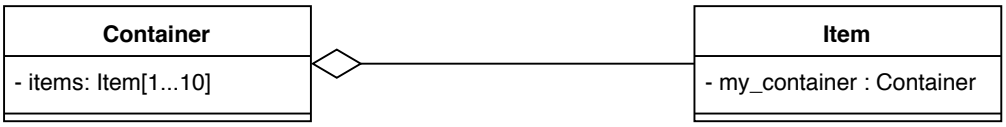
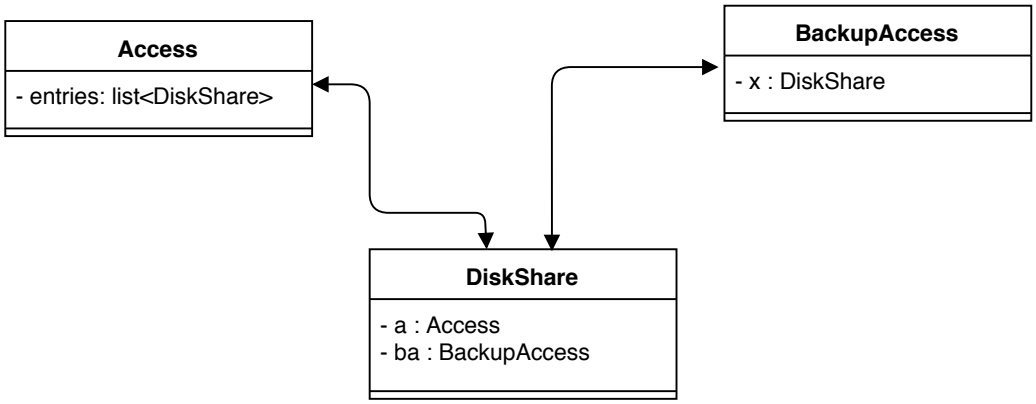
HW#1 ESOF 322
Marielle Korringa and Janet Madrid

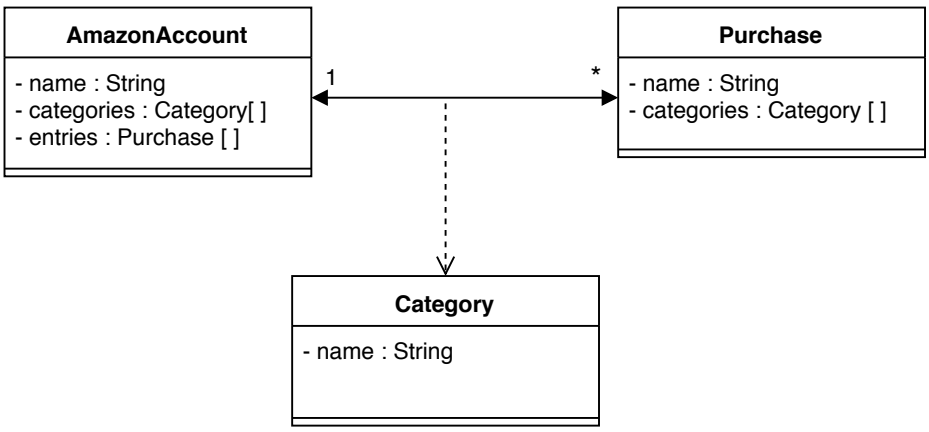
1)



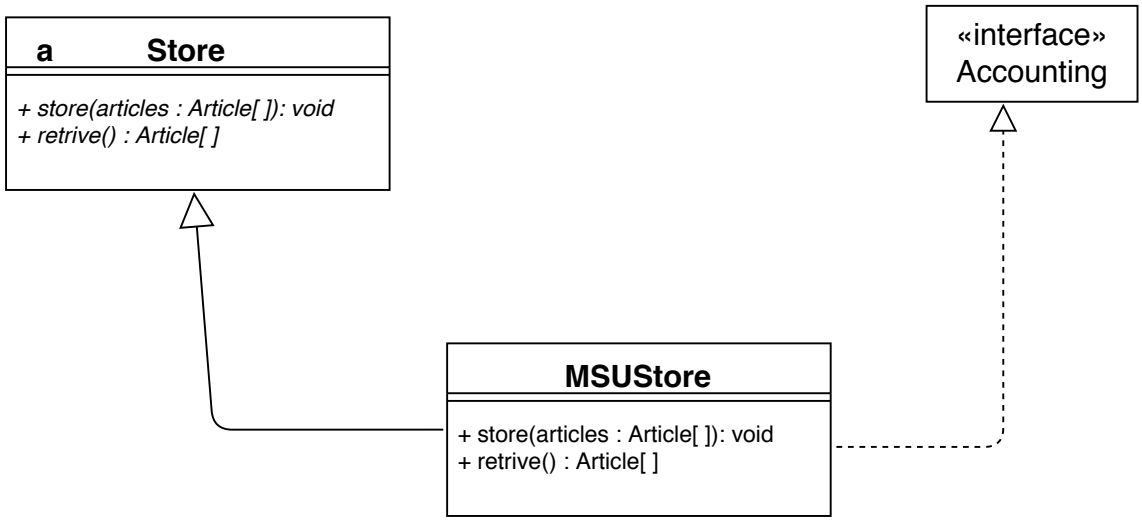
2)



3)



4)


a Store
+ store(articles : Article[ ]): void
+ retrive() : Article[ ]
«interface»
Accounting
MSUStore
+ store(articles : Article[ ]): void
+ retrive() : Article[ ]

5)

```
public Company{
    public String name;
    public Address headquarters;}
public interface iRentable{
    public void rent();
}
public abstract class Vehicle implements iRentable{    }
public class Truck extends vehicle{
    public UnlimitedNatural weight;
    public UnlimitedNatural power;
    public String manufacturer;
    public String regNo;
}
public class Car extends vehicle{
    public CarKind kind;
    public UnlimitedNatural noSeats;
    public UnlimitedNatural power;
    public String manufacturer;
    public String regNo;
}
public class Motorbike extends vehicle{
    public MbKind kind;
    public UnlimitedNatural cylinderCap;
    public UnlimitedNatural power;
    public String manufacturer;
    public String regNo;
}
public class Person{
    public String name;
    public String email;
}
public class Employee extends Person{}
public class Customer extends Person{}
public class BankAccount{
    public UnlimitedNatural number;
    public String depositor;
    public String bank;
}
public class Subcontractor extends Employee and Customer{}
public class Address{
    public string street;
    public string postalCode;
    public string city;
}
public class Service {
    public Customer customer;
}
public class VehicleRentalService extends Service{
    public Vehicle vehicle;
    public offerCar(){    }
    public offerMotorbike(){    }
    public offerTruck(){    }
}
```