

[illegible]

- **WEB\_USER FOREIGN KEY:**




Table Name:

Collation:

Comments:

Foreign Key Name	Referenced Table
web_user_ibfk_1	`FA20_3308_tuf25007`.`user_role`
<input type="text"/>	<input type="text"/>

- **GAME\_TABLE DESIGN:**




Table Name:

Collation:

Comments:

Column Name	Datatype	PK	NN	UQ	BIN	UN	ZF	AI	Default
game_table_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"/>	
game_name	VARCHAR(45)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
game_url	VARCHAR(200)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
game_cost	DECIMAL(10,0)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
release_date	DATE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
game_genre	VARCHAR(30)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
game_console	VARCHAR(45)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
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"/>	NULL
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

- **GAME\_TABLE FOREIGN KEY:**




Table Name:

Collation:

Comments:

Foreign Key Name	Referenced Table
game_table_ibfk_1	`FA20_3308_tuf25007`.`web_user`
<input type="text"/>	<input type="text"/>

## SELECT STATEMENTS

- **USER\_ROLE:** all row, all columns, sorted by user\_role\_id

The screenshot shows a database client interface. The SQL editor contains the following query:

```
1  ### showing all rows and columns sorted by user_role_id
2  SELECT *
3  FROM user_role
4  ORDER BY user_role_id;
5
```

The results are displayed in a table with two columns: user\_role\_id and user\_role\_type.

user_role_id	user_role_type
1	ADMIN
2	MEMBER
3	VIEWER
NULL	NULL

The output pane shows the following message:

```
1 21:12:49 SELECT * FROM user_role ORDER BY user_role_id LIMIT 0, 1000
3 row(s) returned
```

- **WEB\_USER:** all rows, all columns, sorted by web\_user\_id

The screenshot shows a database client interface. The SQL editor contains the following query:

```
6  ### showing all rows and columns sorted by web_user_id
7  SELECT *
8  FROM web_user
9  ORDER BY web_user_id;
10
```

The results are displayed in a table with seven columns: web\_user\_id, user\_email, user\_password, image, birthday, membership\_fee, and user\_role\_id.

web_user_id	user_email	user_password	image	birthday	membership_fee	user_role_id
1	wayne.cook@temple.edu	wc	NULL	1995-06-03	0.00	1
2	batman@gotham.org	batM	https://www.google.com/imgres?imgurl=https...	NULL	NULL	1
3	robinIsAwesome@gotham.org	robin	https://www.google.com/imgres?imgurl=https...	NULL	50.00	2
4	flashIsFast@justiceleague.org	flashIt	https://www.google.com/imgres?imgurl=https...	NULL	100.00	2
5	wonder.woman@justiceleague.org	wonderW420	https://www.google.com/imgres?imgurl=https...	NULL	NULL	2
6	definitelyNotJoker@gotham.com	NULL	https://www.google.com/url?sa=i&url=https%...	NULL	NULL	3

The output pane shows the following messages:

```
1 21:12:49 SELECT * FROM user_role ORDER BY user_role_id LIMIT 0, 1000
3 row(s) returned

2 21:16:25 SELECT * FROM web_user ORDER BY web_user_id LIMIT 0, 1000
6 row(s) returned
```

- **WEB\_USER JOINED WITH USER\_ROLE:** all rows, certain columns, sorted

The screenshot shows a database client window with a SQL editor at the top and a results grid below. The SQL query is as follows:

```

10
11 ### showing user role type and email
12 SELECT user_role_type, user_email
13 FROM web_user, user_role
14 WHERE web_user.user_role_id = user_role.user_role_id
15 ORDER BY user_role_type, user_email;
16

```

The results grid displays the following data:

user_role_type	user_email
ADMIN	batman@gotham.org
ADMIN	wayne.cook@temple.edu
MEMBER	flashIsFast@justiceleague.org
MEMBER	robinIsAwesome@gotham.org

Below the results grid, the 'Output' section shows the execution log:

	Time	Action	Message
✓	1 21:12:49	SELECT * FROM user_role ORDER BY user_role_id LIMIT 0, 1000	3 row(s) returned
✓	2 21:16:25	SELECT * FROM web_user ORDER BY web_user_id LIMIT 0, 1000	6 row(s) returned
✓	3 21:18:18	SELECT user_role_type, user_email FROM web_user, user_role WHERE web_user.user_role_id = user_role.user...	6 row(s) returned

- **GAME\_TABLE:** all rows, all columns, sorted by the id

The screenshot shows a database client window with a SQL editor at the top and a results grid below. The SQL query is as follows:

```

17 ### showing all results from game_table
18 SELECT *
19 FROM game_table;

```

The results grid displays the following data:

game_table_id	game_name	game_url	game_cost	release_date	game_genre	game_console	web_user_id
1	Crash Bandicoot 4: It's About Time	https://www.gameinformer.com/product/crash-...	60	2020-10-02	Action-Platformer	Playstation, Xbox	1
2	Amnesia: Rebirth	https://store.steampowered.com/app/999220/...	30	2020-10-20	Horror	Playstation, PC	6
3	Ghostrunner	https://store.steampowered.com/app/1139900...	30	2020-10-27	Action, CyberPunk	Playstation, PC	6
4	World of Warcraft: Shadowlands	https://worldofwarcraft.com/en-us/shadowlands	40	2020-10-27	MMO	PC	2
5	Watch Dogs: Legion	https://watchdogs.ubisoft.com/game/en-us/	60	2020-10-29	Action-adventure	Playstation, Xbox, PC	3
6	Dirt 5	https://dirtgame.com/dirt5	60	2020-11-06	Racing	Playstation, Xbox, PC	4
7	Forza Horizon 4	https://forzamotorsport.net/en-us/games/fh4/	60	2020-11-10	Racing	Xbox	4
8	Yakuza: Like A Dragon	https://likeadragon.sega.com/	60	2020-11-13	Role-playing	Playstation, Xbox, PC	5
9	Cyberpunk 2077	https://www.cyberpunk.net/	60	2020-11-19	Role-playing	Playstation, Xbox, PC	3
10	Hyrule Warriors: Age of Calamity	https://www.nintendo.com/games/detail/hyrule...	60	2020-11-20	Hack and Slash	Switch	1
11	Cartel Tycoon	NULL	NULL	NULL	NULL	NULL	1

Below the results grid, the 'Output' section shows the execution log:

	Time	Action	Message
✓	1 21:12:49	SELECT * FROM user_role ORDER BY user_role_id LIMIT 0, 1000	3 row(s) returned
✓	2 21:16:25	SELECT * FROM web_user ORDER BY web_user_id LIMIT 0, 1000	6 row(s) returned
✓	3 21:18:18	SELECT user_role_type, user_email FROM web_user, user_role WHERE web_user.user_role_id = user_role.user...	6 row(s) returned
✓	4 21:19:36	SELECT * FROM game_table LIMIT 0, 1000	11 row(s) returned

- **GAME\_TABLE JOINED WITH WEB\_USER:** all rows, certain columns, sorted

Limit to 1000 rows

```

21  ### showing game name and user email
22  SELECT game_name, user_email
23  FROM game_table, web_user
24  WHERE game_table.web_user_id = web_user.web_user_id
25  ORDER BY game_name, user_email;

```

Result Grid

game_name	user_email
Amnesia: Rebirth	definitelyNotJoker@gotham.com
Cartel Tycoon	wayne.cook@temple.edu
Crash Bandicoot 4: It's About Time	wayne.cook@temple.edu
Cyberpunk 2077	robinIsAwesome@gotham.org
Dirt 5	flashIsFast@justiceleague.org
Forza Horizon 4	flashIsFast@justiceleague.org
Ghostrunner	definitelyNotJoker@gotham.com
Hyrule Warriors: Age of Calamity	wayne.cook@temple.edu
Watch Dogs: Legion	robinIsAwesome@gotham.org
World of Warcraft: Shadowlands	batman@gotham.org
Yakuza: Like A Dragon	wonder.woman@justiceleague....

Result 5

Output

Action Output

	Time	Action	Message
✓	1 21:12:49	SELECT * FROM user_role ORDER BY user_role_id LIMIT 0, 1000	3 row(s) returned
✓	2 21:16:25	SELECT * FROM web_user ORDER BY web_user_id LIMIT 0, 1000	6 row(s) returned
✓	3 21:18:18	SELECT user_role_type, user_email FROM web_user, user_role WHERE web_user.user_role_id = user_role.user...	6 row(s) returned
✓	4 21:19:36	SELECT * FROM game_table LIMIT 0, 1000	11 row(s) returned
✓	5 21:21:59	SELECT game_name, user_email FROM game_table, web_user WHERE game_table.web_user_id = web_user.w...	11 row(s) returned



- **GAME\_TABLE JOINED WITH WEB\_USER:** some rows, certain columns, sorted

Limit to 1000 rows

```

27  ### showing game name and user email
28  SELECT game_name, user_email
29  FROM game_table, web_user
30  WHERE game_table.web_user_id = web_user.web_user_id
31  AND game_table.web_user_id <= 4
32  ORDER BY game_name, user_email;

```

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

game_name	user_email
Cartel Tycoon	wayne.cook@temple.edu
Crash Bandicoot 4: It's About Time	wayne.cook@temple.edu
Cyberpunk 2077	robinIsAwesome@gotham.org
Dirt 5	flashIsFast@justiceleague.org
Forza Horizon 4	flashIsFast@justiceleague.org
Hyrule Warriors: Age of Calamity	wayne.cook@temple.edu
Watch Dogs: Legion	robinIsAwesome@gotham.org
World of Warcraft: Shadowlands	batman@gotham.org

Result 6 x

Output

Action Output

	Time	Action	Message
✓	1 21:12:49	SELECT * FROM user_role ORDER BY user_role_id LIMIT 0, 1000	3 row(s) returned
✓	2 21:16:25	SELECT * FROM web_user ORDER BY web_user_id LIMIT 0, 1000	6 row(s) returned
✓	3 21:18:18	SELECT user_role_type, user_email FROM web_user, user_role WHERE web_user.user_role_id = user_role.user...	6 row(s) returned
✓	4 21:19:36	SELECT * FROM game_table LIMIT 0, 1000	11 row(s) returned
✓	5 21:21:59	SELECT game_name, user_email FROM game_table, web_user WHERE game_table.web_user_id = web_user.w...	11 row(s) returned
✓	6 21:23:13	SELECT game_name, user_email FROM game_table, web_user WHERE game_table.web_user_id = web_user.w...	8 row(s) returned