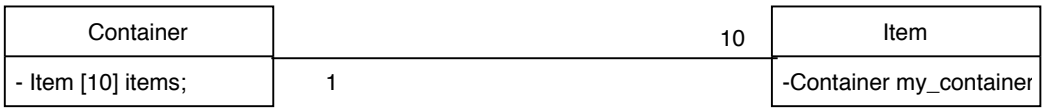
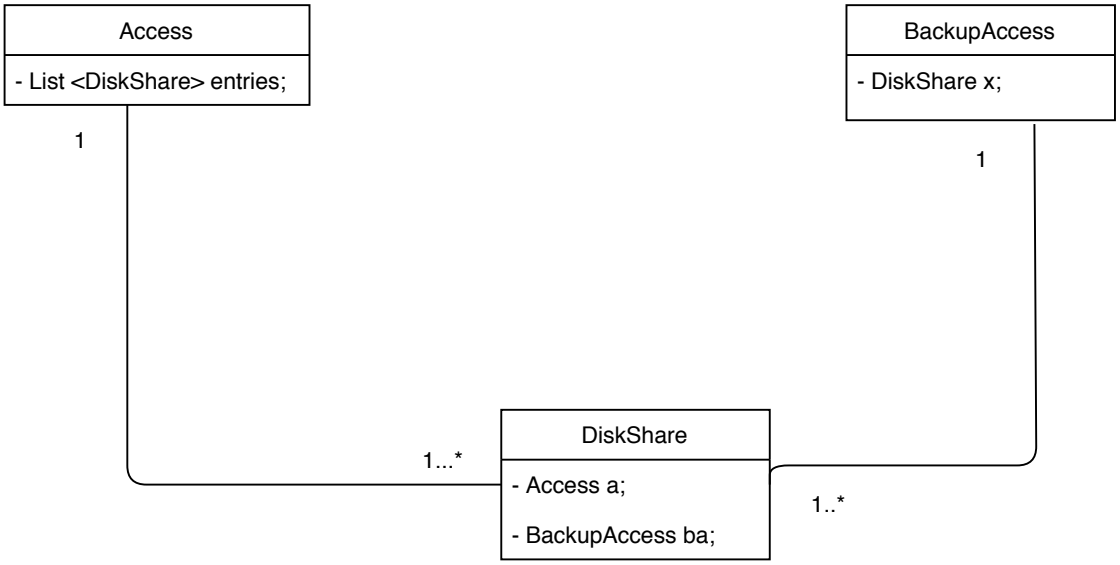
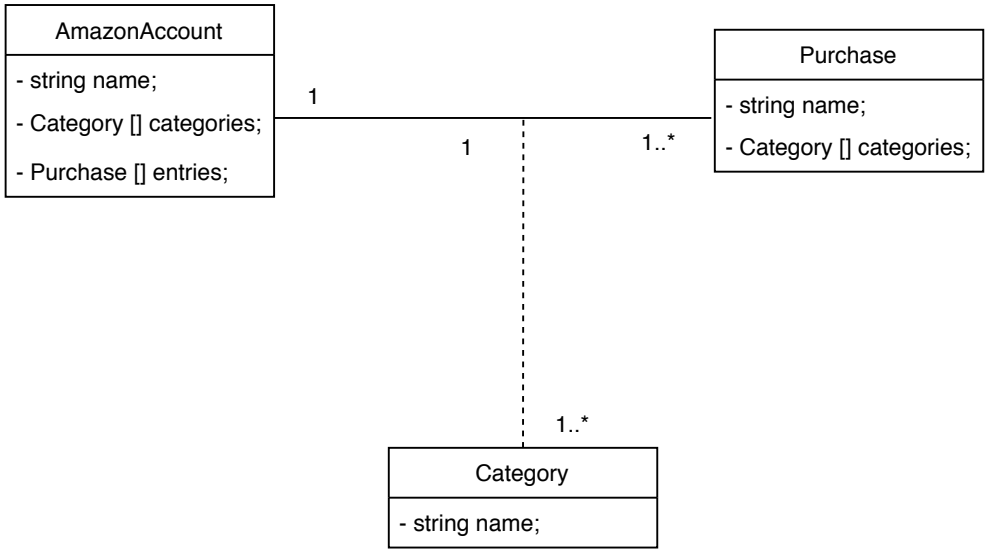
1-

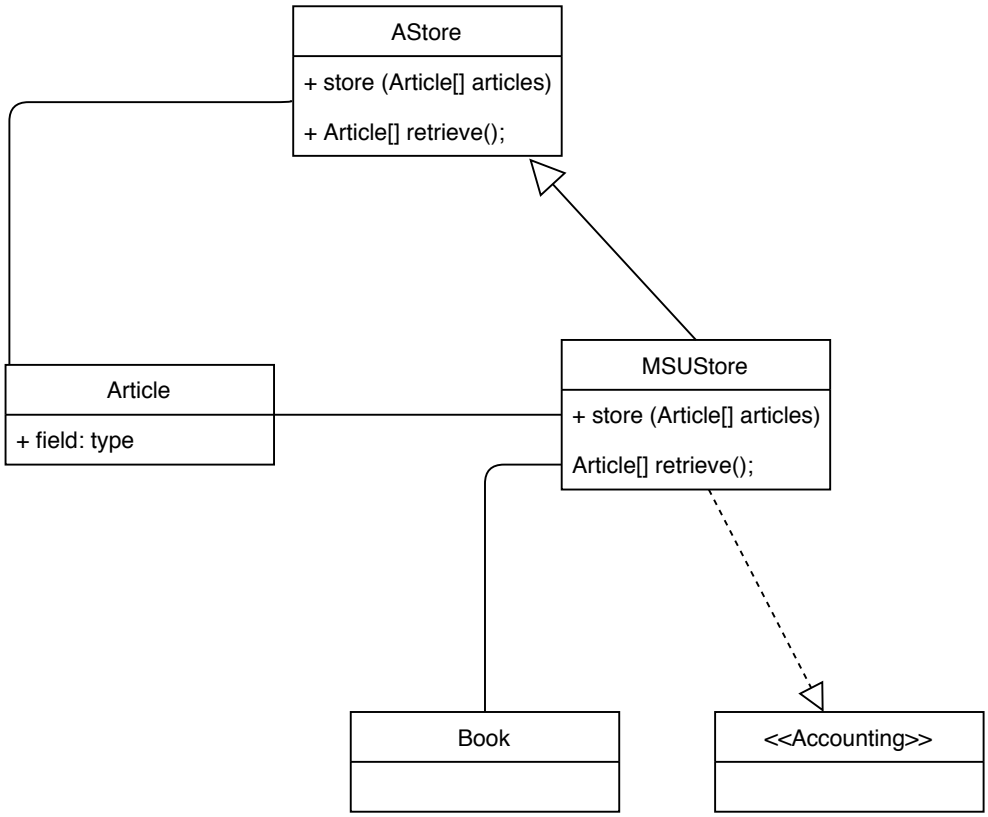


2-


Access
- List <DiskShare> entries;
BackupAccess
- DiskShare x;
1
1
1...*
DiskShare
- Access a;
- BackupAccess ba;
1..*

3-


AmazonAccount
- string name;
- Category [] categories;
- Purchase [] entries;
1
1
1..*
Purchase
- string name;
- Category [] categories;
1..*
Category
- string name;


AStore
+ store (Article[] articles)
+ Article[] retrieve();
Article
+ field: type
MSUStore
+ store (Article[] articles)
Article[] retrieve();
Book
<<Accounting>>

Abdulrahman Alhitmi
Ahmad Naji

```
Public class Company {
        Public String name[1];
        Public Address headquarters[1];
        Public Truck truck;
        Public Car car;
        Public Motorbike motorbike;
        Public VehicleRentalService service;
        Public Employee employee;
        Public Customer customer;
}

Public Abstract class Person extends Employee, Customer{
        Public String name[1];
        Public String email[1];
        public Address address;
}

public class Employee extends Subcontractor{

}

public class Customer extends Subcontractor{
        Public BankAccount bankAccount;
}

public class Subcontractor{

}


Public class Address{
        Public String street[1];
        Public String postalCode[1];
        Public String city[1];
}

Public class BankAccount{
        Public UnlimitedNatural number[1];
        Public String depositor[1];
        Public String bank[1];
}
```

```
Public class VehicleRentalService extends Service{
        Public Vehicle vehicle[1];

        Public void offerCar(){
        }
        Public void offerMotorbike(){
        }
        Public void offerTruck(){
        }
}

Public Abstract class Service{
        Public Customer customer[1];
}

Public class Truck extends Vehicle{
        Public UnlimitedNatural weight[1];
        Public UnlimitedNatural power[1];
        Public String manufacturer[1];
        Public String regNo[1];
}

Public class Car extends Vehicle{
        Public CarKind kind[1];
        Public unlimitedNatural power[1];
        Public unlimitedNatural noSeats[1];
        Public String manufacturer [1];
        Public String regNo [1];
}

Public class Motorbike extends Vehicle {
        Public mbKind kind [1];
        Public unlimitedNatural cylinderCap[1];
        Public unlimitedNatural power[1];
        Public String manufacturer [1];
        Public String regNo[1];
}

Public Abstract class Vehicle implements IRentable {
        public void rent(){
        }
}

interface IRentable {
```

```
        public void rent(){
        }
}
```