**Project Report**

**Application Program Interfaces:**

**Information Processing:**

addStaffInfo(Staff ID, Store ID, Name, Age, PhoneNumber, Title, TimeOfEmp, Email, Address)

return confirmation

updateStaffInfo(Staff ID, Store ID, Name, Age, PhoneNumber, Title, TimeOfEmp, Email, Address)

Return confirmation

If NULL for any fields, then those fields wont be updated

deleteStaffInfo(Staff ID)

Return confirmation

addStoreInfo(Staff ID, Store ID, Name, Age, PhoneNumber, Title, TimeOfEmp, Email, Address)

return confirmation

updateStoreInfo(Staff ID, Store ID, Name, Age, PhoneNumber, Title, TimeOfEmp, Email, Address)

Return confirmation

If NULL for any fields, then those fields wont be updated

deleteStoreInfo(Staff ID)

Return confirmation

addCustomerInfo(Cust ID, Staff ID, Store ID, Sign up date)

Return confirmation

updateCustomerInfo(Cust ID, Staff ID, Store ID, Sign up date)

Return confirmation

If NULL for any fields, then those fields wont be updated

deleteCustomerInfo(Cust ID)

Return confirmation

addSupplierInfo(supplier id, supplier name, phone, email address, location)

Return confirmation

updateSupplierInfo(supplier id, supplier name, phone, email address, location)

Return confirmation

If NULL for any fields, then those fields wont be updated

deleteSupplierInfo(supplier id, supplier name, phone, email address, location)

Return confirmation

giveMemberships(Cust ID, Store ID, Sign up date, Staff ID)

Return Confirmation

cancelMemberships(Cust ID, Store ID, Staff ID, Sign up date)

Return Confirmation

setMembershipStatus(Cust ID, Store ID, Staff ID, Sign up date)

Return confirmation

getMembershipStatus(Cust ID, Store ID, Staff ID, Sign up date)

Return confirmation

**Maintaining Inventory office:**

createInventory(Product ID, Product Name, Supplier ID, Quantity in stock, buy price, market price, production data, expiration date)

Return confirmation

updateInventory(Product ID, Product Name, Supplier ID, Quantity in stock, buy price, market price, production data, expiration date)

Return confirmation

getProductInfo(Product ID, Product Name, Supplier ID, Quantity in stock, buy price, market price, production data, expiration date)

Return list of products

manageTransfer()

**Maintaining Billing office:**

generateBills(supplier id, supplier name, phone, email address, location)

Return generated bill

generateReports(supplier id, supplier name, phone, email address, location)

Return generated report details

checkMembershipStatus(Cust ID, Store ID, Staff ID, Sign up date)

Return membership status

addReward(discount info, valid dates for sale, Cust ID)

apply discount

checkSale(transaction ID, store id, customer id, cashier id, purchase date, product list, total price)

return confirmation

**Reports:**

getCustomerInfoReport(Cust ID, Staff ID, Store ID, Sign up date)

return report of customer records

getStaffInfoReport(Staff ID, Store ID, Name, Age, PhoneNumber, Title, TimeOfEmp, Email, Address)

return report of staff records