

1. STUDENT NAME

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:

Schema: **fa21_**

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI
 user_role_id	INT(11)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 user_role_type	VARCHAR(10)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

4. web_user TABLE DESIGN and FOREIGN KEY











Table Name:

web_user

Schema:

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI
 web_user_id	INT(11)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
 user_email	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 user_password	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 image	VARCHAR(300)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 membership_fee	DECIMAL(8,2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 birthday	DATE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 user_role_id	INT(11)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Foreign Key Name	Referenced Table
web_user_ibfk_1	'fa21_3308_tuo59359`.`user
<input type="text"/>	

5. "OTHER" TABLE DESIGN and FOREIGN KEY














Table Name:
Schema:

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI
 swim_meets_id	INT(8)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
 swim_meets_name	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 swim_meets_date	DATE	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 swim_meets_place	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 swim_meets_img	VARCHAR(200)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 swim_meets_qualification	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 swim_meets_committed	VARCHAR(10)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 swim_meets_fee	DECIMAL(8,2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 web_user_id	INT(11)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Foreign Key Name	Referenced Table
swim_meets_ibfk_1	`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.

Message Log

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

1 • DELETE FROM fa21_3308_tuo59359.user_role WHERE user_role_id=1;

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

< Context Help Snippets


Output

Action Output

#	Time	Action	Message	Duration / Fetch
2	13:33:27	INSERT INTO `fa21_3308_tuo59359`.`user_role` (`user_role_id`, `user_role_type`) ...	1062: Duplicate entry '2' for key 'PRIMARY'	
3	13:41:13	select * from web_user LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
4	13:42:07	select * from user_role LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
5	13:43:11	select * from web_user LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
6	13:43:21	select * from user_role LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
7	13:43:27	select * from web_user LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
8	13:49:00	INSERT INTO `fa21_3308_tuo59359`.`web_user` (`web_role_id`, `user_email`, `use...	1452: Cannot add or update a child row: a foreign key constraint fails (fa21_3308_t...	
9	13:49:00	INSERT INTO `fa21_3308_tuo59359`.`web_user` (`web_role_id`, `user_email`, `use...	1452: Cannot add or update a child row: a foreign key constraint fails (fa21_3308_t...	
10	13:56:21	select * from user_role LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
11	14:02:41	select * from web_user LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec
12	14:11:23	DELETE FROM fa21_3308_tuo59359.user_role WHERE user_role_id=1	Error Code: 1451. Cannot delete or update a parent row: a foreign key constraint fail...	0.016 sec

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

1 • DELETE FROM fa21_3308_tuo59359.web_user WHERE web_role_id=1;

Automatic context help
Use the toolbar to mani
help for the current car
or to toggle automatic l

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: | Apply | Revert | Context Help | Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fe
2	21:43:48	Apply changes to swim_meets	Changes applied	
3	21:43:56	select * from swim_meets LIMIT 0, 1000	0 row(s) returned	0.015 sec / 0
4	22:20:06	select * from web_user LIMIT 0, 1000	6 row(s) returned	0.016 sec / 0
5	22:20:44	select * from user_role LIMIT 0, 1000	3 row(s) returned	0.016 sec / 0
6	22:20:53	select * from web_user LIMIT 0, 1000	6 row(s) returned	0.016 sec / 0
7	22:21:35	select * from swim_meets LIMIT 0, 1000	10 row(s) returned	0.015 sec / 0
8	22:25:44	INSERT INTO 'fa21_3308_tuo59359'.swim_meets' ('swim_meets_id', 'swim_meets_...	1452: Cannot add or update a child row: a foreign key constraint fails ('fa21_3308_tuo...	
9	22:42:58	DELETE FROM fa21_3308_tuo59359.web_user WHERE web_role_id=1	Error Code: 1451. Cannot delete or update a parent row: a foreign key constraint fails (...)	0.016 sec

7. SELECT STATEMENTS

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

1 • select * from web_user

Result Grid | Filter Rows: | Edit: |

	user_role_id	user_role_type
	1	Manager
	3	Server
	2	Worker
	NULL	NULL

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

1 • `select * from web_user`

<

Result Grid | Filter Rows: | Edit: | Export/Import: |

	web_role_id	user_email	user_password	image	membership_fee	birthday	user_role_id
1	1	oood@va...	123	s	90.00	0000-0...	1
2	2	oood1@v...	123	d	90.00	0000-0...	2
3	3	oood2@v...	123	a	91.00	0000-0...	3
4	4	oood3@a...	123	e	92.00	0000-0...	2
5	5	oood4@a...	123	s	50.00	0000-0...	1
6	6	oood5@a...	123	NULL	NULL	NULL	3

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

1 • `SELECT web_role_id, user_email, user_password, birthday, membership_fee, user_role_type, web_user.user_r`
 2 `FROM user_role, web_user`
 3 `WHERE user_role.user_role_id = web_user.user_role_id`

<

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	web_role_id	user_email	user_password	birthday	membership_fee	user_role_type	user_role_id
1	1	oood@vahoo.com	123	0000-00-00	90.00	Manager	1
5	5	oood4@gmail.com	123	0000-00-00	50.00	Manager	1
3	3	oood2@vahoo.com	123	0000-00-00	91.00	Server	3
6	6	oood5@gmail.com	123	NULL	NULL	Server	3
2	2	oood1@vahoo.com	123	0000-00-00	90.00	Worker	2
4	4	oood3@gmail.com	123	0000-00-00	92.00	Worker	2

Result 10 x Read Only

Output

Action Output

#	Time	Action	Message
14	14:52:16	SELECT web_user_id, user_email, user_password, birthday, membership_fee, user...	Error Code: 1054. Unknown column 'web_user_id' in 'field list'
15	14:53:33	SELECT web_role_id, user_email, user_password, birthday, membership_fee, user_...	6 row(s) returned

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

```
1 • select * from 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
1	1	Relav Carnival	2021-10-01	Pennsylvania	swim.100	qualified	no	0.00	1
2	2	Zones	2021-11-14	Pennsylvania	swim.100	qualified	yes	100.00	1
3	3	Phillio 66	2021-12-14	California	swim.100	qualified	yes	3000.00	1
4	4	States	2022-01-10	Pennsylvania	swim.100	not qualified	no	0.00	2
5	5	Distict's	2022-02-14	Pennsylvania	swim.100	qualified	yes	300.00	1
6	6	Junior Olvmoics	2022-02-28	Pennsylvania	swim.100	not qualified	no	0.00	5
7	7	Senior Chamos	2022-03-10	Pennsylvania	swim.100	qualified	yes	500.00	4
8	8	Cardinal Classic	2022-03-24	Pennsylvania	swim.100	qualified	yes	400.00	4
9	9	Last Chance Meet	2022-04-28	Pennsylvania	swim.100	not qualified	NULL	NULL	3
10	10	Olvmoics	2021-07-29	Tokvo	swim.100	qualified	yes	10000.00	1
11	11	Paraolvmoics	2021-08-24	Tokvo	swim.100	not qualified	yes	10000.00	6

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

```
1 • select swim_meets_name, swim_meets_date, swim_meets_place, swim_meets_qualification, user_email
2 from swim_meets, web_user
3 where web_user.web_user_id = swim_meets.web_user_id
4 order by swim_meets_name, swim_meets_place;
```

	swim_meets_name	swim_meets_date	swim_meets_place	swim_meets_qualification	user_email
1	Cardinal Classic	2022-03-24	Pennsylvania	qualified	oood3@gmail.com
2	Distict's	2022-02-14	Pennsylvania	qualified	oood@vahoo.com
3	Junior Olvmoics	2022-02-28	Pennsylvania	not qualified	oood4@gmail.com
4	Last Chance Meet	2022-04-28	Pennsylvania	not qualified	oood2@vahoo.com
5	Olvmoics	2021-07-29	Tokvo	qualified	oood@vahoo.com
6	Paraolvmoics	2021-08-24	Tokvo	not qualified	oood5@gmail.com
7	Phillio 66	2021-12-14	California	qualified	oood@vahoo.com
8	Relav Carnival	2021-10-01	Pennsylvania	qualified	oood@vahoo.com
9	Senior Chamos	2022-03-10	Pennsylvania	qualified	oood3@gmail.com
10	States	2022-01-10	Pennsylvania	not qualified	oood1@vahoo.com
11	Zones	2021-11-14	Pennsylvania	qualified	oood@vahoo.com

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

