****Customer****

****Attributes:****

****- name: string****

****- email: string****

****- address: string****

****- creditCardDetails: string****

****Operations:****

****+ createAccount(): void****

****+ specifyStorageRequest(numberOfBoxes: int, sizes: List<string>, ownBoxes: boolean): void****

****+ arrangeCollectionReturn(type: string, finalReturn: boolean): void****

****+ settleBill(): void****

****+ receiveSpecialOffer(offerCode: string): void****

****StorageBox****

****Attributes:****

****- size: string****

****- uniqueID: string****

****- status: string****

****- warehouse: Warehouse****

****- shelf: string****

****Operations:****

****+ trackStatus(): void****

****+ assignToClient(client: Customer): void****

****StorageDeal****

****Attributes:****

****- monthlyBill: double****

****- storageRates: Map<string, double>****

****- purchasedBoxes: List<StorageBox>****

****- collectionsReturns: List<string>****

****Operations:****

****+ calculateMonthlyBill(): double****

****Payment****

****Attributes:****

****- paymentMethod: string****

****Operations:****

****+ verifyPaymentDetails(): boolean****

****CustomerSalesRepresentative****

****Attributes:****

****- customerProfiles: Map<Customer, int>****

****Operations:****

****+ profileCustomers(): void****

****+ createSpecialOffer(monthsStored: int): string****

****Warehouse****

****Attributes:****

****- name: string****

****- location: string****

****Operations:****

****+ addBoxToShelf(box: StorageBox, shelf: string): void****

****+ getBoxLocation(box: StorageBox): string  
  
  
  
RELATIONSHIP:****

* ****Customer**** to ****StorageDeal****: 1 to 1
* ****Customer**** to ****Payment****: 1 to 1
* ****Customer**** to ****SpecialOffers****: 1 to many
* ****CustomerSalesRepresentative**** to ****Customer****: 1 to many
* ****StorageDeal**** to ****StorageBox****: 1 to many
* ****StorageBox**** to ****Customer****: 1 to 1
* ****StorageBox**** to ****Warehouse****: 1 to 1