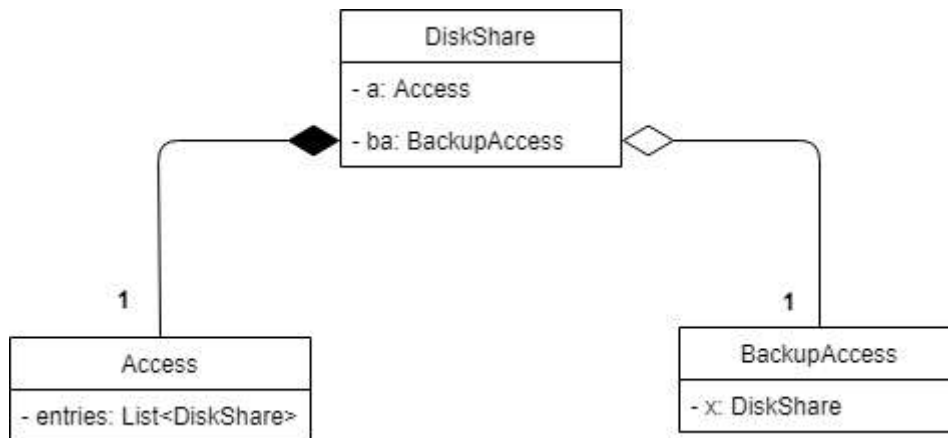Skylar Smoker and John Lambrecht
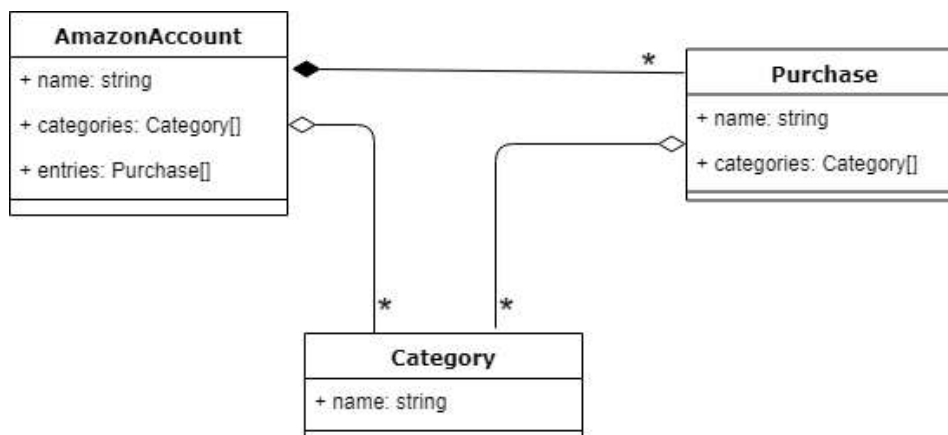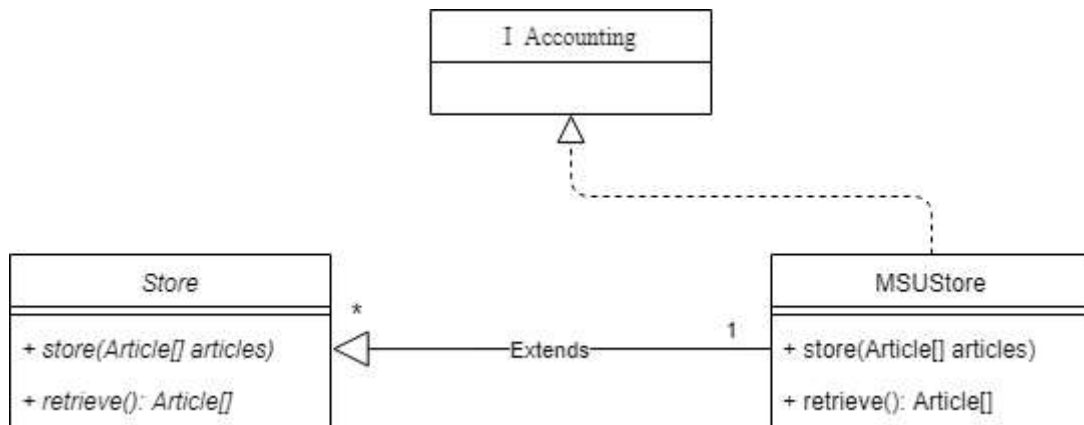
ESOF 322

HW1

1.

2.

3.

4.

5.

```
public interface Rentable{
        public void rent();
}
public abstract class Vehicle implements Rentable{
}
public class Truck extends Vehicle{
        public UnlimitedNatural[1] weight;
        public UnlimitedNatural[1] power;
        public String[1] manufacturer;
        public String[1] regNo;
}
public class Car extends Vehicle{
        public CarKind[1] kind;
        public UnlimitedNatural[1] noSeats;
        public UnlimitedNatural[1] power;
        public String[1] manufacturer;
        public String[1] regNo;
}
public class Motorbike extends Vehicle{
        public MbKind[1] kind;
        public UnlimitedNatural[1] cylinderCap;
        public UnlimitedNatural[1] power;
        public String[1] manufacturer;
        public String[1] regNo;
}
```

```
public class Company{
        public String[1] name;
        public Address[1] headquarters;
}
public abstract class Service{
        public Customer[1] customer;
}
public class VehicleRentalService extends Service{
        public Vehicle[1] vehicle;
        public void offerCar() {...}
        public void offerMotorbike() {...}
        public void offerTruck() {...}
}
public abstract class Person{
        public String[1] name;
        public String[1] email;
}

public class Address{
        public String[1] street;
        public String[1] postalCode;
        public String[1] city;
}
public class Employee extends Person{
}
public class Customer extends Person{
}
public class Subcontractor extends Employee{
}
public class BankAccount{
        public UnlimitedNatural[1] number;
        public String[1] depositor;
        public String[1] bank;
}
```