

## Client

Sequence Diagram	Method(s) to add	Description
Add Client	constructor	Parameters are name, address, phone number; this will generate the ID and Wishlist
Issue Products	issueProduct()	Stores a reference to the given Product object inside the Wishlist for the Client; records the transaction
Remove Products	removeProduct()	Removes a reference to the given Product object inside the Wishlist for the Client; records the transaction
Get Transactions	getTransactions()	Returns a list of all the transactions of the Client.
Get Wishlist Items	getWishlist()	Returns a list of all the Products in a Wishlist.
Get Orders	getOrders()	Returns a list of all completed Orders made by the Client.

Client
<ul style="list-style-type: none"> <li>- name: String</li> <li>- address: String</li> <li>- phone: String</li> <li>- transactions: List</li> <li>- myWishlist: Wishlist</li> <li>- myOrders: Orders</li> </ul>
+Client (name: String, address: String, phone: String): Client +issueProduct (product: Product): Boolean +removeProduct (product: Product): Boolean +getID(): String +getName(): String +getAddress(): String +getPhone(): String +setID(): String +setName(): String +setAddress(): String +setPhone(): String +getTransactions(): Iterator +getWishlist(): Iterator +getOrders(): Iterator

## ClientList

Sequence Diagram	Method(s) to add	Description
Create List	constructor	No parameters; generates the list
Add Clients	insertClient()	Stores the Client and their details to the end of the list.
Get Clients	getClients()	Return a list of all Clients within the system (one per line, and all details displayed).

ClientList
- clients: List
+search (clientID: String): Client +insertClient (client: Client): Boolean +getClients(): Iterator