1. STUDENT NAME: Steve Tolvaj

2. **URL to STUDENT WEB SITE:** [**http://cis-linux2.temple.edu:8080/FA22\_3308\_tuo21314/index.html**](http://cis-linux2.temple.edu:8080/FA22_3308_tuo21314/index.html)

**3. user\_role TABLE DESIGN:**

Graphical user interface, text

Description automatically generated

**4. web\_user TABLE DESIGN and FOREIGN KEY:**

Graphical user interface, text

Description automatically generated

Graphical user interface, text, application, email

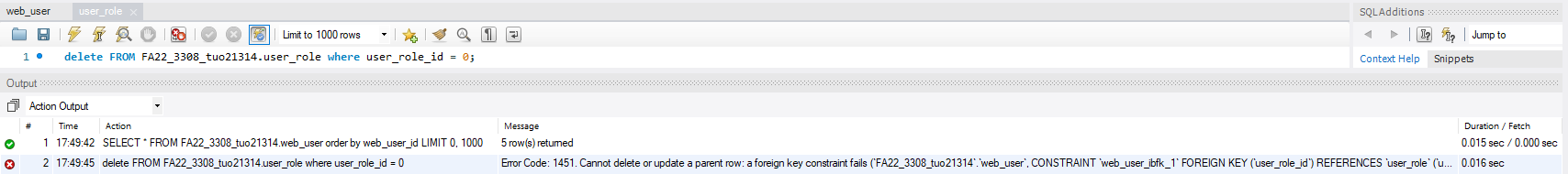
Description automatically generated

1. 5. **“OTHER” TABLE DESIGN and FOREIGN KEY :** Used for web users logging what plants they have identified.
   1. Graphical user interface, text, application, email

      Description automatically generated
   2. Graphical user interface, text, application, email

      Description automatically generated
   3. **6. DATA ENTRY ERRORS a) Error: Duplicate user\_role PK:**
   4. Text

      Description automatically generated
   5. **b) Error: Invalid user\_role FK in web\_user record** 
      * + 1. Text, letter

             Description automatically generated
   6. **c) Error: Cannot delete a user\_role record that’s referenced by a web \_user record**
   7. 
   8. **d) Invalid web\_user FK in “other” record**

Graphical user interface, text, application, email

Description automatically generated

* 1. **e) Error trying to delete a web\_user record that’s referenced by an “other” record**

A picture containing background pattern

Description automatically generated

* 1. **7. SELECT STATEMENTS**
  2. **a) USER\_ROLE:** all rows, all columns, **sorted by user\_role\_id.**
  3. Graphical user interface, text, application

     Description automatically generated
  4. **b) WEB\_USER: all rows, all columns, sorted by web\_user\_id.**
  5. Graphical user interface, application

     Description automatically generated
  6. c) **WEB\_USER JOINED WITH USER\_ROLE: all rows, certain** columns, sorted.

Graphical user interface, text, application

Description automatically generated

* 1. **f) “OTHER”: all rows, all columns, sorted by the id of your “other” table.**
  2. Graphical user interface

     Description automatically generated with low confidence
  3. **g) “OTHER” JOINED WITH WEB\_USER all rows, certain columns, sorted.**
  4. Graphical user interface, text, application, email

     Description automatically generated
  5. **h) “OTHER” JOINED WITH WEB\_USER some rows, certain columns, sorted.**
  6. Graphical user interface, text, application, email

     Description automatically generated