Dish:

1. Check if ID is unique and has no null value

   ```
   select * from dish
   where id is null;
   ```

   Return 0 records;

   ```
   select id,count(id) from dish
   group by id
   having count(id) > 1;
   ```

   Return 0 records.

2. First_appeared should be smaller than last_appeared.

   ```
   select * from dish
   where first_appeared > last_appeared;
   ```

   Returned 0 records.

3. Lowest_price should be smaller than the highest price.

   ```
   select * from dish
   where lowest_price > highest_price;
   ```

   Return 0 records.

Menu:

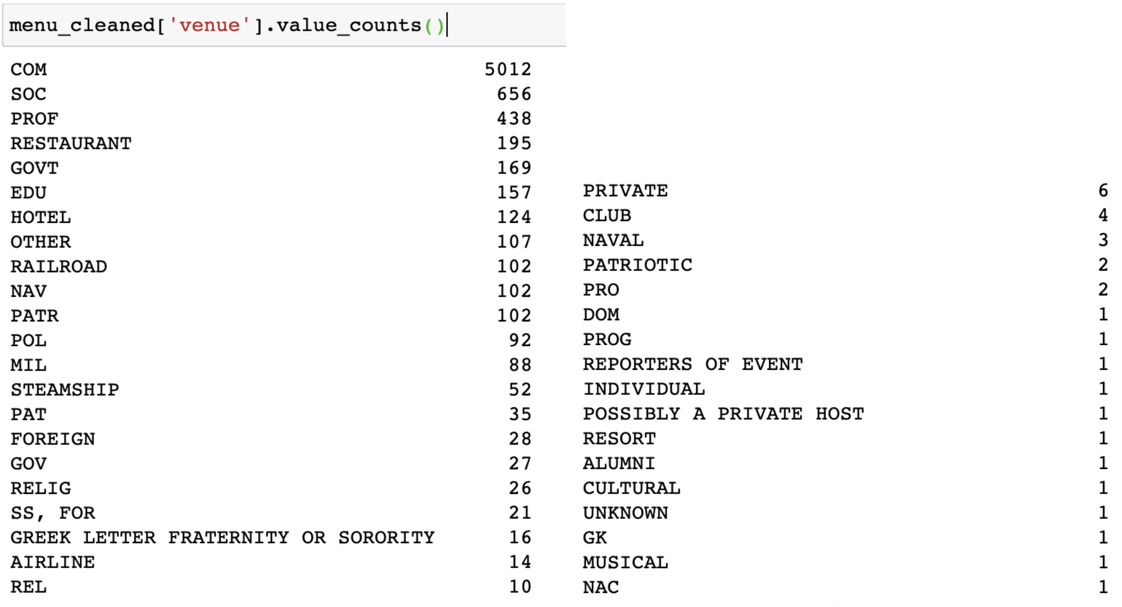
1. Check if ID is unique and has no null value

   ```
   select * from menu
   where id is null;
   ```

   ```
   select id,count(id) from menu
   group by id
   having count(id) > 1;
   ```

   Both queries return 0 records.

2. Check venue field with a distinct select statement to see if there are any invalid values.



```
menu_cleaned['venue'].value_counts()
```

```
COM                                   5012
SOC                                    656
PROF                                   438
RESTAURANT                             195
GOVT                                   169
EDU                                    157
HOTEL                                  124
OTHER                                  107
RAILROAD                               102
NAV                                    102
PATR                                   102
POL                                     92
MIL                                     88
STEAMSHIP                               52
PAT                                     35
FOREIGN                                 28
GOV                                     27
RELIG                                   26
SS, FOR                                 21
GREEK LETTER FRATERNITY OR SORORITY     16
AIRLINE                                 14
REL                                     10
PRIVATE                                  6
CLUB                                     4
NAVAL                                    3
PATRIOTIC                                2
PRO                                      2
DOM                                      1
PROG                                     1
REPORTERS OF EVENT                       1
INDIVIDUAL                               1
POSSIBLY A PRIVATE HOST                  1
RESORT                                   1
ALUMNI                                   1
CULTURAL                                 1
UNKNOWN                                  1
GK                                       1
MUSICAL                                  1
NAC                                      1
```

Menuitem:

1. Check if ID is unique and has no null value
   select * from menuitem
   where id is null;

   select id,count(id) from menuitem
   group by id
   having count(id) > 1;

   Both queries return 0 records.

2. Check dish_id and menu_page_id is null since dish_id and menu_page_id is a foreign key.

   select * from menuitem
   where dish_id is null;

   select * from menuitem
   where menu_page_id is null;

   Both queries return 0 records.

MenuPage:

1. Check if ID is unique and has no null value
   select * from menuPage
   where id is null;

   select id,count(id) from menuPage
   group by id
   having count(id) > 1;

Both queries return 0 records.

2. Check menu_id is unique and has no null value

```
select * from menupage
where menu_id is null;
```

Returned 0 records.