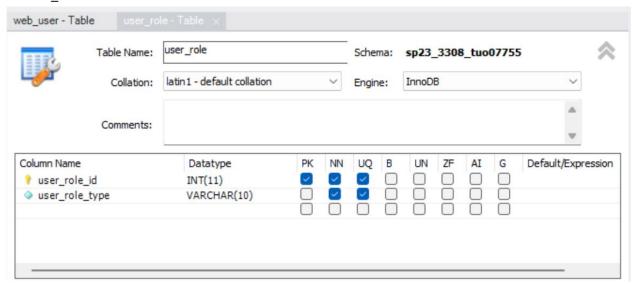
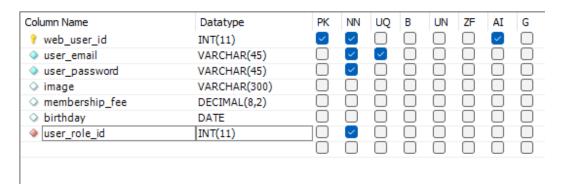
- 1. STUDENT NAME
 - a. Joshua Deland
- 2. URL to STUDENT WEB SITE
 - a. All About Cameras
- 3. user_role TABLE DESIGN



4. web_user TABLE DESIGN and FOREIGN KEY



| web_user_ibfk_1 `sp23_3308_tuo07755`.`user_role` | Foreign Key Name | Referenced Table | |
|--|------------------|----------------------------------|--|
| | web_user_ibfk_1 | `sp23_3308_tuo07755`.`user_role` | |
| | | | |

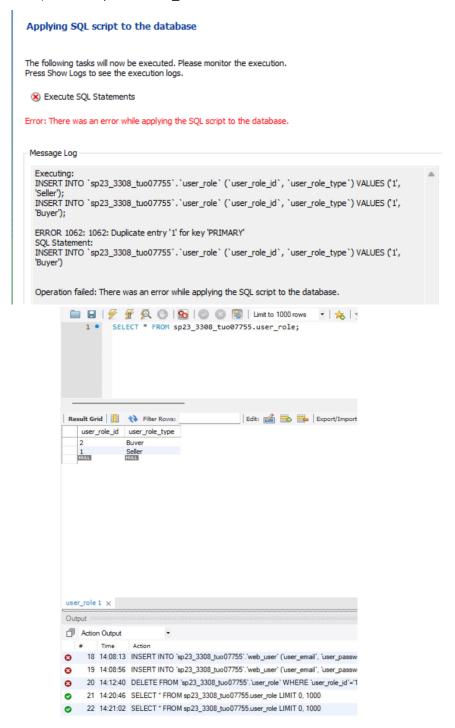
5. "OTHER" TABLE DESIGN AND FOREIGN KEY

| 100 | Table Name: | user_camera | | | | | | | | | Schema: | sp23_3308_t | tuo07755 |
|-------------|-------------|-----------------------------|--------------|------------------------------|------------------------------|---|----|----|--------|---|----------|-------------|----------|
| | Collation: | latin 1 - default collation | | | | | | | | ~ | Engine: | InnoDB | |
| | Comments: | | | | | | | | | | | | |
| Column Name | | Datatype | PK | NN | UQ | В | UN | ZF | ΑI | G | Default/ | Expression | |
| 💡 user_came | era_id | INT(11) | \checkmark | \checkmark | | | | | \sim | | | | |
| brand | | VARCHAR(30) | | $[\checkmark]$ | | | | | | | | | |
| model | | VARCHAR(45) | | $[\checkmark]$ | $\langle \checkmark \rangle$ | | | | | | | | |
| price | | FLOAT | | $\langle \checkmark \rangle$ | | | | | | | | | |
| type | | VARCHAR(30) | | | | | | | | | NULL | | |
| condition | | VARCHAR(20) | | $\langle \checkmark \rangle$ | | | | | | | | | |
| megapixe | s | FLOAT | | | | | | | | | NULL | | |
| year_mad | e | INT(4) | | | | | | | | | NULL | | |
| primary_ir | mage | VARCHAR(200) | | $\langle \checkmark \rangle$ | | | | | | | | | |
| descriptio | n | VARCHAR(1000) | | | | | | | | | NULL | | |
| web_user | _id | INT(11) | | $[\checkmark]$ | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

| web_user_id | Foreign Key Name | Referenced Table | |
|-------------|------------------|---------------------------------|--|
| | web_user_id | `sp23_3308_tuo07755`.`web_user` | |
| | | | |

6. DATA ENTRY ERRORS

a) Error: Duplicate user_role PK



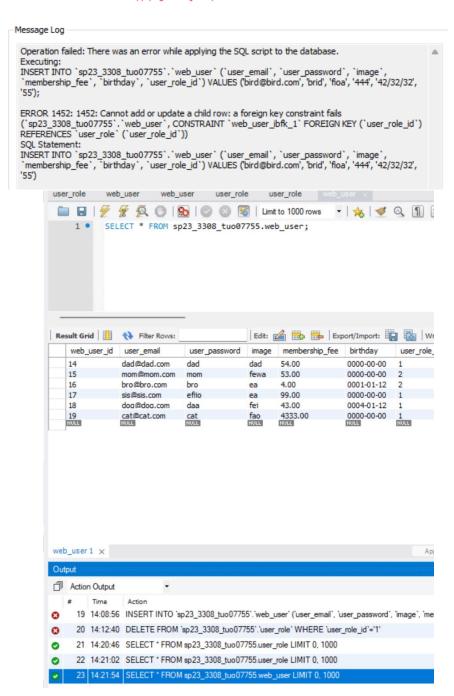
b) Error: Invalid user_role FK in web_user record

Applying SQL script to the database

The following tasks will now be executed. Please monitor the execution. Press Show Logs to see the execution logs.

■ Execute SQL Statements

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



c) Error: Cannot delete a user_role record that's referenced by a web _user record

Applying SQL script to the database

The following tasks will now be executed. Please monitor the execution. Press Show Logs to see the execution logs.

■ Execute SQL Statements

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

```
Executing:

DELETE FROM `sp23_3308_tuo07755`.`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

(`sp23_3308_tuo07755`.`web_user`, CONSTRAINT`web_user_ibfk_1` FOREIGN KEY (`user_role_id`)

REFERENCES `user_role` (`user_role_id`))

SQL Statement:

DELETE FROM `sp23_3308_tuo07755`.`user_role` WHERE `user_role_id` ='1'
```

d) Invalid web user FK in "other" record

Applying SQL script to the database

The following tasks will now be executed. Please monitor the execution. Press Show Logs to see the execution logs.

★ Execute SQL Statements

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

Operation failed: There was an error while applying the SQL script to the database. Executing: INSERT INTO `sp23_3308_tuo07755`.`user_camera` (`brand`, `model`, `price`, `type`, `condition`, `megapixels`, `year_made`, `primary_image`, `description`, `web_user_id`) VALUES (Panasonic', 'Lumix S3', '775.00', 'Mirrorless', 'Used', '23.4', '2015', 'lumixs3.jpg', 'This record will fail', '99'); ERROR 1452: 1452: Cannot add or update a child row: a foreign key constraint fails (`sp23_3308_tuo07755`.`user_camera`, CONSTRAINT `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 `sp23_3308_tuo07755`.`user_camera` (`brand`, `model`, `price`, `type`, `condition`, `megapixels`, `year_made`, `primary_image`, `description`, `web_user_id`) VALUES ('Panasonic', 'Lumix S3', '775.00', 'Mirrorless', 'Used', '23.4', '2015', 'lumixs3.jpg', 'This record will fail', '99')

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

Applying SQL script to the database

The following tasks will now be executed. Please monitor the execution. Press Show Logs to see the execution logs.

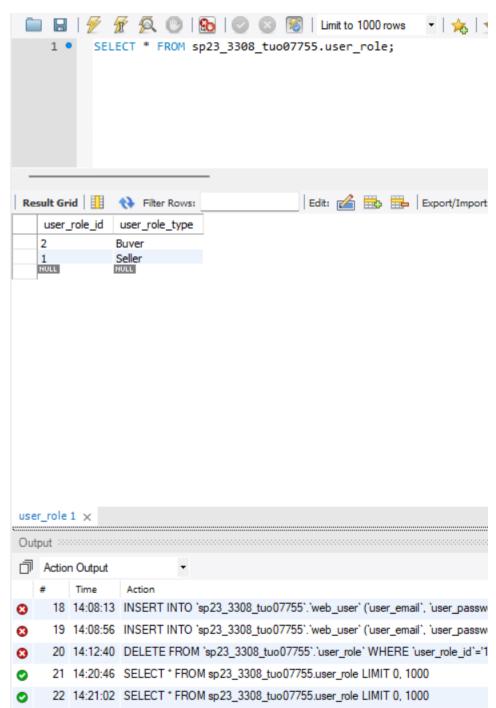
Error: There was an error while applying the SQL script to the database.

```
Operation failed: There was an error while applying the SQL script to the database.
Executing:
DELETE FROM `sp23_3308_tuo07755`.`web_user` WHERE `web_user_id`='16';

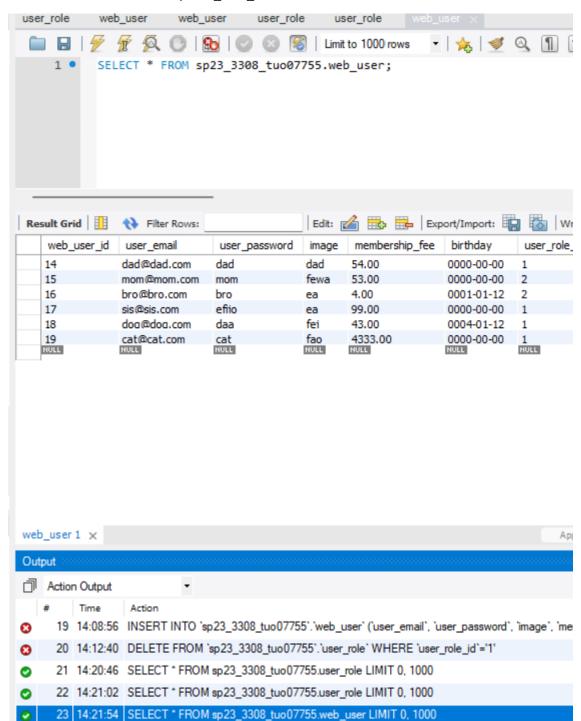
ERROR 1451: 1451: Cannot delete or update a parent row: a foreign key constraint fails
(`sp23_3308_tuo07755`.`user_camera`, CONSTRAINT `web_user_id` FOREIGN KEY (`web_user_id`)
REFERENCES `web_user` (`web_user_id`) ON DELETE NO ACTION ON UPDATE NO ACTION)
SQL Statement:
DELETE FROM `sp23_3308_tuo07755`.`web_user` WHERE `web_user_id`='16'
```

7. SELECT STATEMENTS

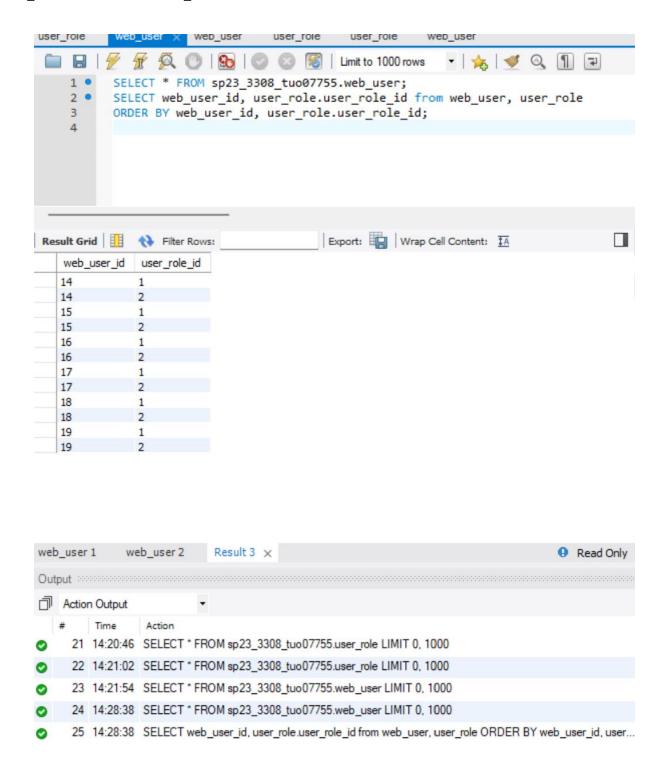
a) USER_ROLE: all rows, all columns, sorted by user_role_id.



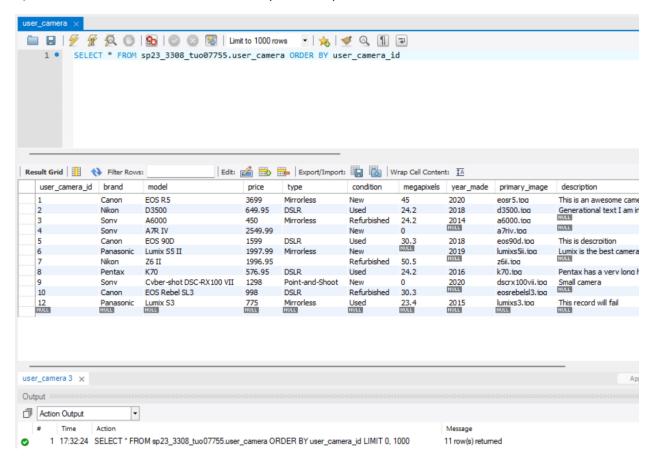
b) WEB_USER: all rows, all columns, sorted by web_user_id.



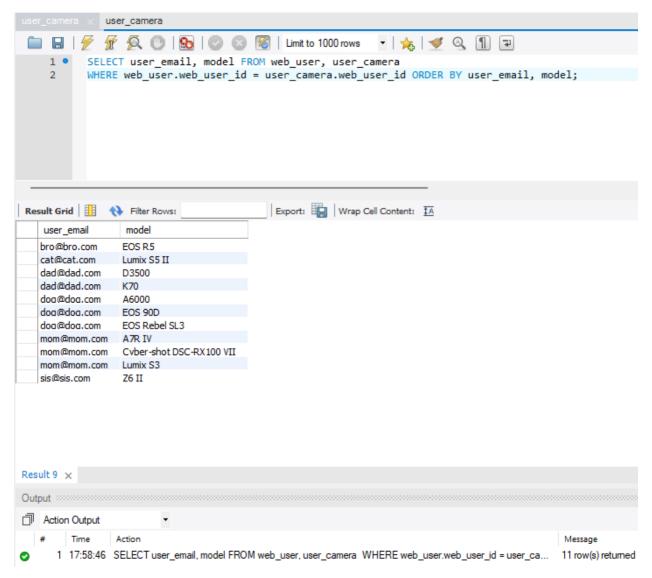
c) WEB_USER JOINED WITH USER_ROLE: all rows, certain columns, sorted



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



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



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

