List (Template Class T)

- head: T*

+ Initialize(inFile: ifstream)
+ AddElement(element: T)
+ DeleteElement(searchKey: T)
+ SortList()
+ PrintList()

Guest

<no attributes>

+ Help() - virual
+ RequestPamphlet()

Admin

<no attributes>

+ Help() - virual
+ ChangeCustomerInfo()
+ CustomerSearch(name: string)
+ AddCustomer()
+ DeleteCustomer()
+ SaveChanges()
+ PrintMenu() - virtual
+ PrintCustomers()
+ PrintCustomers(key: string)

CustomerInfo

- name   : string
- addressOne : string
- addressTwo : string
- interestLevel: Interest
- desirability   : Desirable
- received   : bool
- next: : Customer*

+ operater=(aCustomer: CustomerInfo)
+ ReadFromFile(inFile: ifstream)
+ SetName(aName: string)
+ SetAddressOne(firstAddress: string)
+ SetAddressTwo(secondAddress: string)
+ SetInterestLevel(interest: Interest)
+ SetDesirability(desirable: Desirable)
+ SetReceived(receive: bool)
+ SetNext(ptr: Customer*)
+ GetName(): string
+ GetAddressOne(): string
+ GetAddressTwo(): string
+ GetInterestLevel(): Interest
+ GetDesirability(): Desirable
+ GetReceived(): bool
+ GetNext():   Customer*
+ PrintList()

Text

Pamphlet

- customers: CustomerList
- robot: Robot

+ Help()   - virtual
+ PrintMenu() - virtual
+ PrintRobotInfo()
+ PrintRobotOptions()
+ PrintRobotMaintenance()
+ PrintRobotPolicy()
+ PrintTestimonials()
+ PrintContacts()
+ SignOut(): bool

Customer

<no attributes>

+ Help() - virual
+ BuyRobot()
+ PrintMenu() - virtual

Desirable

KEY
NICE

Interest

VERY
SOMEWHAT
NO
NEVERCALL

Login

- loginInfo: LoginInfo
- adminInfo: LoginInfo
- customerInfo: vector<LoginInfo>

- Save(outputFile: string)
+ Login(): User
+ NewAccount()
+ DeleteAccount(username: string)

Robot

- salesPitch: string
- environments: string
- operations: string
- options: string
- maintenance: string
- policy: string

+ ReadFile(inFile: ifstream)
+ GetSalesPitch(): string
+ GetEnvironments(): string
+ GetOperations(): string
+ GetOptions(): string
+ GetMaintenance(): string
+ GetPolicy(): string

LoginInfo

userName: string
password: string

User

ADMIN
CUSTOMER
GUEST

iRobots Class Diagram