- **NAME**: Henry K. Kombem
- **WEBSITE**
  - **Name**: G-Sneaks
  - **URL**: http://cis-linux2.temple.edu:8080/sp21_3308_tul46491
  - **Description**: Have you ever attempted buying sneakers to sell, but the costs leave you with little or no profit ? Well, that is not a problem anymore. Browse through our vast collection of sneakers and pick what works best for your business. Affordable prices, great quality, and did I mention you are 50 orders away from FREE SHIPPING for your next 100 orders? Start investing now and thank us later.
- **DATABASE**
  - **Table Designs**
    - user_role design

- web_user design

Table Name: web_user   Schema: sp21_3308_tul46491

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
web_user_id	INT(11)	☑	☑	☐	☐	☐	☐	☑	☐	
user_email	VARCHAR(45)	☐	☑	☑	☐	☐	☐	☐	☐	
user_password	VARCHAR(45)	☐	☐	☐	☐	☐	☐	☐	☐	NULL
image	VARCHAR(200)	☐	☐	☐	☐	☐	☐	☐	☐	NULL
Birthday	DATE	☐	☐	☐	☐	☐	☐	☐	☐	NULL
membership_fee	DECIMAL(8,2)	☐	☐	☐	☐	☐	☐	☐	☐	NULL
user_role_id	INT(11)	☐	☑	☐	☐	☐	☐	☐	☐	
		☐	☐	☐	☐	☐	☐	☐	☐	

Column Name: user_role_id
Charset/Collation: Default Charset   Default Collation
Comments:

Data Type: INT(11)
Default:
Storage: ○ Virtual   ○ Stored
☐ Primary Key   ☑ Not Null   ☐ Unique
☐ Binary   ☐ Unsigned   ☐ Zero Fill
☐ Auto Increment   ☐ Generated

Columns   Indexes   Foreign Keys   Triggers   Partitioning   Options

Apply   Revert

Table Name: web_user   Schema: sp21_3308_tul46491

Foreign Key Name	Referenced Table
fk_user_role_id	`sp21_3308_tul46491`.`user_role`

Column	Referenced Column
☐ web_user_id	
☐ user_email	
☐ user_password	
☐ image	
☐ Birthday	
☐ membership_fee	
☑ user_role_id	user_role_id

Foreign Key Options
On Update: NO ACTION
On Delete: NO ACTION
☐ Skip in SQL generation

Foreign Key Comment

Columns   Indexes   Foreign Keys   Triggers   Partitioning   Options

Apply   Revert

- sneakers(other) design

Query 1 | user_role | web_user | sneakers | web_user - Table | sneakers - Table ×

Table Name: sneakers   Schema: **sp21_3308_tul46491**

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
sneaker_id	INT(11)	☑	☑	☐	☐	☐	☐	☑	☐	
sneaker_name	VARCHAR(45)	☐	☑	☐	☐	☐	☐	☐	☐	
brand	VARCHAR(45)	☐	☐	☐	☐	☐	☐	☐	☐	NULL
image	VARCHAR(200)	☐	☑	☐	☐	☐	☐	☐	☐	
stock	VARCHAR(45)	☐	☑	☐	☐	☐	☐	☐	☐	
wholesale_price	DECIMAL(9,2)	☐	☑	☐	☐	☐	☐	☐	☐	
retail_price	DECIMAL(9,2)	☐	☐	☐	☐	☐	☐	☐	☐	NULL
rating	DOUBLE	☐	☐	☐	☐	☐	☐	☐	☐	NULL
web_user_id	INT(11)	☐	☑	☐	☐	☐	☐	☐	☐	

Column Name: brand   Data Type: VARCHAR(45)

Charset/Collation: Default Charset | Default Collation   Default: NULL

Comments:

Storage: ○ Virtual ○ Stored
☐ Primary Key ☐ Not Null ☐ Unique
☐ Binary ☐ Unsigned ☐ Zero Fill
☐ Auto Increment ☐ Generated

Columns Indexes Foreign Keys Triggers Partitioning Options

Apply   Revert

Table Name: sneakers   Schema: **sp21_3308_tul46491**

Foreign Key Name	Referenced Table
fk_web_user_id	`sp21_3308_tul46491`.`web_user`

Column	Referenced Column
☐ sneaker_id	
☐ sneaker_name	
☐ brand	
☐ image	
☐ stock	
☐ wholesale_price	
☐ retail_price	
☐ rating	
☑ web_user_id	web_user_id

Foreign Key Options
On Update: NO ACTION
On Delete: NO ACTION

☐ Skip in SQL generation

Foreign Key Comment

Columns Indexes Foreign Keys Triggers Partitioning Options

Apply   Revert

- o **Data Entry Errors**
  - Duplicate user_role PK in user_role record

  (X) Execute SQL Statements

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

  Message Log

  ```
  Executing:
  INSERT INTO `sp21_3308_tul46491`.`user_role` (`user_role_id`, `user_role_type`) VALUES ('0',
  'type2');

  Operation failed: There was an error while applying the SQL script to the database.
  ERROR 1062: 1062: Duplicate entry '0' for key 'PRIMARY'
  SQL Statement:
  INSERT INTO `sp21_3308_tul46491`.`user_role` (`user_role_id`, `user_role_type`) VALUES ('0',
  'type2')
  ```

  - Invalid user_role FK in web_user record

  (X) Execute SQL Statements

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

  Message Log

  ```
  Executing:
  UPDATE `sp21_3308_tul46491`.`web_user` SET `user_role_id` = '7' 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
  (`sp21_3308_tul46491`.`web_user`, CONSTRAINT `fk_user_role_id` FOREIGN KEY (`user_role_id`)
  REFERENCES `user_role` (`user_role_id`) ON DELETE CASCADE ON UPDATE CASCADE)
  SQL Statement:
  UPDATE `sp21_3308_tul46491`.`web_user` SET `user_role_id` = '7' WHERE (`web_user_id` = '5')
  ```

- error trying to delete a user_role record that's referenced by a web _user record

Execute SQL Statements

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

Message Log

```
Executing:
DELETE FROM `sp21_3308_tul46491`.`user_role` WHERE (`user_role_id` = '1');

Operation failed: There was an error while applying the SQL script to the database.
ERROR 1451: 1451: Cannot delete or update a parent row: a foreign key constraint fails
(`sp21_3308_tul46491`.`web_user`, CONSTRAINT `fk_user_role_id` FOREIGN KEY (`user_role_id`)
REFERENCES `user_role` (`user_role_id`) ON DELETE NO ACTION ON UPDATE NO ACTION)
SQL Statement:
DELETE FROM `sp21_3308_tul46491`.`user_role` WHERE (`user_role_id` = '1')
```

- 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 `sp21_3308_tul46491`.`sneakers` (`web_user_id`) VALUES ('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
(`sp21_3308_tul46491`.`sneakers`, CONSTRAINT `fk_web_user_id` FOREIGN KEY (`web_user_id`)
REFERENCES `web_user` (`web_user_id`) ON DELETE NO ACTION ON UPDATE NO ACTION)
SQL Statement:
INSERT INTO `sp21_3308_tul46491`.`sneakers` (`web_user_id`) VALUES ('10')
```

- error trying to delete a web_user record that's referenced by an "other" record

     ◦ **Select Statements**
       ▪ USER_ROLE: all rows, all columns, sorted by user_role_id.

```
1 •   SELECT * FROM sp21_3308_tul46491.user_role
2     ORDER BY user_role.user_role_id;
```

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

```
1 ● SELECT * FROM sp21_3308_tul46491.web_user
2   ORDER BY web_user.web_user_id;
3   |
```

web_user_id	user_email	user_password	image	Birthday	membership_fee	user_role_id
1	johndoe@yahoo.com	pringles	http://cis-linux2.temple.edu:8080/sp21_3308_tul46491/pics/Employee1.jpeg	1999-07-02	24.00	0
2	miracul232@gmail.com	water	http://cis-linux2.temple.edu:8080/sp21_3308_tul46491/pics/Employee2.jpg	NULL	35.00	0
3	fendymas@pearl.com	designerish	https://resizing.flixster.com/DkK-8PRRYfTZtwcfePHAkTPcySs=/2244x300...	2001-01-21	99.99	1
4	mazmans@gmail.com	preacher	https://th.bing.com/th/id/OIP.ImHCfTfSmlL-0i-rUClG2wAAAA?w=206&h=2...	1990-03-12	35.00	0
6	fendiQ@insta.com	NULL	NULL	NULL	NULL	2
NULL	NULL	NULL	NULL	NULL	NULL	NULL

web_user 4 ×   Apply

Output

Action Output ▼

#	Time	Action	Message
● 1	18:14:58	SELECT * FROM sp21_3308_tul46491.web_user ORDER BY web_user.web_user_id LIMIT 0, 10000	5 row(s) returned

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

```
1 ● SELECT userRole.user_role_type, webUser.user_email FROM sp21_3308_tul46491.web_user as webUser
2   INNER JOIN sp21_3308_tul46491.user_role  AS userRole
3   ON webUser.user_role_id = userRole.user_role_id  |
4   ORDER BY userRole.user_role_type, webUser.user_email;
5
```

user_role_type	user_email
admin	fendymas@pearl.com
salesperson	johndoe@yahoo.com
salesperson	mazmans@gmail.com
salesperson	miracul232@gmail.com
s_designer	fendiQ@insta.com

Result 2 ×

Output

Action Output ▼

#	Time	Action	Message
● 1	12:46:46	SELECT userRole.user_role_type, webUser.user_email FROM sp21_3308_tul46491.web_user as webUser INN...	5 row(s) returned

- **SNEAKERS (OTHER): all rows, all columns, sorted by the id of your "other" table.**

```
1 •   select  * from sp21_3308_tul46491.sneakers as sneaker
2     order by sneaker.sneaker_id ;
```

sneaker_id	sneaker_name	brand	image	stock	wholesale_price	retail_price	rating	web_user_id
1	Air force 1s	NULL	http://cis-linux2.temple.edu:8080/sp21_3308_tul46491/pics/retro11A.jpeg	343	134.00	200.00	4.6	2
2	Retro 2	Jordan	http://cis-linux2.temple.edu:8080/sp21_3308_tul46491/pics/retro11B.jpeg	2343	120.00	220.00	4.9	3
3	Retro 4	Jordan	http://cis-linux2.temple.edu:8080/sp21_3308_tul46491/pics/retro12B.jpeg	422	150.00	NULL	4.2	4
4	Air Mags	Nike	http://cis-linux2.temple.edu:8080/sp21_3308_tul46491/pics/retro12A.jpeg	2323	2000.00	2700.00	3.5	6
5	Foamposites	Nike	http://cis-linux2.temple.edu:8080/sp21_3308_tul46491/pics/Retro9a.jpeg	335	200.00	256.00	NULL	1
6	Air Max 2	Nike	http://cis-linux2.temple.edu:8080/sp21_3308_tul46491/pics/Retro9b.jpeg	654	100.00	145.00	4	2
7	NB Timberlands	Timberland	http://cis-linux2.temple.edu:8080/sp21_3308_tul46491/pics/noPreview.png	53	0.00	300.00	5	6
9	Wallabees	Clarks	http://cis-linux2.temple.edu:8080/sp21_3308_tul46491/pics/foamsB.jpeg	345	99.99	150.00	4.7	3
10	Curry Flow 8	Under Armour	http://cis-linux2.temple.edu:8080/sp21_3308_tul46491/pics/foamsA.jpeg	78	199.00	299.00	4.6	3
12	Retro 11	NULL	http://cis-linux2.temple.edu:8080/sp21_3308_tul46491/pics/noPreview.png	432	120.00	NULL	NULL	4
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

sneakers 4 ×

Output

Action Output

#	Time	Action	Message
✅ 1	18:25:00	select *from sp21_3308_tul46491.sneakers as sneaker order by sneaker.sneaker_id LIMIT 0, 10000	10 row(s) returned

- **SNEAKERS (OTHER) JOINED WITH WEB_USER all rows, certain columns, sorted.**

```
1 •   SELECT  sneaker.sneaker_name , webUser.user_email | FROM sp21_3308_tul46491.sneakers as sneaker
2     INNER JOIN sp21_3308_tul46491.web_user  AS webUser
3     ON sneaker.web_user_id = webUser.web_user_id
4     ORDER BY sneaker.sneaker_name, webUser.user_email;
```

sneaker_name	user_email
Air force 1s	miracul232@gmail.com
Air Mags	fendiQ@insta.com
Air Max 2	miracul232@gmail.com
Curry Flow 8	fendymas@pearl.com
Foamposites	johndoe@yahoo.com
NB Timberlands	fendiQ@insta.com
Retro 11	mazmans@gmail.com
Retro 2	fendymas@pearl.com
Retro 4	mazmans@gmail.com
Wallabees	fendymas@pearl.com

Result 12 ×

Output

Action Output

#	Time	Action	Message
✅ 1	18:46:13	SELECT sneaker.sneaker_name , webUser.user_email FROM sp21_3308_tul46491.sneakers as sneaker INN...	10 row(s) returned

- SNEAKERS (OTHER) JOINED WITH WEB_USER some rows, certain columns, sorted.

```sql
1 • SELECT  sneaker.sneaker_name , webUser.user_email  FROM sp21_3308_tul46491.sneakers as sneaker
2   INNER JOIN sp21_3308_tul46491.web_user  AS webUser
3   ON sneaker.web_user_id = webUser.web_user_id
4   where webUser.membership_fee > 24
5   ORDER BY sneaker.sneaker_name, webUser.user_email;
```

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

sneaker_name	user_email
Air force 1s	miracul232@gmail.com
Air Max 2	miracul232@gmail.com
Curry Flow 8	fendymas@pearl.com
Retro 11	mazmans@gmail.com
Retro 2	fendymas@pearl.com
Retro 4	mazmans@gmail.com
Wallabees	fendymas@pearl.com

Result 14 ✕

Output

Action Output ▼

#	Time	Action	Message
✓ 1	18:47:10	SELECT sneaker.sneaker_name , webUser.user_email FROM sp21_3308_tul46491.sneakers as sneaker INN...	7 row(s) returned