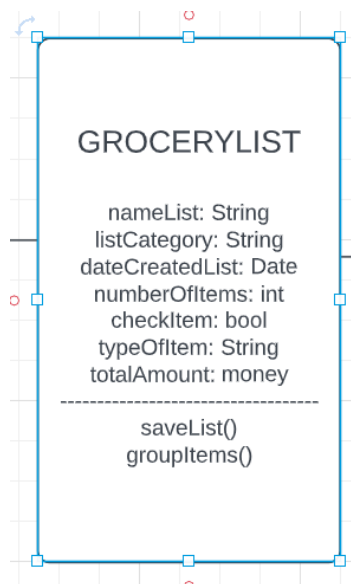


UML Grocery List Documentation

CLASSES

- **GROCERYLIST**
- **USER**
- **DATABASE**
- **ITEM & Types of Items**

GROCERY LIST



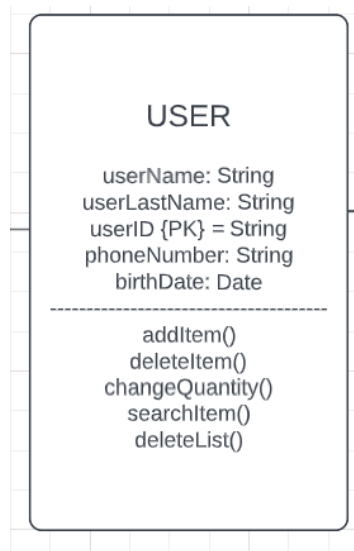
Attributes

- nameList: contains the name of the list.
- listCategory: stores if the list is either **weekly** or **monthly** (can save more options).
- dateCreatedList: date of creation of list.
- numberOfItems: stores how many items are in each list.
- checkItem: tells the user if the item has been bought or still pending.
- typeOfItem: tells the user which type of item is.
- totalAmount: the sum (money) of all the items listed.

Operations

- `saveList()`: is called when the list has been edited (either an item was removed, checked or added).
- `groupItems()`: sorts the items by its type (`typeOfItem`).

USER



Attributes

- `userName`: stores the name of the user.
- `userLastName`: stores the user's last name.
- `userID`: its primary key. Is its ID for the grocery store.
- `phoneNumber`: stores the contact number of the user.
- `birthDate`: user's birthdate.

Operations



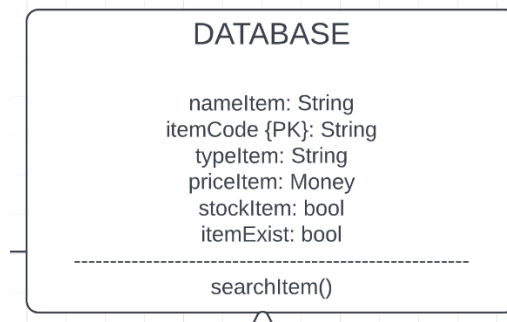
The following are made by the user but changes directly to the grocery list:

- addItem(): user can add an item to the GroceryList.
- deleteItem(): user can remove item from the GroceryList.
- changeQuantity(): change quantity of items in GroceryList.
- deleteList(): deletes a list at GroceryList.

The following changes/requests the database:

- searchItem(): searches the name of an item in the database.

DATABASE



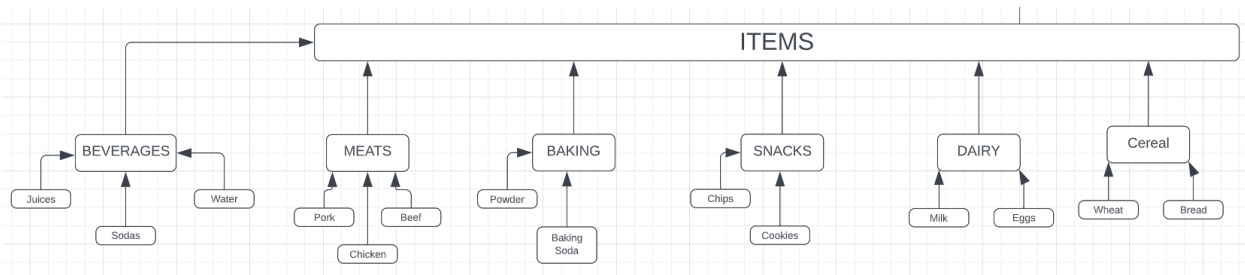
Attributes

- nameItem: name of item in the database.
- typeItem: type of item.
- itemCode: code of item in database.
- priceItem: price of the item.
- stockItem: tells if there is stock of the item searched.
- itemExists: tells if the item searched is available in the store.

Operations

- searchItem(): looks for the item to ITEMS.

ITEMS and its Levels



Items is the general class which holds two sublevels:

Level 1

Is the type of the item. An item can be either a beverage, a meat, baking material, snack, dairy or cereal.

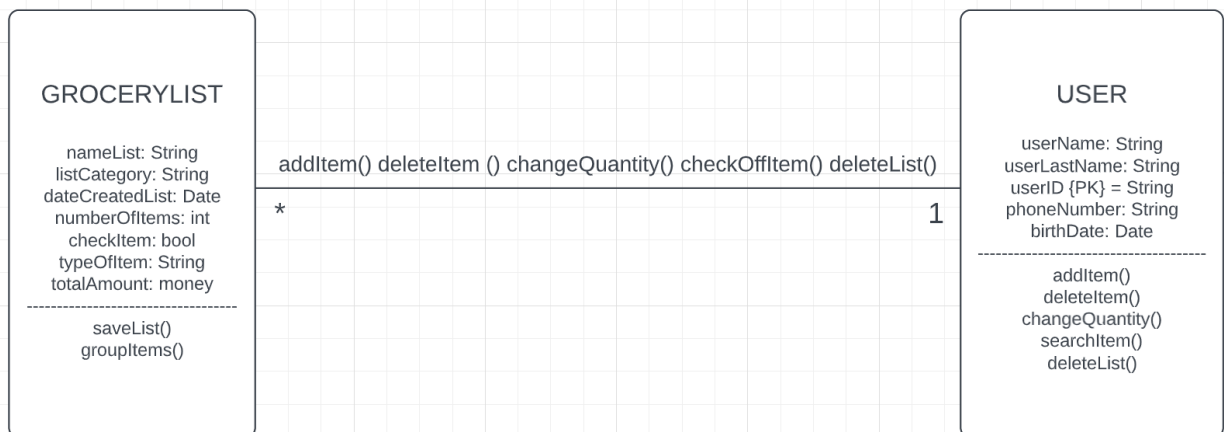
Level 2

Is the specific item. (e.g., a beverage can either be a juice, a soda or water).

RELATIONSHIPS

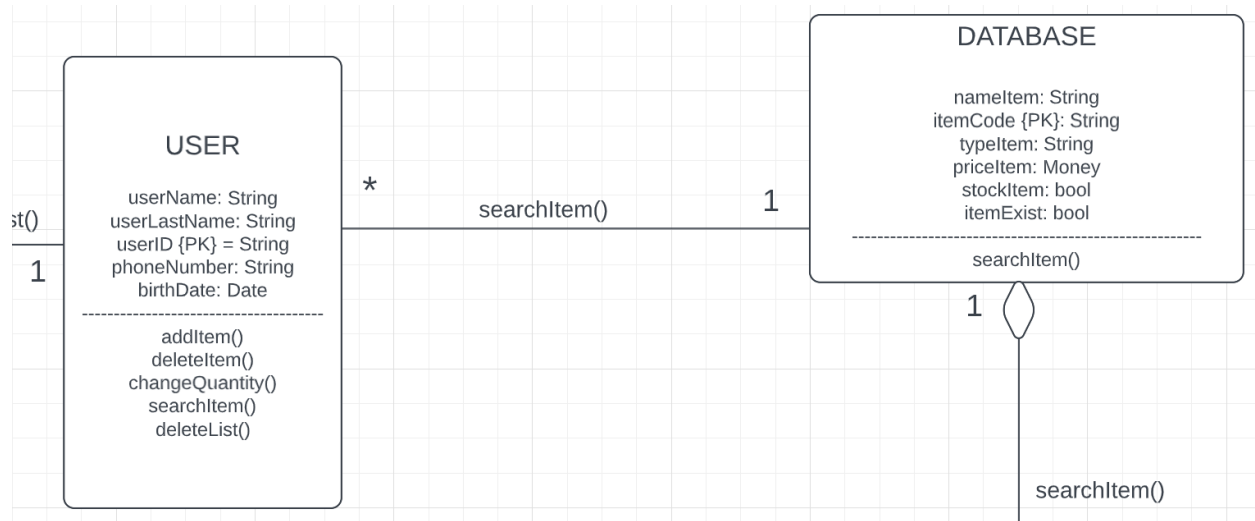
GROCERYLIST vs. USER

A user can have multiple lists but each grocery list belongs to a unique user.



USER vs. DATABASE

The database can have multiple users making queries, but there is just one database.



DATABASE vs. ITEMS

The database holds many items but the items just belong to one database.

