_mee	ts_name	VARCHAR(45)		~	~				
swim_mee	ts_date	DATE		~					
swim_mee	ts_place	VARCHAR(45)		~					
swim_mee	ts_img	VARCHAR(200)		~					
swim_mee	ts_qualification	VARCHAR(45)		~					
swim_mee	ts_committed	VARCHAR(10)							
swim_mee	ts_fee	DECIMAL(8,2)							
web_user_	id	INT(11)		<b>~</b>					
Foreign Key I	Name	Referenced Tab	ole						
swim_meets_ibfk_1		`fa21_3308_tuo	`fa21_3308_tuo59359`.`web_user`						

### 6. DATA ENTRY ERRORS

- a) Error: Duplicate user\_role PK
- Execute SQL Statements

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

```
Executing:
INSERT INTO `fa21_3308_tuo59359`.`user_role` (`user_role_id`, `user_role_type`) VALUES ('1', 'Manager');
INSERT INTO `fa21_3308_tuo59359`.`user_role` (`user_role_id`, `user_role_type`) VALUES ('2', 'Worker');
INSERT INTO `fa21_3308_tuo59359`.`user_role` (`user_role_id`, `user_role_type`) VALUES ('2', 'Server');

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:
INSERT INTO `fa21_3308_tuo59359`.`user_role` (`user_role_id`, `user_role_type`) VALUES ('2', 'Server')
```

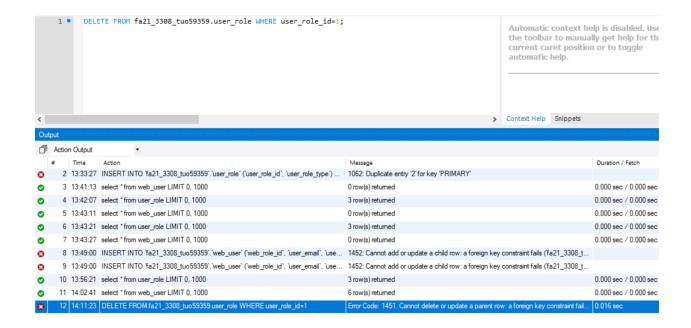
b) Error: Invalid user\_role FK in web\_user record

# ■ Execute SQL Statements

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

```
Message Log
 Executing:
 INSERT INTO 'fa21_3308_tuo59359'.'web_user' ('web_role_id', 'user_email', 'user_password'
 'membership_fee', 'birthday', 'user_role_id') VALUES (1', 'good@yahoo.com', '123', '90', '3/14', '1');
 INSERT INTO `fa21_3308_tuo59359`.`web_user` (`web_role_id`, `user_email`, `user_password`
 'membership_fee', 'birthday', 'user_role_id') VALUES ('2', 'good1@yahoo.com', '123', '90', '4/26', '2');
 INSERT INTO `fa21_3308_tuo59359`.`web_user` (`web_role_id`, `user_email`, `user_password`,
 'membership_fee', 'birthday', 'user_role_id') VALUES ('3', 'good2@yahoo.com', '123', '91', '1/1', '3');
 INSERT INTO `fa21_3308_tuo59359`.`web_user` (`web_role_id`, `user_email`, `user_password`,
 `membership_fee`, `birthday`, `user_role_id`) VALUES ('4', 'good3@gmail.com', '123', '92', '2/14', '4');
 INSERT INTO 'fa21 3308 tuo59359', 'web_user' ('web_role_id', 'user_email', 'user_password',
 'membership_fee', 'birthday', 'user_role_id') VALUES ('5', 'good4@gmail.com', '123', '50', '9/5', '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
 (`fa21_3308_tuo59359`.`web_user`, CONSTRAINT `web_user_ibfk_1` FOREIGN KEY (`user_role_id`)
 REFERENCES 'user_role' ('user_role_id'))
 SQL Statement:
 INSERT INTO `fa21_3308_tuo59359`.`web_user` (`web_role_id`, `user_email`, `user_password`
 'membership_fee', 'birthday', 'user_role_id') VALUES ('4', 'good3@gmail.com', '123', '92', '2/14', '4')
 ERROR 1452: 1452: Cannot add or update a child row: a foreign key constraint fails
```

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



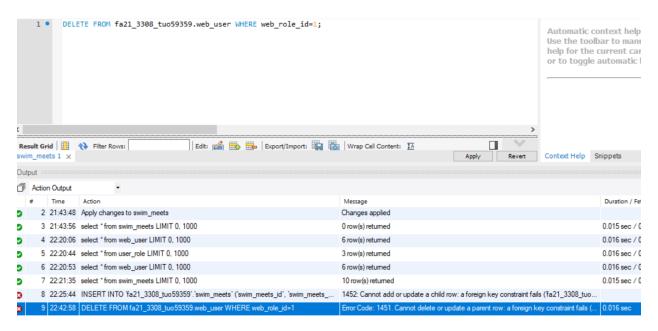
Error Code: 1451. Cannot delete or update a parent row: a foreign key constraint fails ('fa21\_3308\_tuo59359'.'web\_user', CONSTRAINT 'web\_user\_ibfk\_1' FOREIGN KEY ('user\_role\_id') REFERENCES 'user\_role' ('user\_role\_id'))

- d) Invalid web\_user FK in "other" record
  - ★ Execute SQL Statements

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

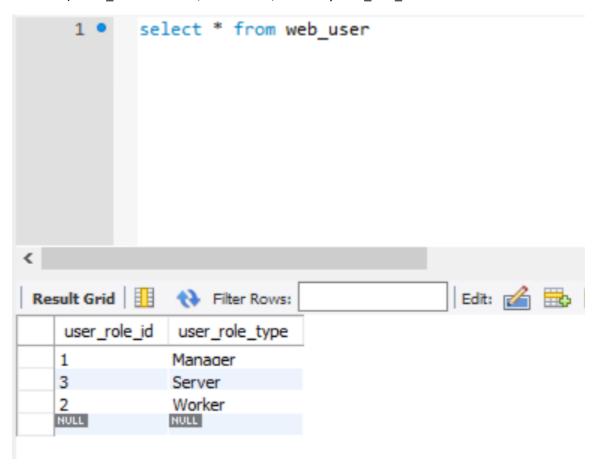
```
Message Log
 Executing:
 INSERT INTO `fa21_3308_tuo59359`.`swim_meets` (`swim_meets_id`, `swim_meets_name`,
 `swim_meets_date`, `swim_meets_place`, `swim_meets_img`, `swim_meets_qualification`,
 'swim_meets_committed', 'swim_meets_fee', 'web_role_id') VALUES ('11', 'Paraolympics', '2021-08-
 24', 'Tokyo', 'swim.jpg', 'not qualified', 'yes', '10000', '7');
 UPDATE `fa21 3308 tuo59359`.`swim_meets` SET `swim_meets_date` ='2021-07-29' WHERE
 `swim_meets_id`='10';
 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
 (`fa21_3308_tuo59359`.`swim_meets`, CONSTRAINT `swim_meets_ibfk_1` FOREIGN KEY
 (`web_role_id`) REFERENCES `web_user` (`web_role_id`))
 SQL Statement:
 INSERT INTO 'fa21 3308 tuo59359'.'swim_meets '('swim_meets id', 'swim_meets name',
 `swim_meets_date`, `swim_meets_place`, `swim_meets_img`, `swim_meets_qualification`,
 `swim_meets_committed`, `swim_meets_fee`, `web_role_id`) VALUES ('11', 'Paraolympics', '2021-08-
 24', 'Tokyo', 'swim.jpg', 'not qualified', 'yes', '10000', '7')
```

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

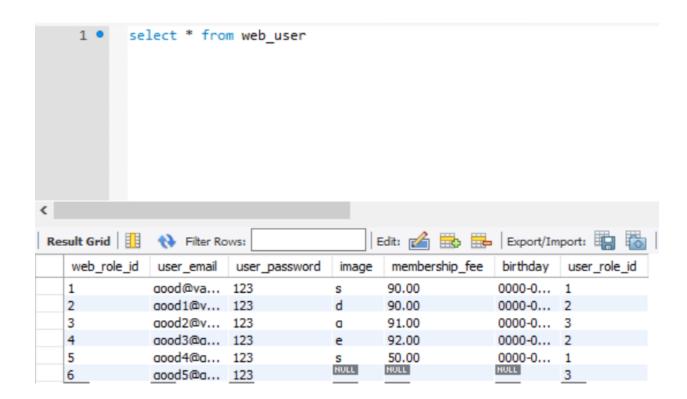


### 7. SELECT STATEMENTS

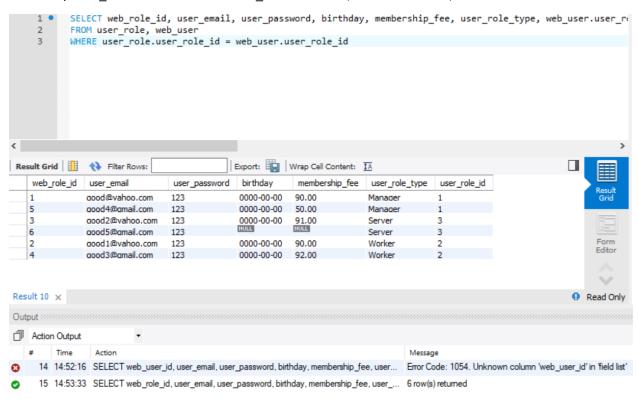
a) USER\_ROLE: all rows, all columns, sorted by user\_role\_id.



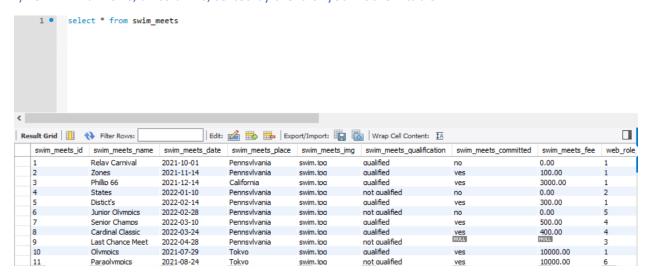
b) WEB\_USER: all rows, all columns, sorted by web\_user\_id.



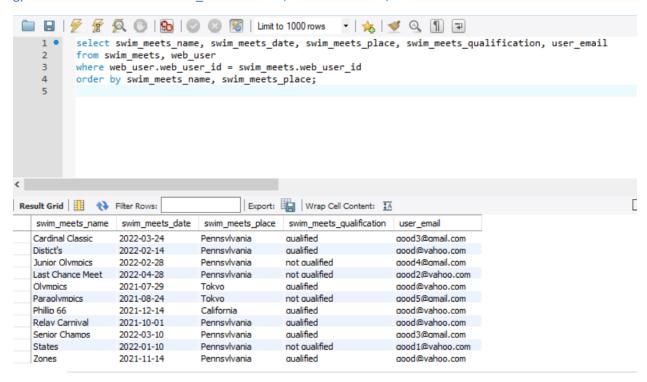
### c) WEB USER JOINED WITH USER ROLE: all rows, certain columns, sorted



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



g) "OTHER" JOINED WITH WEB USER all rows, certain columns, sorted.



h) "OTHER" JOINED WITH WEB\_USER some rows, certain columns, sorted.

