

DAO classes API

Version 1

For All DAO Classes' constructor put `getApplicationContext()` in the bracket

Class name: AccountDAO:

- `getAccount(String name)`
 - input: String – account name
 - output: Account object
- `getAccount(int id)`
 - input: int – account id
 - output: Account object
- `getAllAccount()`
 - Input: N/A
 - Output: `ArrayList<Account>`
 - Note: Contain all accounts in the database
- `addAccount(Account account)`
 - Input: Account object without ID
 - Output: Boolean result
 - ◆ If the operation success then return true
 - ◆ Else return false
- `updateAccount(Account account)`
 - input: account object(id != null)
 - output: Boolean result(success ->true, fail ->false)
- `removeAccount(int id)`
 - input: int number(account id)
 - output: Boolean result(success ->true, fail ->false)

Class name: AccountTypeDAO

Note: Currently, this class does not support modification of the content of this table.

- getAllType()
 - input: N/A
 - output: List<String>
 - ◆ contains all account types

Class name: AutoDescDAO

addAutoDesc (Transaction transaction)

input: transaction object (id property is not necessary)

output: Boolean value (success — true, fail — false)

getAutoDesc()

input: N/A

output: ArrayList<Transaction>

contains all pre-authorized payments

removeAutoDesc(int id)

input: int — pre-authorized payment id

output: Boolean value (success — true, fail — false)

modifyAutoDesc(Transaction transaction)

input: Transaction object (transaction.id != null)

output: Boolean value (success — true, fail — false)

Class name: PurchaseTypeDAO

getalltypes()

input:N/A

output: List<String>

contains all purchase types as string

addType(String type)

input: String — type name

output: Boolean value (success — true, fail — false)

removeType(String type)

input: String – type name

output: Boolean value (success — true, fail — false)

Class name: TransactionDAO

getAllTransaction()

input:N/A

output:List<Transaction> contain all transactions

Note: the output may contains too many Transactions. Try to avoid use this method

addTrans(Transaction transaction)

input: Transaction object (id can equal null)

output: Boolean value (success — true, fail — false)

modifyTrans(Transaction transaction)

input: Transaction object(id != null)

output: Boolean value (success — true, fail — false)

removeTrans(int id)

input: int – transaction id

output: Boolean value (success — true, fail — false)