DAO classes API
Version 2

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

Class name: AccountDAO:
   Account getAccount(String name)
      input: String – account name
      output: Account object
   Account getAccount(int id)
      input: int – account id
       output: Account object
   ArrayList<Account> getAllAccount()
      Input: N/A
      Output: ArrayList<Account>
      Note: Contain all accounts in the database
   boolean addAccount(Account account)
      Input: Account object without ID
      Output: Boolean result
         If the operation success then return true
         Else return false
   boolean updateAccount(Account account)
      input: account object(id != null)
      output: Boolean result(success –>true, fail –>false)
   boolean 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.
   ArrayList<String> getAllType()
      input: N/A
      output: List<String>
        contains all account types

Class name: AutoDescDAO
      boolean addAutoDesc (Transaction transaction)
         input: transaction object (id property is not necessary)
         output: Boolean value (success —— true, fail —— false)

      ArrayList<Transaction> getAutoDesc()
         input: N/A
         output: ArrayList<Transaction>
           contains all pre-authorized payments

      boolean removeAutoDesc(**int** id)
         input: int —— pre-authorized payment id
         output: Boolean value (success —— true, fail —— false)

      boolean modifyAutoDesc(Transaction transaction)
         input: Transaction object (transaction.id != null)
         output: Boolean value (success —— true, fail —— false)

  Class name :IncomeTypeDAO
      boolean addType(String type)
         input: type name as string
         output: Boolean value (success —— true, fail —— false)

      ArrayList<String> getAllTypes()
         input: N/A
         output: ArrayList contains all types name as string

      boolean removeTypes(String name)
         input: type name as string

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

Class name: PurchaseTypeDAO

ArrayList<String> getalltypes()

input:N/A

output: ArrayList<String>

contains all purchase types as string

boolean addType(String type)

input: String — type name

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

boolean removeType(String type)

input: String — type name

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

Class name: TransactionDAO

ArrayList<String> getAllTransaction()

input:N/A

output: ArrayList<Transaction> contain all transactions

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

ArrayList<Transaction> getTopTrans(int num)

Note: this method will return the Transactions from the most

recent record to the past or reach the maximum

capacity specified in parameter

input: maximum size as int

output: ArrayList<Transaction> contain transactions

ArrayList<Transaction> getAllTransThisMonth(int year, int month)

Note: this method will return the all Transactions in the

specified year and month

input: year and month as int

output: ArrayList<Transaction> contain transactions

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ArrayList<Transaction> getOneDayTrans(int year, int month, int day)

        Note: this method will return Transactions recorded in

        specified date

        input: year month day as int

        output: ArrayList<Transaction> contain transactions

boolean addTrans(Transaction transaction)

        input: Transaction object (id can equal null)

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

boolean modifyTrans(Transaction transaction)

        input: Transaction object(id != null)

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

boolean removeTrans(int id)

        input: int — transaction id

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