GroceryListManager

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User

+ lists: GroceryList[ ]

...

parent

child | 0 - N

GroceryList

+ list: Items[ ]
+ name: string

+ createList()
+ deleteList()
+ saveList()
+ selectList()
+ setListName(listName)
+ addItem(item)
+ deleteItem(item)
+ changeQuantity(item,newQuantity)
+ crossOffItem(item)
+ clearAllCheckMarks()

parent

child | 0 - N

Item

+ type: string
+ crossedOff: bool

+ crossOff()

Database

+ items: Items[ ]
+ lists: GroceryList[ ]
+ users: User[ ]

+ addNewItem(item)
+ searchItemName(name): Items[ ]
+ searchItemType(typeName): Items[ ]

Use

Use

Hierarchical List

+ list: Items[ ]

+ selectItem(item, quantity)
+ searchItemName(name): Items[ ]
+ searchItemType(typeName): Items[ ]