**Assignment 1 Part B  
Tyler Bourgeois & Julian Rechsteiner**

public class Company {

public String name;

public Address headquarters;

public VehicleRentalService service;

public Employee[] employee;

public Customer customer[];

public Car[] car;

public Truck[] truck;

public Motorbike[] motorbike;

}

public interface Rentable {

public rent();

}

public abstract class Vehicle implements Rentable {

...

}

public class Truck extends Vehicle {

public UnlimitedNatural weight;

public UnlimitedNatural power;

public String manufacturer;

public String regNo;

public Company company;

}

public class Car extends Vehicle {

public CarKind kind;

public UnlimitedNatural noSeats;

public UnlimitedNatural power;

public String manufacturer;

public String regNo;

public Company company;

}

public class Motorbike extends Vehicle {

public MbKind kind;

public UnlimitedNatural cylinderCap;

public UnlimitedNatural power;

public String manufacturer;

public String regNo;

public Company company;

}

public class VehicleRentalService extends Service {

public Company company;

public Vehicle vehicle;

offerCar();

offerMotorBike();

offerTruck();

}

public abstract class Service {

public Customer customer;

}

public abstract class Person {

public String name;

public String email;

public Address[] address;

}

public class Address {

public Person person;

public String street;

public String postalCode;

public String city;

}

public class Employee extends Person {

public Company company;

}

public class Customer extends Person {

public Company company;

public BankAccount bankAccount;

}

public class Subcontractor extends Employee, Customer{

...

}

public class BankAccount {

public Customer customer;

public UnlimitedNatural number;

public String depositer;

public String bank;

}