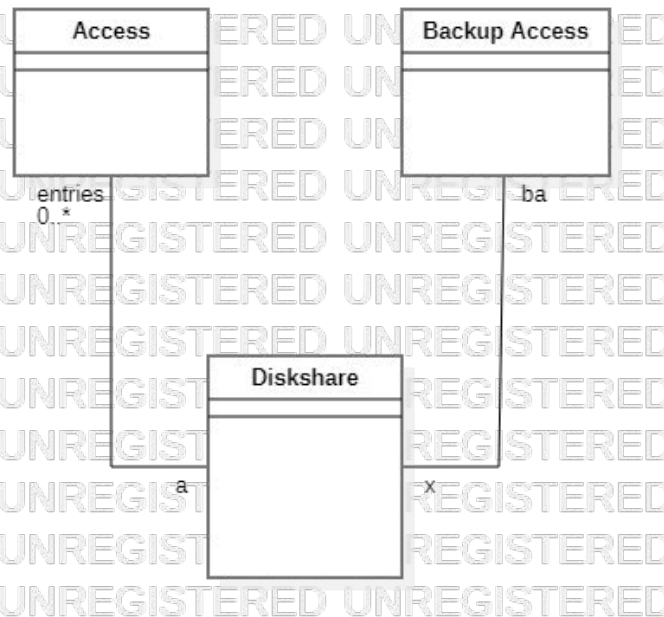


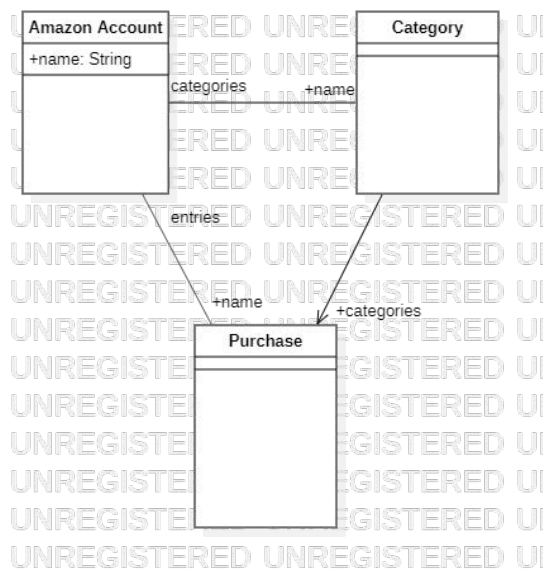
Q A.1



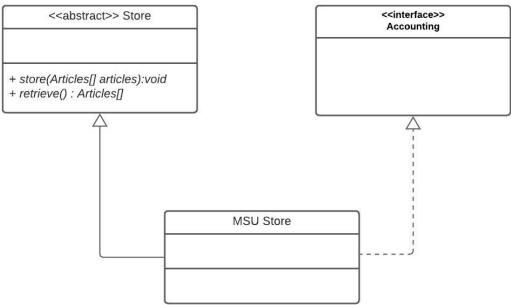
Q A.2



Q A.3



Q A.4



Exercise 2:

```
public class Company{
    private String name;
    private Address headquarters;
    private Truck truck;
    private Car car;
    private Motorbike bike;
    private VehicleRentalService service;
    private Customer customer;
    private Employee employee;
}

public class Truck extends Vehicle implements IRentable{
    private UnlimitedNatural weight;
    private UnlimitedNatural power;
    private String manufactuer;
    private String regNo;
}

public class Vehicle implements IRentable{}
public interface IRentable{
    function rent();
}

public abstract class Car extends Vehicle implements IRentable{
    private Carkind kind;
    private UnlimitedNatural noSeats;
    private UnlimitedNatural power;
    private String manufacturer;
    private String regNo;
}

public abstract class Service{
    private Customer customer;
}

public class VehicleRentalService extends Service{
    private Vehicle vehicle;
    private function offerCar();
    private function offerMotorbike();
    private function offerTruck();
}

public abstract class Person{
    private Address address;
}

public class Address{
    private String string;
    private String postalCode;
    private String city;
}

public class Employee extends Person{}
public class Customer extends Person{
    private BankAccount bankAccount;
}

public class BankAccount{
```

```
    private UnlimitedNatural number;  
    private String Depositor;  
    private String bank;  
}  
public class Subcontractor extends Employee && extends Customer{}
```