

```
1  class Company {
2      public String name;
3      public Address headquarters;
4
5      public Truck[] trucks;
6      public Car[] cars;
7      public Motorbike[] motorbikes;
8
9      public VehicleRentalService service;
10
11     public Customer[] customers;
12     public Employee[] employees;
13 }
14
15 class BankAccount {
16     public UnlimitedNatural number;
17     public String depositor;
18     public String bank;
19 }
20
21 class Address {
22     public String street;
23     public String postalCode;
24     public String city;
25 }
26
27
28 // START Vehicles
29 interface Rentable {
30     void rent();
31 }
32
33 abstract class Vehicle implements Rentable {
34     abstract void rent() { ... }
35 }
36
37 class Truck extends Vehicle {
38     public UnlimitedNatural weight;
39     public UnlimitedNatural power;
40     public String manufacturer;
41     public String regNo;
42 }
43
44 class Car extends Vehicle {
45     // Undepicted in diagram; pseudocode neglected.
46     // Could be child of an abstract VehicleKind?
47     public CarKind kind;
48
49     public UnlimitedNatural noSeats;
50     public UnlimitedNatural power;
51     public String manufacturer;
52     public String regNo;
53 }
54
55 class Motorbike extends Vehicle {
56     // Undepicted in diagram; pseudocode neglected.
57     // Could be child of an abstract VehicleKind?
58     public MbKind kind;
59
60     public UnlimitedNatural cylinderCap;
61     public UnlimitedNatural power;
62     public String manufacturer;
63     public String regNo;
64 }
65 // END Vehicles
66
```

```
67
68 // START Services
69 abstract class Service {
70     public Customer customer;
71 }
72
73 class VehicleRentalService extends Service {
74     public Vehicle vehicle;
75
76     public void offerCar() { ... }
77     public void offerMotorbike() { ... }
78     public void offerTruck() { ... }
79 }
80 // END Services
81
82
83 // START People
84 abstract class Person {
85     public String name;
86     public String email;
87     public Address address;
88 }
89
90 class Customer extends Person {
91     public BankAccount bankAccount;
92 }
93
94 class Employee extends Person {}
95
96 class Subcontractor extends Employee, Customer {}
97 // END People
98
```