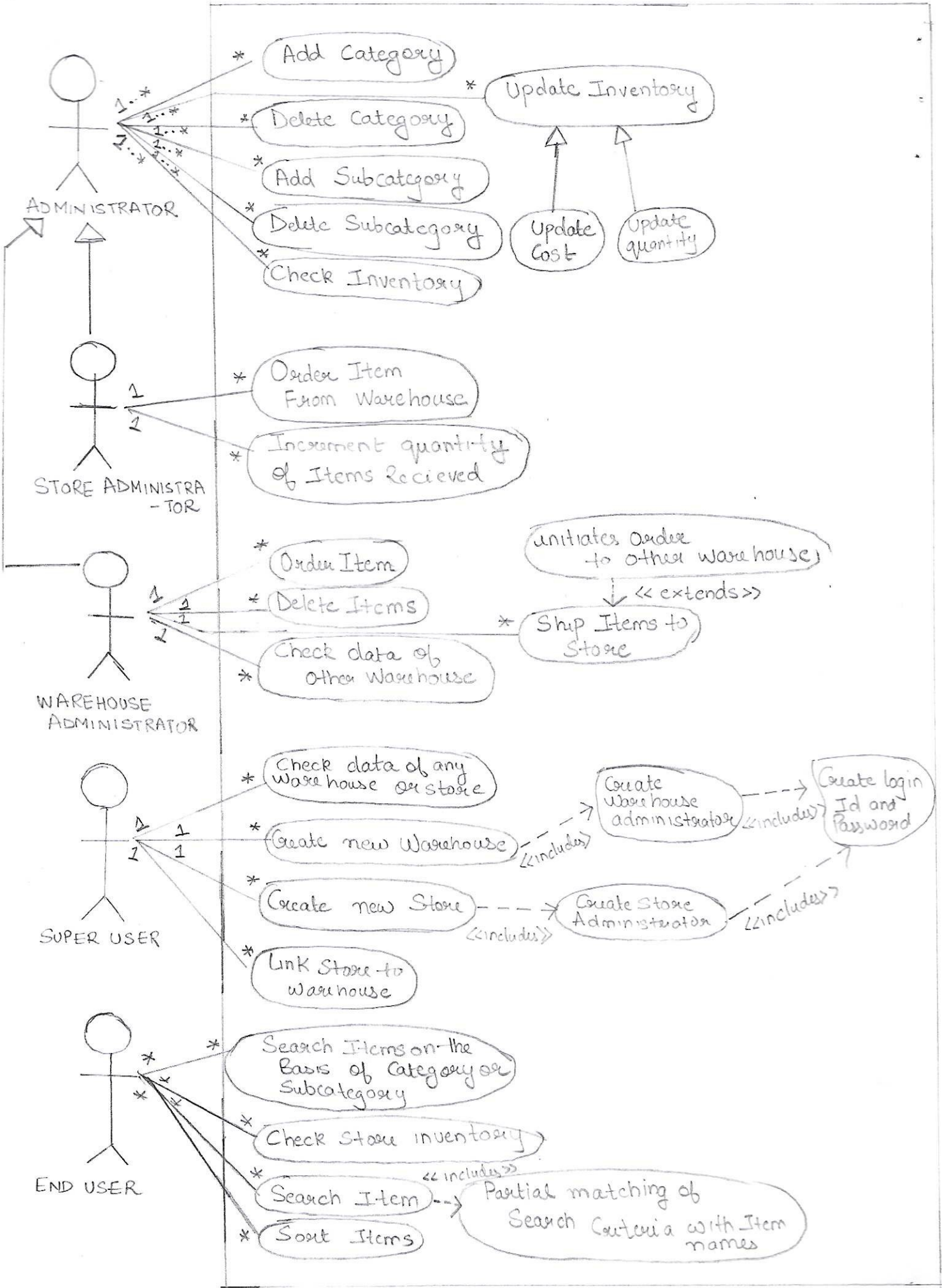
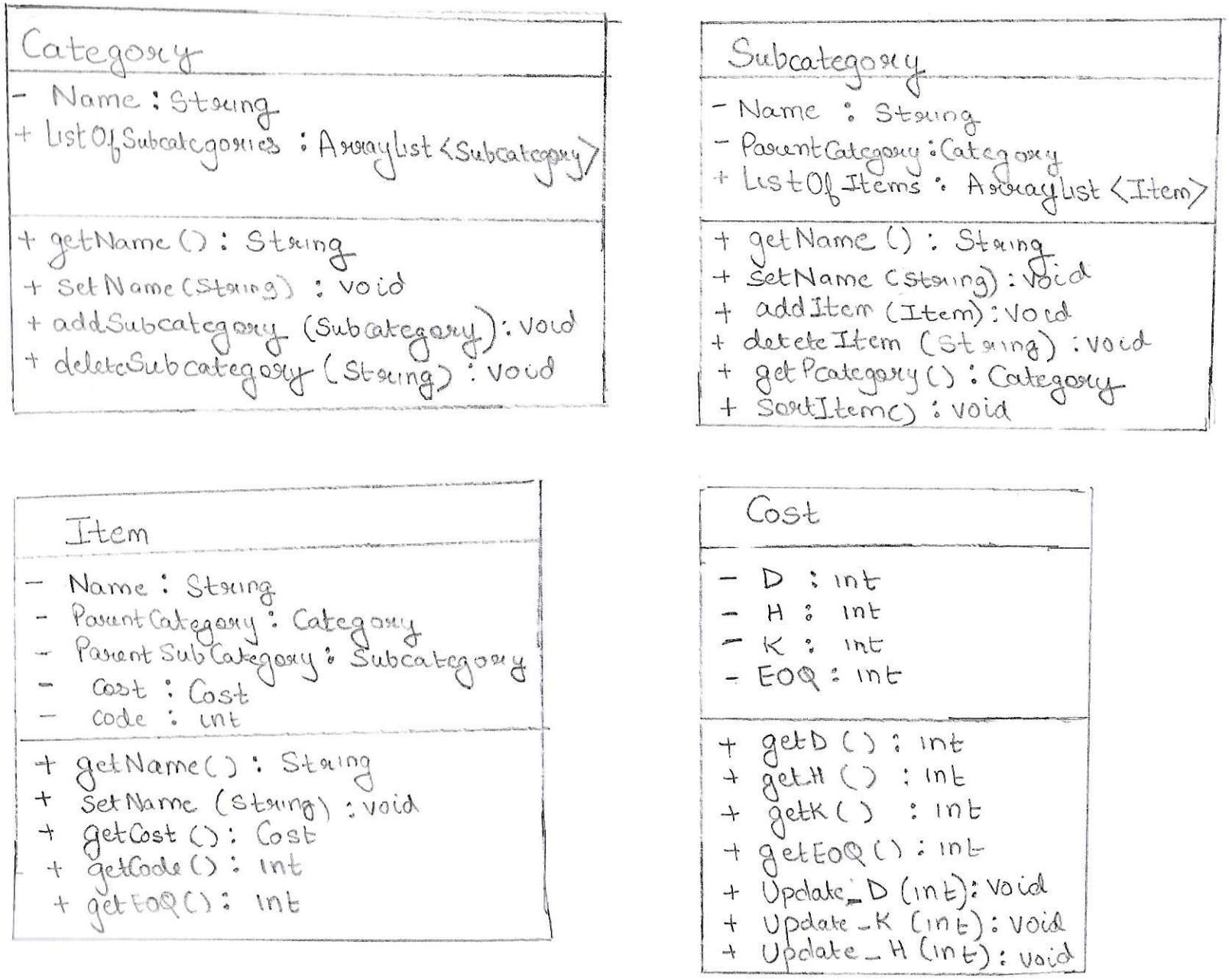
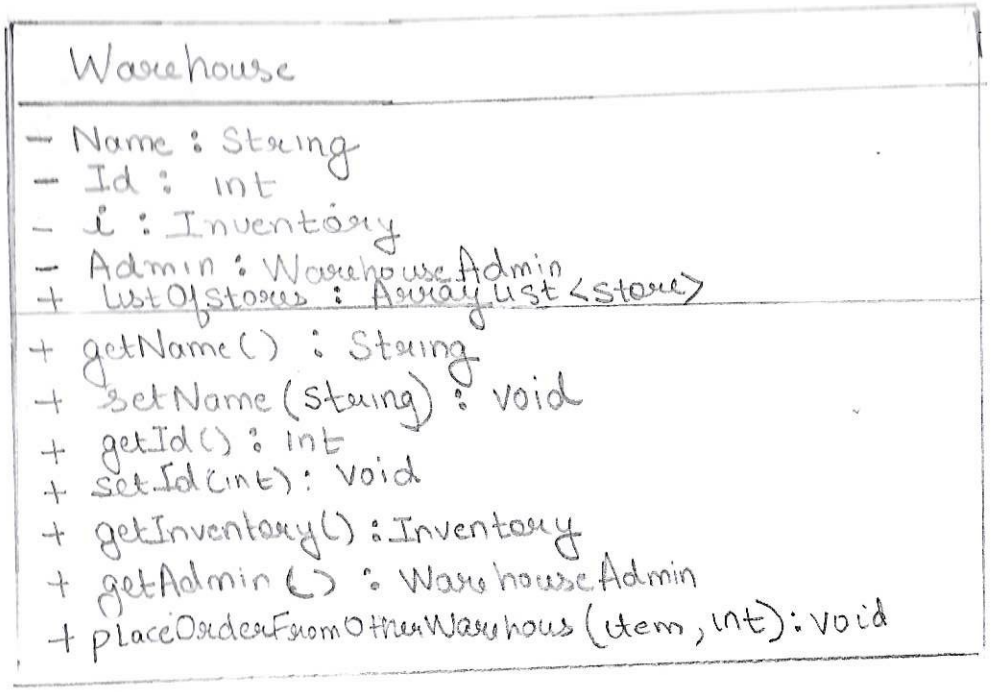
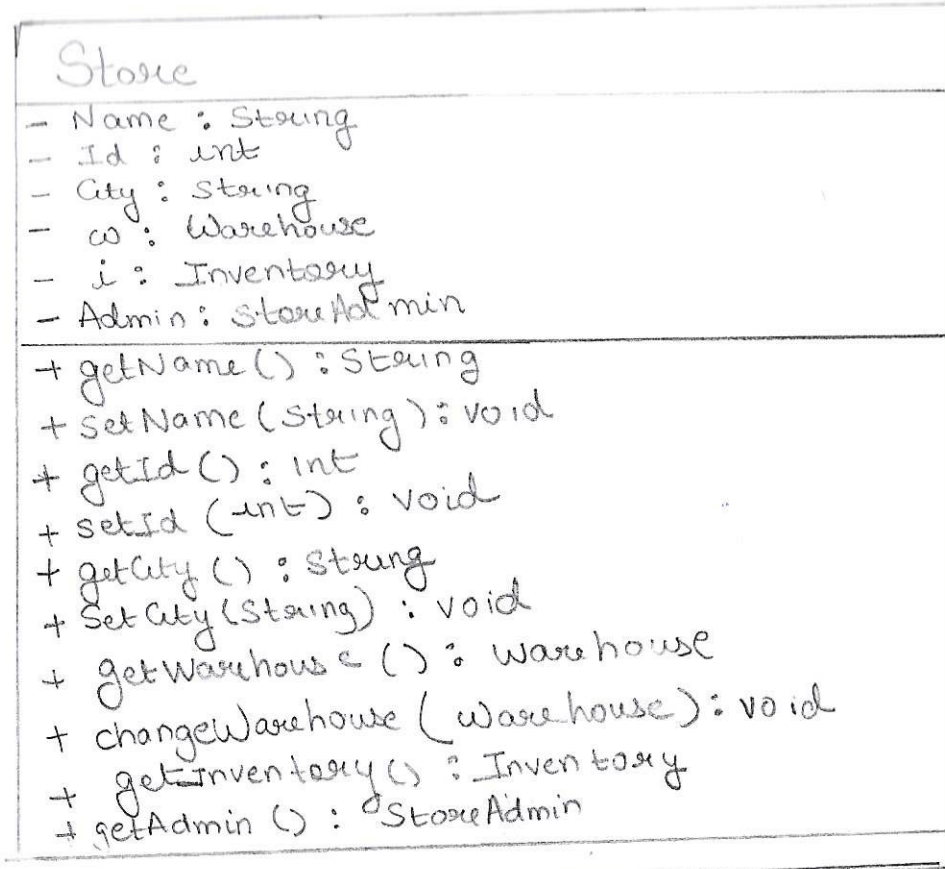
USE CASE DIAGRAM

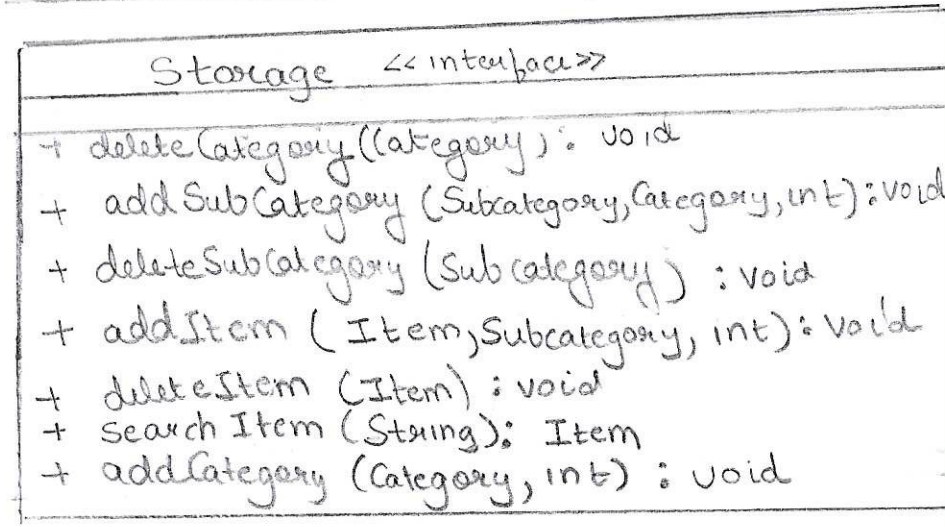


CLASS DIAGRAM




Warehouse
- Name : String
- Id : int
- i : Inventory
- Admin : WarehouseAdmin
+ ListOfStores : ArrayList<store>
+ getName() : String
+ setName(String) : void
+ getId() : int
+ setId(int) : void
+ getInventory() : Inventory
+ getAdmin() : WarehouseAdmin
+ placeOrderFromOtherWarehous(item, int) : void


Store
- Name : String
- Id : int
- City : String
- w : Warehouse
- i : Inventory
- Admin : StoreAdmin
+ getName() : String
+ setName(String) : void
+ getId() : int
+ setId(int) : void
+ getCity() : String
+ setCity(String) : void
+ getWarehouse() : Warehouse
+ changeWarehouse(Warehouse) : void
+ getInventory() : Inventory
+ getAdmin() : StoreAdmin


Storage <<interface>>
+ deleteCategory(Category) : void
+ addSubCategory(Subcategory, Category, int) : void
+ deleteSubCategory(Subcategory) : void
+ addItem(Item, Subcategory, int) : void
+ deleteItem(Item) : void
+ searchItem(String) : Item
+ addCategory(Category, int) : void

Inventory

+ AllItems : Hashmap <item, int>
+ AllCategories : Arraylist <Category>

+ UpdateCost (item, int) : void
+ SortItems () : Arraylist <Item>
+ deleteItem (Item) : void
+ SearchItem (Item) : Void
+ deleteCategory (Category) : void
+ SearchCategory (Category) : Arraylist<Item>
+ SearchSubcategory (Subcategory, Category) : Arraylist <Item>
+ UpdateQuantity (item, int) : void

WarehouseAdmin

- w : Warehouse

+ getWarehouse () : Warehouse
+ changeWarehouse (Warehouse) : void
+ placeOrderToOtherWarehouse (item) : void
+ checkOtherWarehouse (Warehouse) : Inventory

SuperStore

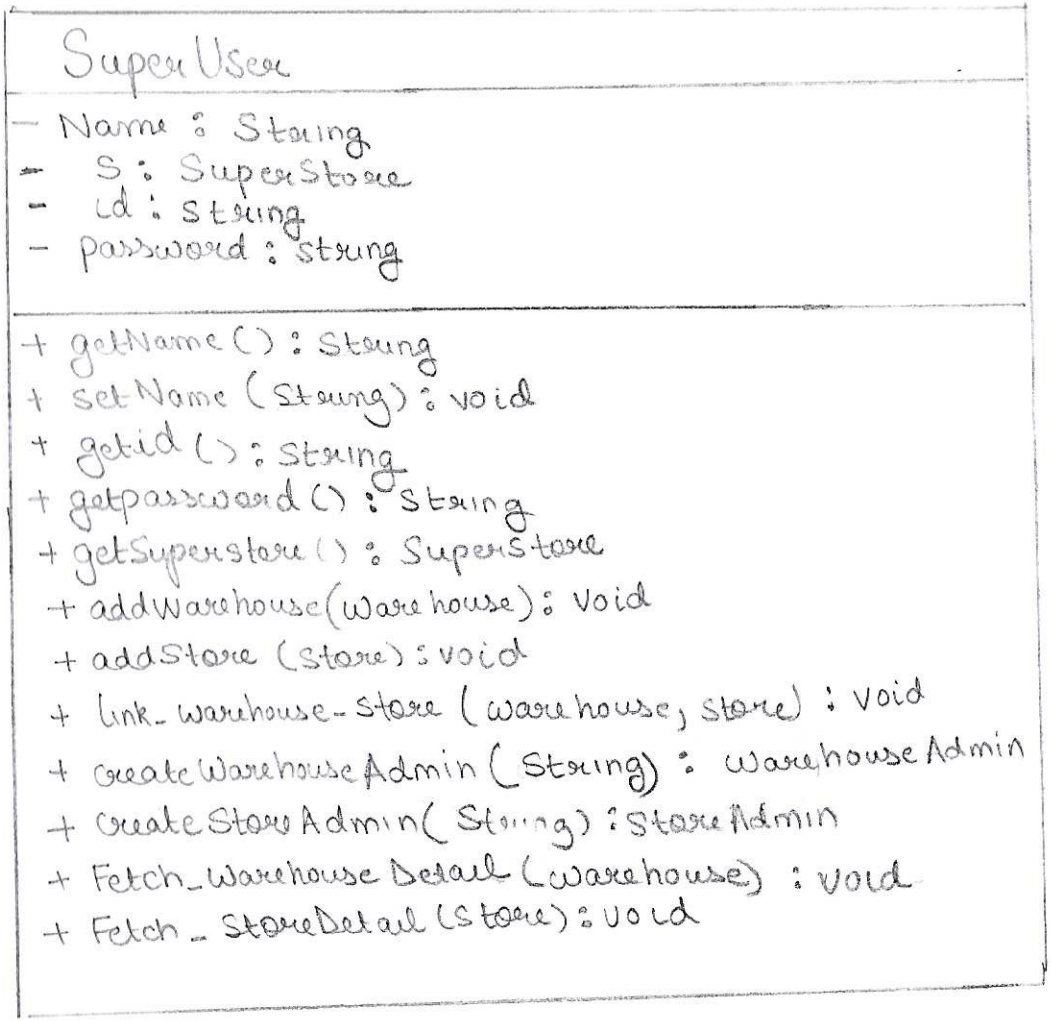
+ AllWarehouses : Arraylist <Warehouse>
+ AllStores : Arraylist <Store>
+ AllWarehouseAdmins : Arraylist <WarehouseAdmin>
+ AllStoreAdmins : Arraylist <StoreAdmin>

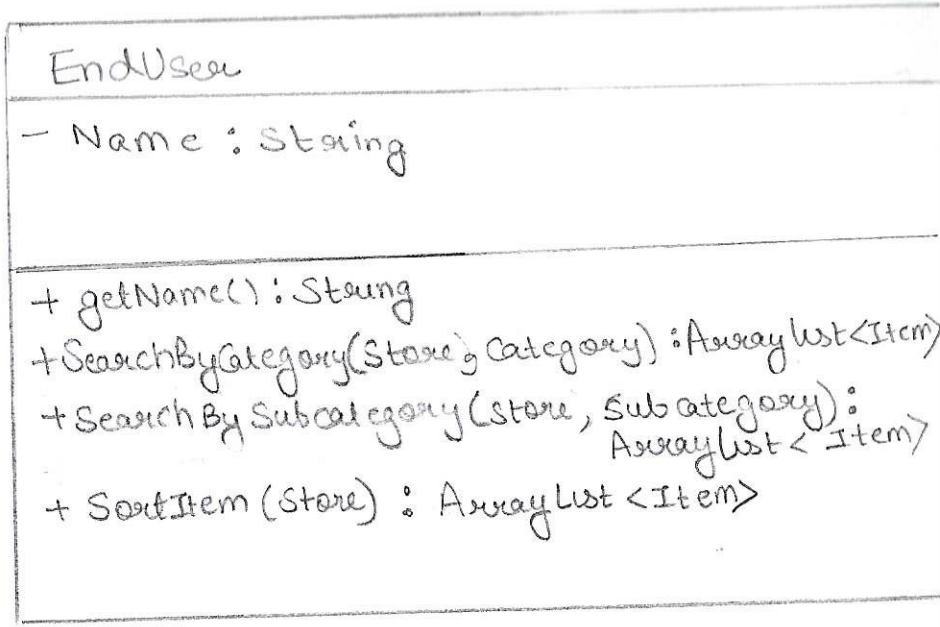
+ addWarehouse (Warehouse) : void
+ addStore (Store) : void

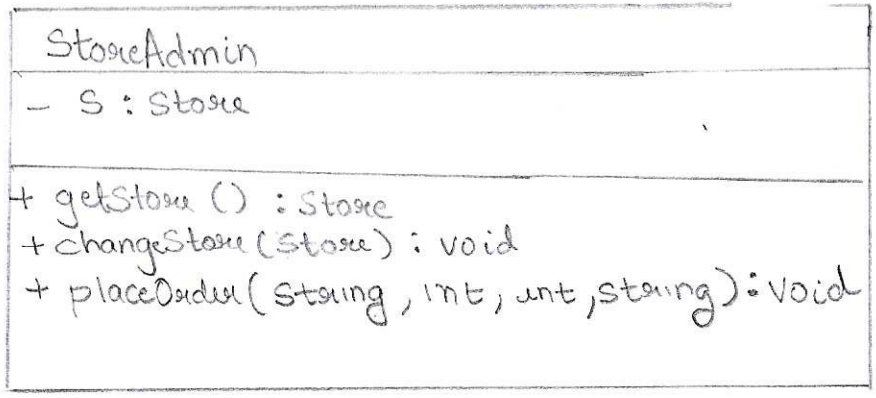
Admin {Abstract}

- login-id : String
- password : String

+ getlogin_id () : String
+ getpassword () : String
+ check-inventory () : Inventory
+ update_inventory (int) : void


SuperUser
- Name : String
- S : SuperStore
- id : String
- password : String
+ getName() : String
+ setName (String) : void
+ getid () : String
+ getpassword () : String
+ getSuperstore () : SuperStore
+ addWarehouse(Warehouse) : void
+ addStore (Store) : void
+ link_warehouse-store (warehouse, store) : void
+ createWarehouseAdmin (String) : WarehouseAdmin
+ createStoreAdmin(String) : StoreAdmin
+ Fetch_Warehouse Detail (warehouse) : void
+ Fetch_StoreDetail (Store) : void


EndUser
- Name : String
+ getName() : String
+ SearchByCategory(Store, Category) : ArrayList<Item>
+ SearchBySubcategory(store, Subcategory) : ArrayList<Item>
+ SortItem (Store) : ArrayList <Item>


StoreAdmin
- S : Store
+ getStore () : Store
+ changeStore (Store) : void
+ placeOrder (String, int, int, String) : void

CLASS RELATIONSHIP