1. STUDENT NAME

2. URL to STUDENT WEB SITE

3. user_role TABLE DESIGN

4. web_user TABLE DESIGN and FOREIGN KEY

5. “OTHER” TABLE DESIGN and FOREIGN KEY

6. DATA ENTRY ERRORS

    a) Error: Duplicate user_role PK

    b) Error: Invalid user_role FK in web_user record

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

    d) Invalid web_user FK in “other” record

    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.

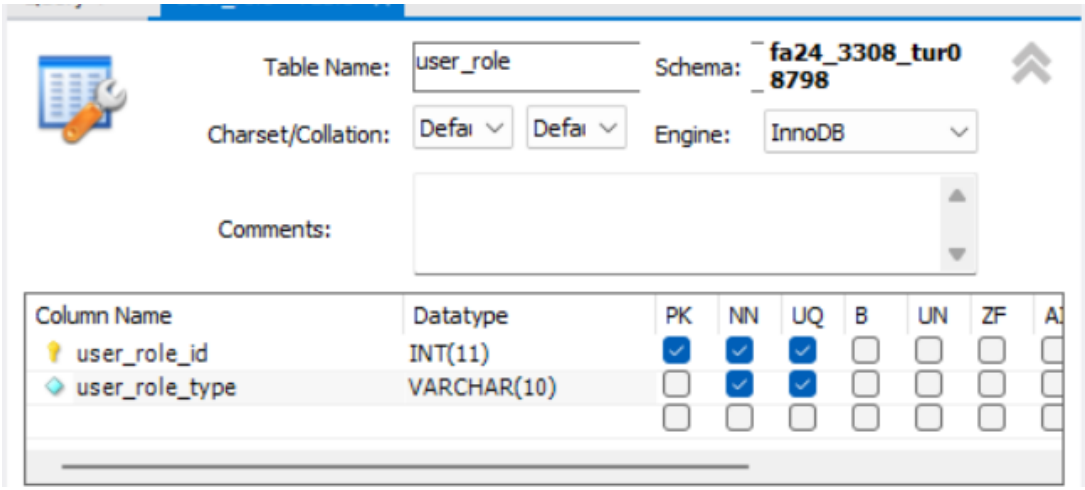
    c) WEB_USER JOINED WITH USER_ROLE: all rows, certain columns, sorted.

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

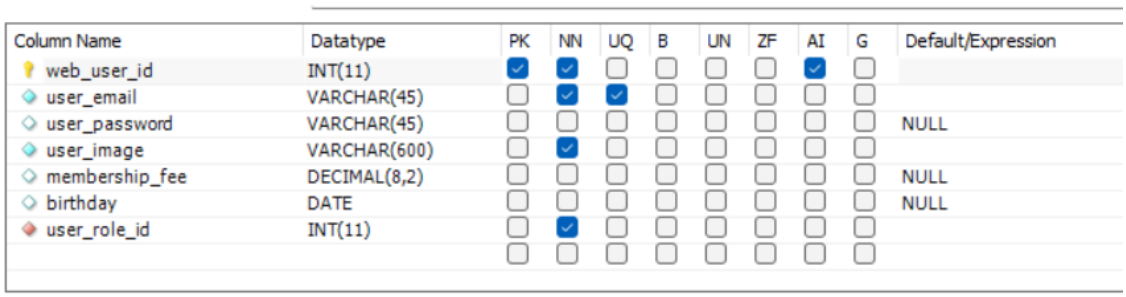
    g) “OTHER” JOINED WITH WEB_USER all rows, certain columns, sorted.

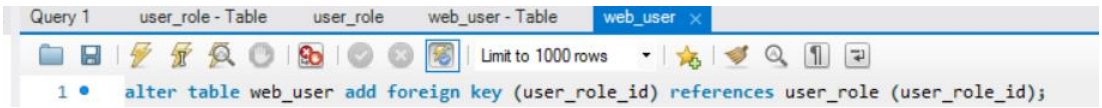
    h) “OTHER” JOINED WITH WEB_USER some rows, certain columns, sorted.

1. Name: Himanshi Sheth
2. Web Link:fa24_3308_tur08798/index.html
3. user_role TABLE DESIGN:

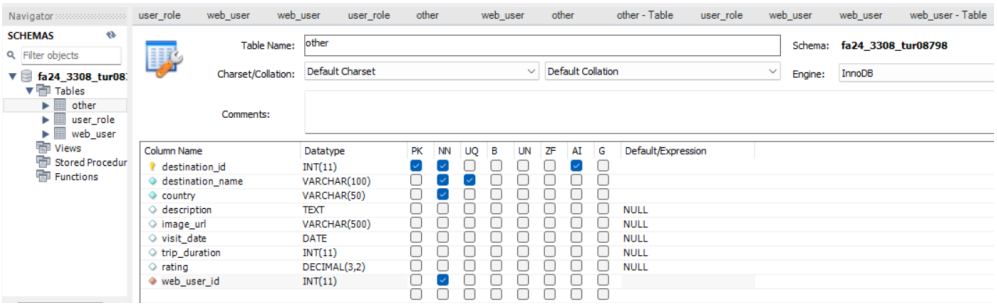


4. web_user TABLE DESIGN and FOREIGN KEY:



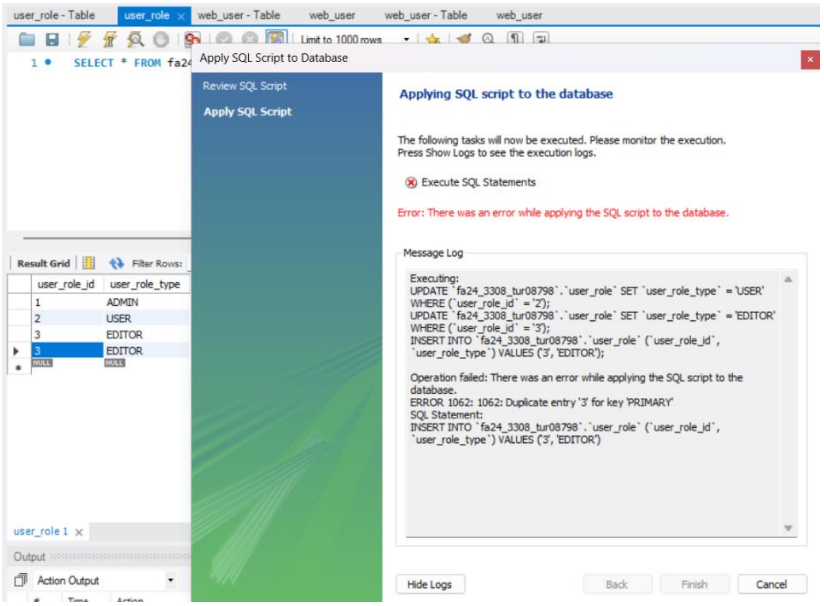


5. "OTHER" TABLE DESIGN and FOREIGN KEY

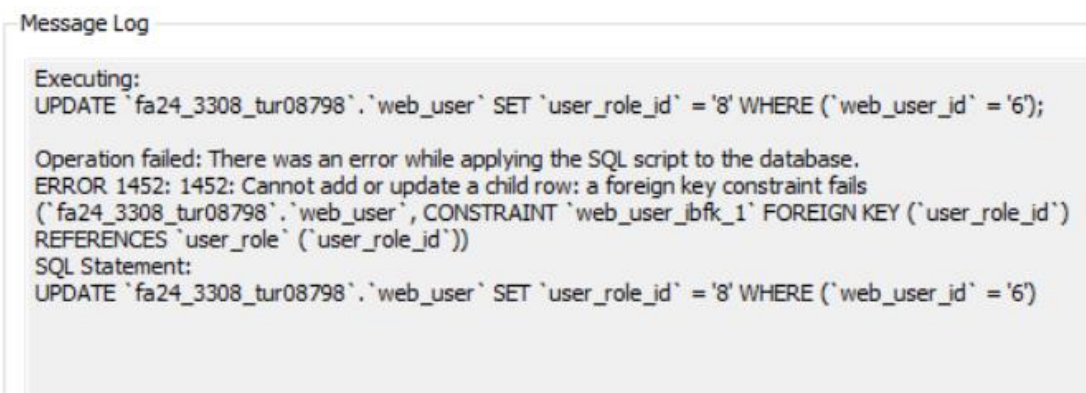



```
ALTER TABLE `other` ADD FOREIGN KEY (`web_user_id`) REFERENCES `web_user`(`web_user_id`);
```

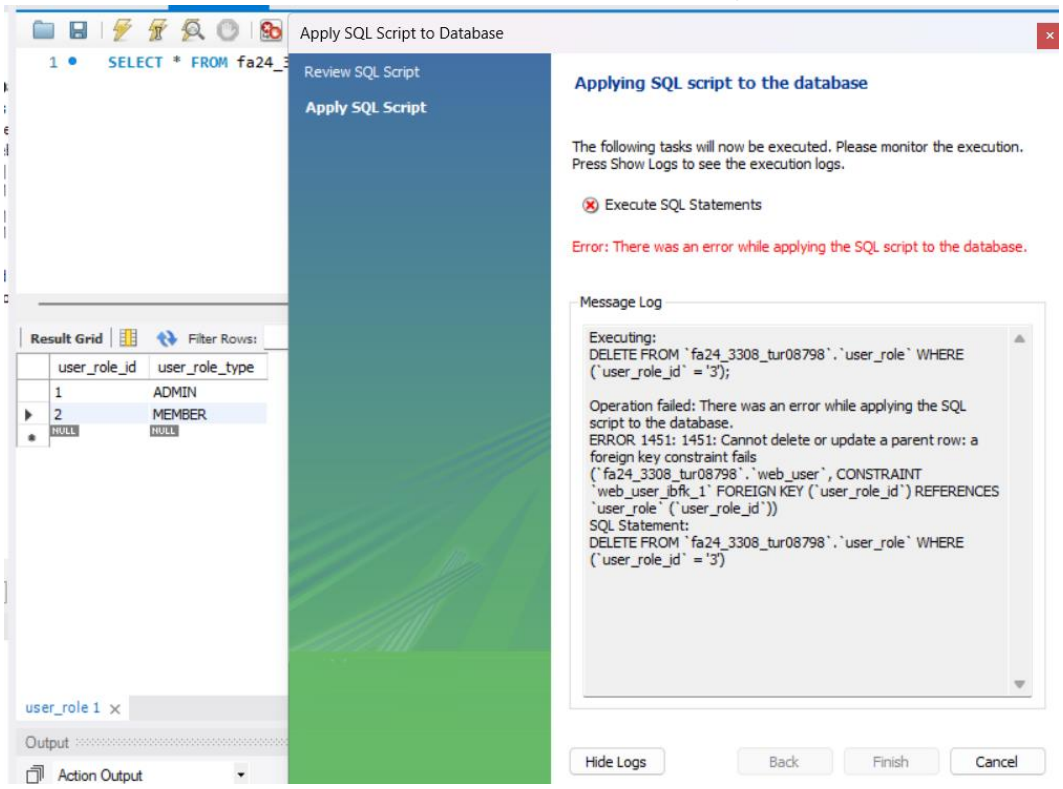
6. DATA ENTRY ERRORS:
   a) Error: Duplicate user_role PK



   b) Error: Invalid user_role FK in web_user record



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



d) Invalid web_user FK in "other" record

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

Message Log

```
Executing:
DELETE FROM `fa24_3308_tur08798`.`web_user` WHERE (`web_user_id` = '6');

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
(`fa24_3308_tur08798`.`other`, CONSTRAINT `other_ibfk_1` FOREIGN KEY (`web_user_id`)
REFERENCES `web_user` (`user_role_id`))
SQL Statement:
DELETE FROM `fa24_3308_tur08798`.`web_user` WHERE (`web_user_id` = '6')
```

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

```
SELECT * FROM user_role
ORDER BY user_role_id;
```

Result Grid | Filter Rows: | Edi

user_role_id	user_role_type
1	ADMIN
2	MEMBER
3	EDITOR

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

```
SELECT * FROM web_user
ORDER BY web_user_id;
```

web_user_id	user_email	user_password	user_image	membership_fee	birthday	user_role_id
1	tur08@temple.edu	1234	https://as1.ftcdn.net/v2/jpg/02/43/12/34/1000...	NULL	2000-09-03	2
2	jack@gamil.com	5864	https://as1.ftcdn.net/v2/jpg/02/43/12/34/1000...	NULL	1995-03-25	1
3	nancy@hotmail.com	6586	https://as1.ftcdn.net/v2/jpg/02/43/12/34/1000...	50.00	NULL	2
4	nick@yahoo.com	56079	https://as1.ftcdn.net/v2/jpg/02/43/12/34/1000...	50.00	1992-07-02	2
5	andrew@hotmail	66620	https://as1.ftcdn.net/v2/jpg/02/43/12/34/1000...	50.00	NULL	1
6	lawrence@gmail.com	6664	https://as1.ftcdn.net/v2/jpg/02/43/12/34/1000...	100.00	1988-06-09	3
NULL	NULL	NULL	NULL	NULL	NULL	NULL

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

```
SELECT ur.user_role_type, wu.user_email
FROM web_user wu
INNER JOIN user_role ur ON wu.user_role_id = ur.user_role_id
ORDER BY ur.user_role_type, wu.user_email;
```

user_role_type	user_email
ADMIN	andrew@hotmail
ADMIN	jack@gamil.com
EDITOR	lawrence@gmail.com
MEMBER	nancy@hotmail.com
MEMBER	nick@yahoo.com
MEMBER	tur08@temple.edu

Result 15

Output

Action Output

#	Time	Action	Message	Duration / Fetch
120	18:21:31	SELECT ur.user_role_type, wu.user_email FROM we...	6 row(s) returned	0.016 sec / 0.000 sec

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

```
SELECT * FROM other
ORDER BY destination_id;
```

destination_id	destination_name	country	description	image_url	visit_date	trip_duration	rating
1	Paris	France	The City of Lights	NULL	2023-07-15	7	4.75
2	Tokyo	Japan	A bustling metropolis blending tradition and mod...	NULL	2024-05-22	10	5.00
3	Sydney	Australia	Home of the iconic Sydney Opera House	NULL	2022-10-15	5	4.00
4	Seoul	Korea	A great fusion of ancient culture and K-Pop era	NULL	2024-08-22	5	5.00
5	New York	USA	The city that never sleeps	NULL	NULL	6	4.00
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

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

```
        web_user.web_user_id,
        web_user.user_email,
        web_user.birthday,
        web_user.user_role_id,
        other.destination_id,
        other.destination_name
    FROM
        web_user
    LEFT JOIN
        other ON web_user.web_user_id = other.web_user_id
    ORDER BY
        web_user.web_user_id ASC;
```

web_user_id	user_email	birthday	user_role_id	destination_id	destination_name
1	tur08@temple.edu	2000-09-03	2	1	Paris
2	jack@gamil.com	1995-03-25	1	2	Tokyo
3	nancy@hotmail.com	NULL	2	4	Seoul
4	nick@yahoo.com	1992-07-02	2	3	Sydney
5	andrew@hotmail	NULL	1	5	New York
6	lawrence@gmail.com	1988-06-09	3	6	Mumbai

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

```sql
SELECT
    wu.web_user_id,
    o.destination_name
FROM
    web_user wu
JOIN
    other o ON wu.web_user_id = o.web_user_id
ORDER BY
    wu.web_user_id;
```

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

web_user_id	destination_name
1	Paris
2	Tokyo
3	Seoul
4	Sydney
5	New York
6	Mumbai