- 1. STUDENT NAME
 - a. MICHAEL EWING
- 2. URL to STUDENT WEB SITE
 - a. http://cis-linux2.temple.edu:8080/FA22_3308_tuj25271/index.html#/home
- 3. User_role TABLE DESIGN

Table Name:	user_role									
Column Name vuser_role_id	Datatype INT(11)	PK	NN ✓	UQ ✓	В	UN	ZF	AI	G	Default/Expression
user_role_type	VARCHAR(10)		<u>~</u>	✓						

4. Web_user TABLE DESIGN and FOREIGN KEY

Table Name:	web_user									
Column Name	Datatype	PK	NN	UQ	В	UN	ZF	ΑI	G	Default/Expression
<pre>web_user_id</pre>	INT(11)	\checkmark	~					~		
user_email	VARCHAR(45)		~	~						
user_password	VARCHAR(45)		~							
image	VARCHAR(300)									NULL
membership_fee	DECIMAL(8,2)									NULL
 birthday 	DATE									NULL
user_role_id	INT(11)		~							

Query 1 ×	
iii iii iii iii iii ii iii ii ii ii ii	rs 🔻 🚖 🥩 🔍 👖 🖫
1 • alter table web_user add foreign key (user_r	role_id) references user_role (user_role_id);

5. "OTHER" TABLE DESIGN AND FOREIGN KEY

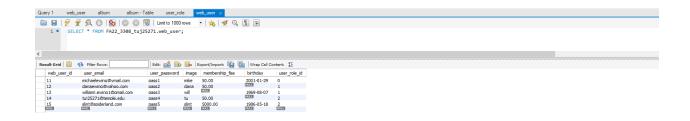
Query 1	web_user	album	album - Table	×								
37	Table Name:	album										
	Collation:	latin1 - de	fault collation									
	Comments:											
Column Nam	e	Data	type	PK	NN	UQ	В	UN	ZF	ΑI	G	Default/Expression
🕴 album_i	d	INT(1	1)	~	~					✓		
album_r			HAR(45)		\ \ \	\checkmark						
album_c			HAR(200)	Н	\leq	Н	Н	닏	Н	H	님	
album_r			MAL(5,2)	H	\mathbb{H}	Н	H	\mathbb{H}	Н	H	H	NULL
_	release_date	DATE		H	H	Н	H	H	Н	H	H	NULL
album_q album_a			HAR(45)	H	H	H	H	H	H	H	H	NULL NULL
◇ album_r			HAR(45) HAR(45)	H	H	H	H	H	H	H	H	NULL
web_us		INT(1		H	$\overline{\mathbf{Z}}$	H	Ħ	Ħ	H	Ħ	H	NOLL
		(-	-,									
Query 1	web_user	album	album	- Tab	le ×							
	Table Na	me: albur	n									
	Collat	ion: latin	1 - default colla	ion								
	Comme	nts:										
Foreign Key	/ Name	Refere	nced Table									
album_ib			3308_tuj25271	`.`w	eh us	er'						
GIDGIII_ID	*	1055	_0000_taj202/1		55_ds							
<u> </u>												

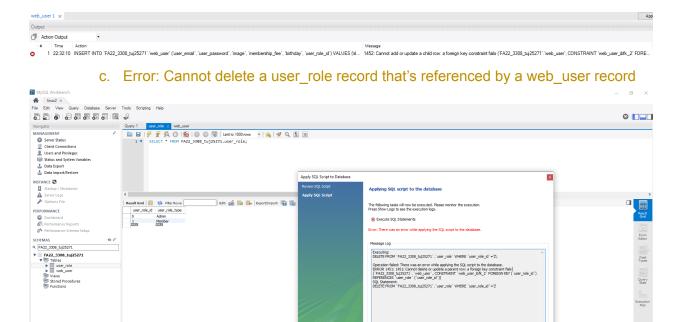
6. DATA ENTRY ERRORS

a. Error: Duplicate user_role PK

Re	sult Grid	1 69	Filter Rows:				Edit:	4	ф	<u>-</u>	Export/1	Import:	- 13	(o	Wrap	Cell Cont	ent:	‡A									
	user_ro	le_id us	er_role_type																								
	0	Adr																									
_	2		mber																								
_	NULL NULL	Vie	wer																								
	110000	N.O.																									
use	r_role 1	×																									
Out	mot sesses																										
	Action C	Output	-																								
	# Ti	īme A	ction																		Message						
0	1 22	2:17:34 S	ELECT * FROM	FA22_	3308_tuj	25271	1.user	role L	O TIMI.	, 1000)										3 row(s) re	tumed					
0	2 22	2:17:53 S	ELECT * FROM	FA22_	3308_tuj	25271	1.user	role L	O TIMI.	. 1000)										3 row(s) re	tumed					
0	3 22	2:20:09 al	tertable web_us	ser add	foreign l	cey (us	ser_ro	le_id)	referen	ces us	ser_role	e (user_	role_id	d)) row(s) a	ffected F	Record	s: 0 Du	uplicates	: 0 Wan	nings: 0
0	4 22	2:21:19 S	ELECT * FROM	FA22_	3308_tuj	25271	1.user	role L	O TIMI.	, 1000)										3 row(s) re	tumed					
8	5 22	2:22:02 U	PDATE 'FA22_	3308_tı	ij25271°	`user_	role`	SET 'u	iser_rol	e_id`=	='2' WH	IERE 'u	ser_ro	le_id`:	='1'						1062: Du	olicate er	ntry '2'	for key	'PRIMA	RY'	

b. Error: Invalid user_role FK in web_user record





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Message 1451: Cannot delete or update a parent row: a foreign key constraint falls ("FA22-3308-tui25271", 'web-user', CONSTRAINT 'web-user ibfk-2.

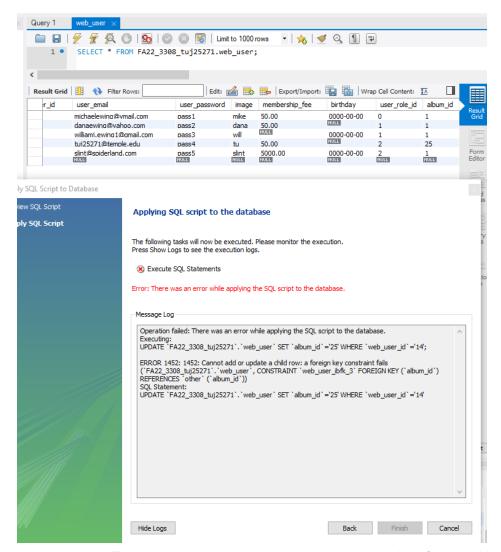
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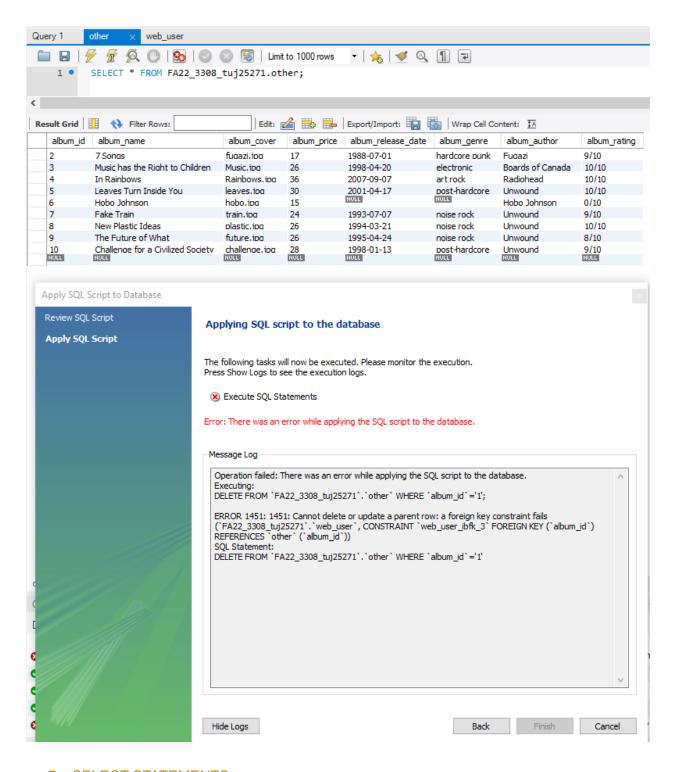
→ 69°F Mostly clear へ 場 智 如 10:00 PM

d. Invalid web_user FK in "other" record

olumns: user_role_id int(11) PK user_role_type varchar(10)

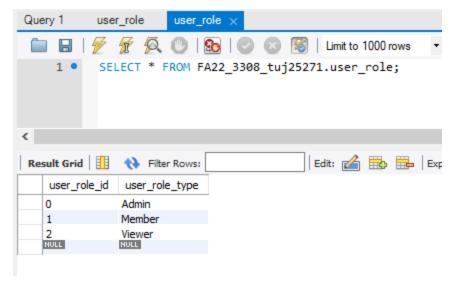


e. Error trying to delete a web_user record that's referenced by an "other" record

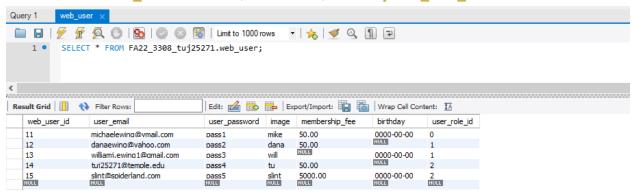


7. SELECT STATEMENTS

a. USER ROLE: all rows, all columns, sorted by user role id

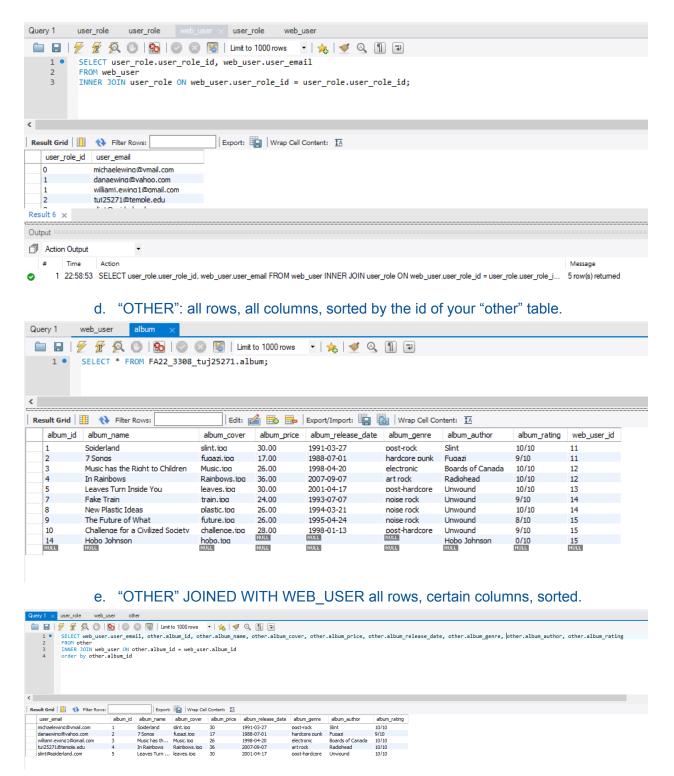


b. WEB_USER: all rows, all columns, sorted by web_user_id





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



f. "OTHER" JOINED WITH WEB USER some rows, certain columns, sorted.

