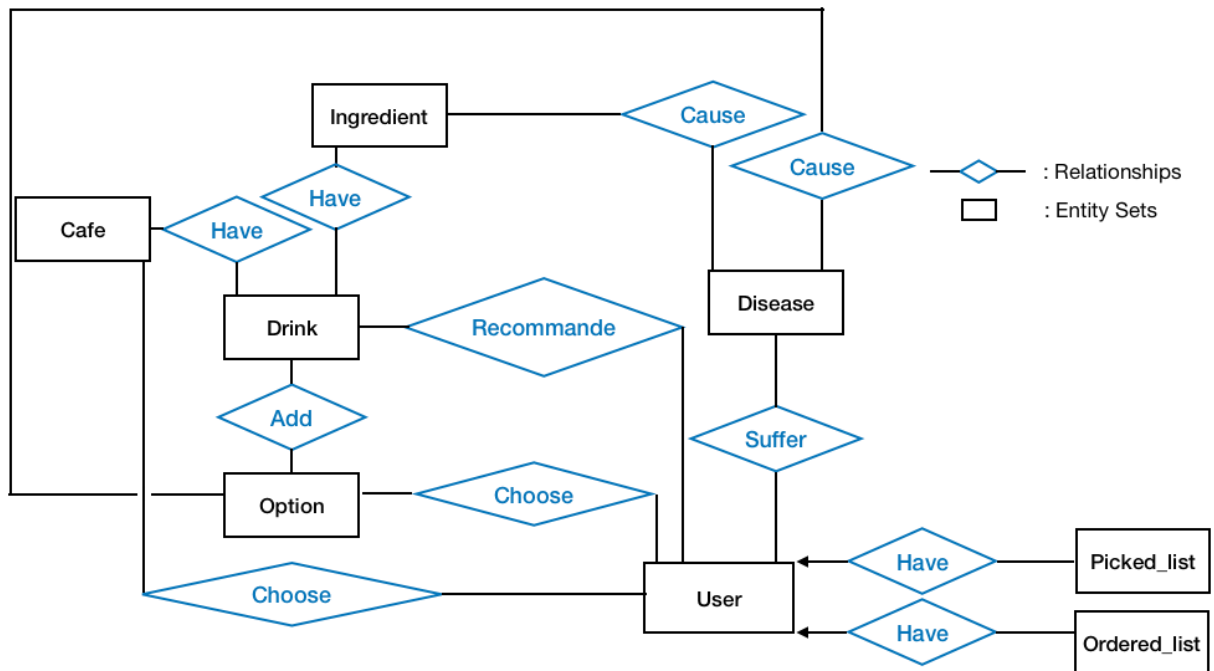


Customized Drink Recommendation

DB Schemas & ER Diagram

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I. E/R Diagram



II. Schema

1) cafe (cafe_id, cafe_name, location)

- This is a list of cafes.
 - cafe_id : id number of cafe
 - cafe_name : cafe name
 - location : location which a cafe is located in.
 - capacity : the maximum number of people a cafe can accommodate

2) causeList (Ingredient_name, disease_id)

- This is a list for indicating the relation between ingredient and disease.
 - Ingredient_name : ingredient name
 - disease_id : id number of disease

3) chooseIdView (choose_id)

- This is a newly created list of *choose_id* filtered by given drink_id from descOrderedListView.
 - choose_id : id number of choose

4) chooseList (choose_id, option1, option2, option3)

- This table has a list of possible combinations of options.
 - choose_id : id number of choose
 - option1 : firstly chosen option
 - option2 : secondly chosen option
 - option 3 : thirdly chosen option

5) descOrderedListView (user_id, drink_id, choose_id, count)

- This is a view by sorting 'OrderedList' by count in descending order.
 - user_id : id number of user
 - drink_id : id number of drink
 - choose_id : id number of choose
 - count : indicates how many times ordered

6) diseasetable (disease_id, disease_name)

- This is a list of the possible disease in this system.
 - disease_id : id number of disease

- disease_name : disease name

7) drink (drink_id, drink_name, price, temperature, size)

- This is a list of drink.
 - drink_id : id number of drink
 - drink_name : drink name
 - price : a price of drink
 - temperature : hot/ice
 - size : size of drink

8) drinkandcafe (cafe_id, drink_id)

- This is a list of what kind of cafe can sell what kind of drink.
 - cafe_id : id number of cafe
 - drink_id : id number of drink

9) ingredientListView (ingredient_name)

- This is a list of ingredient that is reconstructed by extracting only the ingredients of a particular drink from the 'recipe' table.
 - ingredient_name : ingredient name

10) ingredientslist (ingredient_name, season)

- This is a list of ingredients needed to make a drink.
 - ingredient_name : ingredient name
 - season : season : the season in which drink is made

11) myDisease (disease_id)

- This is a list of disease for a particular user.
 - disease_id : id number of disease

12) optionCauseList (option_name, disease_id)

- This is a list for indicating the relation between adding option and disease.
 - option_name : option name
 - disease_id : id number of disease

13) optionList (option_name)

- This is a list of option that user can add to his own drink.(different with ingredient).
 - option_name : name of each option

14) orderedList (user_id, drink_id, choose_id, count)

- This is a list of drink actually ordered.
 - user_id : id number of user
 - drink_id : id number of drink
 - choose_id : id number of chosen options
 - ordered_count : This indicates the number of times the user ordered.

15) pickedList (user_id, drink_id)

- This is a list of drink selected from the drink list recommended to the user.
 - user_id : id number of user
 - drink_id : id number of drink

16) recipe (drink_id, ingredient_name)

- This is a list of Recipe about what kind of drink needs what kind of ingredient.
 - drink_id : id number of drink
 - ingredient_name : id number of ingredient

17) sufferList (user_id, disease_id)

- This is a list of data about who suffers what kind of disease.
 - user_id : user id
 - disease_id : disease id

18) tempChooseListView (choose_id, option1, option2, option3)

- This is a list of combinations to recommend to user. (This view is temporarily created before applying user's disease filter.)
 - choose_id : id number of choose
 - option1 : firstly chosen option
 - option2 : secondly chosen option
 - option 3 : thirdly chosen option

19) userList (user_id, user_name, age, gender, passwd)

- This is a list of user who is customer of this system.
 - user_id : id number of user
 - user_name : user name
 - age : age of user

- gender : gender of user
- passwd : password of user's account