#1

```
┌─────────────────────────┐
│        Container        │
├─────────────────────────┤
│ - items: Item[10]       │
└─────────────────────────┘
            │
┌─────────────────────────┐
│          Item           │
├─────────────────────────┤
│ - my_container: Container│
└─────────────────────────┘
```

#2

```
┌─────────────────────────┐
│         Access          │
├─────────────────────────┤
│ -List<DiskShare>entries │
└─────────────────────────┘
```

```
┌──────────────────────┐          ┌─────────────────────────┐
│     BackupAccess     │          │        DiskShare        │
├──────────────────────┤          ├─────────────────────────┤
│ - x: Diskshare       │          │ - a: Access             │
│                      │          │ - ba: BackupAccess      │
└──────────────────────┘          └─────────────────────────┘
```

#3

AmazonAccount

- name: String

- categories: Category[]

- entries: Purchase[]

1

0..*

Category

- name: String

categories

Purchase

- name: String

- categories: Category[]

#4

MSUStore

+ store(Article[] articles)

+ retrieve: Article[]
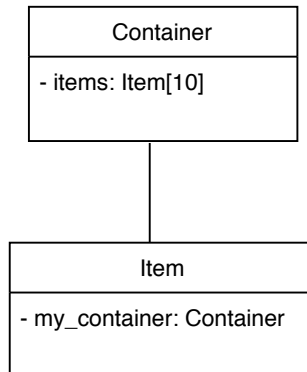
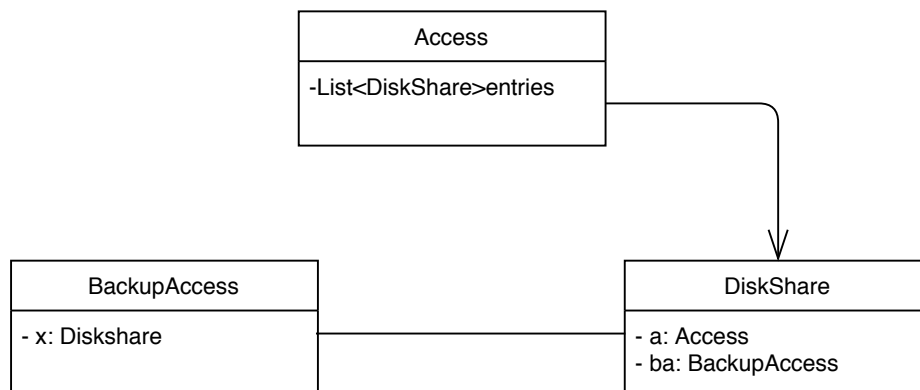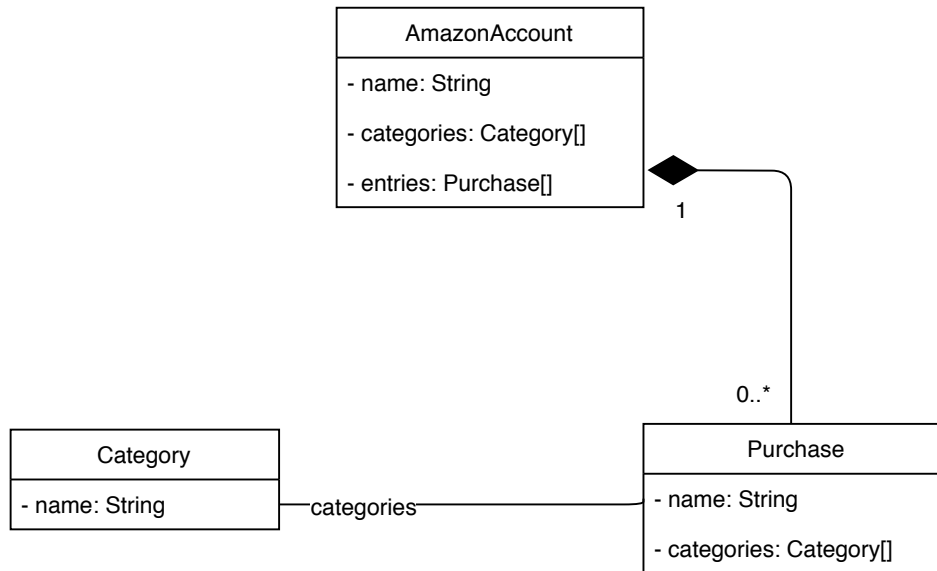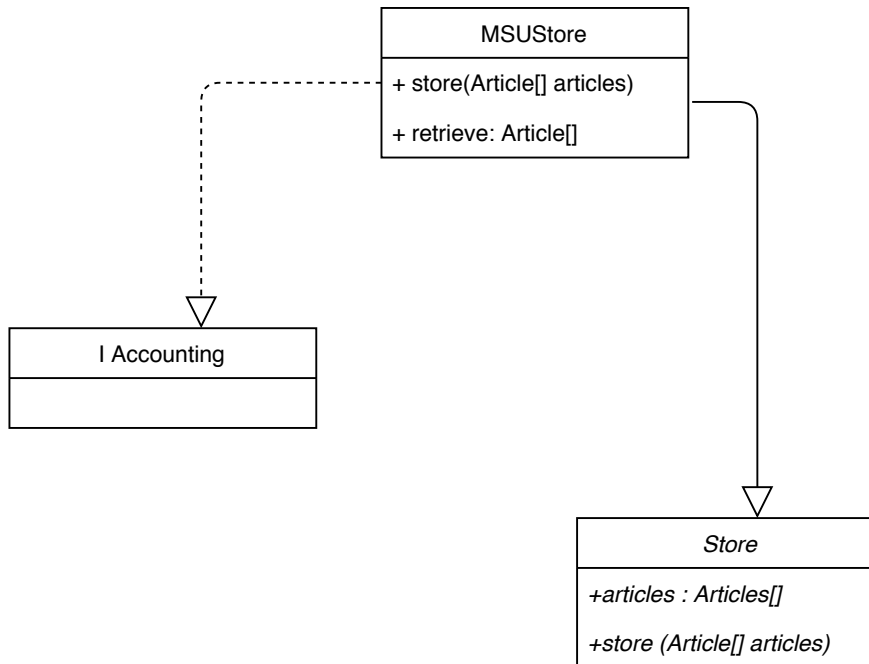**I Accounting**

Store

+articles : Articles[]

+store (Article[] articles)

#5

```
public Class Company {

String name;
Address headquarters;
}


public Class Truck inherits Vehicle {

UnlimitedNatural weight;
UnlimitedNatural power;
String manufacturer;
String regNo;
}

public Class Car inherits Vehicle {

CarKind kind;
UnlimitedNatural noSeats;
UnlimitedNatural power;
String manufacturer;
String noReg;
}

public Class Motorbike inherits Vehicle{

MbKind kind;
UnlimitedNatural cylinderCap;
UnlimitedNatural power;
String manufacturer;
String regNo;
}

public abstract Class Person {

String name;
String email;
}

public Class Address{

String street;
String postalCode;
String city;
}

public Class BankAccount{

UnlimitedNatural number;
String depositor;
String bank;
}

public Class VehicleRentalService{

Vehicle vehicle;
offerCar();
offerMotorbike();
offerTruck();
}

public Class Service inherits VehicleRentalService{

Customer customer;
}
```

```
public interface rentable {
public rent()
}

public Class Employee inherits Person {

}

public Class Customer inherits Person {

}

public Class Person {

}

public Class Subcontractor inherits Employee, Customer {

}
```