

CMP-4008Y Coursework 2 - Toll Road Program

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Fri, 27 Apr 2018 14:45

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Contents

Vehicle.java	2
Car.java	3
Van.java	4
Truck.java	5
CustomerAccount.java	6
TollRoad.java	9
CustomerNotFoundException.java	11
InsufficientAccountBalanceException.java	12
TollRoadMain.java	13
output.txt	15
uml.pdf	17
Application	19
Compiler Invocation	19
Compiler Messages	19
Application Invocation	19
Messages to STDOUT	19
Messages to STDERR	21

Vehicle.java

```
1  /*
   * To change this license header, choose License Headers in Project Properties.
3  * To change this template file, choose Tools / Templates
   * and open the template in the editor.
5  */
package tollroad.program;

7
/**
9  *
   * @author Max
11 */
public abstract class Vehicle {
13     public String getPlate() {
        return plate;
15     }
    public void setPlate(String plate) {
17         this.plate = plate;
    }
    public String getManufacturer() {
19         return manufacturer;
    }
    public void setManufacturer(String manufacturer) {
23         this.manufacturer = manufacturer;
    }
    private String plate;
    private String manufacturer;
27     public Vehicle(String inPlate, String inManufacturer){
        plate = inPlate;
29         manufacturer = inManufacturer;
    }
    public abstract int calculateBasicTripCost();
31 }
```

Car.java

```
/*
2  * To change this license header, choose License Headers in Project Properties.
  * To change this template file, choose Tools / Templates
4  * and open the template in the editor.
  */
6  package tollroad.program;

8  /**
  *
10  * @author Max
  */
12  public class Car extends Vehicle {
    public Car(String inPlate, String inManufacturer, int inpNumberOfSeats) {
14      super(inPlate, inManufacturer);
      numberOfSeats = inpNumberOfSeats;
16    }

18    public int getNumberOfSeats() {
      return numberOfSeats;
20    }

22    public void setNumberOfSeats(int numberOfSeats) {
      this.numberOfSeats = numberOfSeats;
24    }

26    private int numberOfSeats;

28    @Override
    public int calculateBasicTripCost() {
30      if (numberOfSeats <= 5){
        return 500;
32      }else {
        return 600;
34      }
    }

36    public static void main(String[] args)
    {
38      Car testCar = new Car("T3ST15","Ford",5);
      System.out.println("Printing car object" + testCar);
40      System.out.println("Number of seats = " + testCar.getNumberOfSeats()+ "
        Manufacturer = " +testCar.getManufacturer() + "numPlte = " + testCar.
        getPlate());
      System.out.println("tripCost = " + testCar.calculateBasicTripCost());
42    }
  }
```

Van.java

```
1 package tollroad.program;

3 /**
4  *
5  * @author Max
6  */
7 public class Van extends Vehicle {
8     public Van(String inPlate, String inManufacturer, int inpPayload) {
9         super(inPlate, inManufacturer);
10        payload = inpPayload;
11    }
12    @Override
13    public int calculateBasicTripCost() {
14        if(payload <= 600){
15            return 500;
16        }else if(payload <= 800){
17            return 750;
18        }else
19            return 1000;
20    }
21
22    public int getPayload() {
23        return payload;
24    }
25
26    public void setPayload(int payload) {
27        this.payload = payload;
28    }
29
30    private int payload;
31
32    public static void main(String[] args)
33    {
34        Van testVan = new Van("DYQNJ12","Merc",700);
35        System.out.println("Printing Van object " + testVan);
36        System.out.println("Payload = " + testVan.getPayload()+ "Manufacturer = "
37            +testVan.getManufacturer() + "numPlate = " + testVan.getPlate());
38        System.out.println("tripCost = " + testVan.calculateBasicTripCost());
39    }
```

Truck.java

```
1 package tollroad.program;

3 /**
4  *
5  * @author Max
6  */
7 public class Truck extends Vehicle{
8     public Truck(String inPlate, String inManufacturer, int inpNumTrailers) {
9         super(inPlate, inManufacturer);
10        numTrailers = inpNumTrailers;
11    }

12
13    @Override
14    public int calculateBasicTripCost() {
15        if (numTrailers == 1){
16            return 1250;
17        }else{
18            return 1500;
19        }
20    }

21
22    public void setNumTrailers(int numTrailers) {
23        this.numTrailers = numTrailers;
24    }

25
26    public int getNumTrailers() {
27        return numTrailers;
28    }

29
30    private int numTrailers;
31
32    public static void main(String[] args)
33    {
34        Truck testTruck = new Truck("YA34JU","Ford",1);
35        System.out.println("Printing truck object" + testTruck);
36        System.out.println("NumTrailers = " + testTruck.getNumTrailers()+ "
37            Manufacturer = " + testTruck.getManufacturer() + "numPlate = " +
38            testTruck.getPlate());
39        System.out.println("tripCost = " + testTruck.calculateBasicTripCost());
40    }
41 }
```

CustomerAccount.java

```

1  package tollroad.program;
   import java.io.FileNotFoundException;
3  import java.io.FileOutputStream;
   import java.io.PrintStream;
5  /**
   *
7   * @author Max
   */
9  public class CustomerAccount {

11     public CustomerAccount(String fName, String sName, Vehicle inpVehicle, int
        inpBalance){
        firstName = fName;
13         surName = sName;
        vehicle = inpVehicle;
15         balance = inpBalance;
        discountType = DiscountType.NONE;
17     }
    public String getFirstName() {
19         return firstName;
    }
21     public void setFirstName(String firstName) {
        this.firstName = firstName;
23     }
    public String getSurName() {
25         return surName;
    }
27     public void setSurName(String surName) {
        this.surName = surName;
29     }
    public int getBalance() {
31         return balance;
    }
33     public void setBalance(int balance) {
        this.balance = balance;
35     }
    public DiscountType getDiscountType() {
37         return discountType;
    }
39     public void setDiscountType(DiscountType discountType) {
        this.discountType = discountType;
41     }
    private String firstName;
43     private String surName;
    public Vehicle getVehicle() {
45         return vehicle;
    }
47     public void setVehicle(Vehicle vehicle) {
        this.vehicle = vehicle;
49     }
    private Vehicle vehicle;
51     private int balance;
    //DiscountType that defaults to NONE
53     private DiscountType discountType = DiscountType.NONE;
    public void activateStaffDiscount(){
55         discountType = DiscountType.STAFF;
    }
57     public void activateFriendsAndFamilyDiscount(){
        if (discountType != DiscountType.STAFF);
59         discountType = DiscountType.FRIENDS_AND_FAMILY;
    }
}

```

```

61 //deactivateDiscount() to remove any active discount on the account
public void deactivateDiscount(){
63     discountType = DiscountType.NONE;
64 }
65 //addFunds to add more credit to the account balance;
public void addFunds(int amount){
67     PrintStream output = null;
        try {
69         output = new PrintStream(new FileOutputStream("output.txt", true));
        } catch (FileNotFoundException e) {
71         }
        balance = balance + amount;
73     System.out.println(getVehicle().getPlate() + " : " + amount + " added
        successfully");
        output.println(getVehicle().getPlate() + " : " + amount + " added
        successfully");
75     output.close();
    }
77 public int makeTrip() throws InsufficientAccountBalanceException {
        PrintStream output = null;
        try {
79         output = new PrintStream(new FileOutputStream("output.txt", true));
        } catch (FileNotFoundException e) {
81         }
        int tripCost;
        if(discountType.compareTo(DiscountType.STAFF) == 0){
83             tripCost = (int) (vehicle.calculateBasicTripCost()*0.5);
85         }else if(discountType.compareTo(DiscountType.FRIENDS_AND_FAMILY) == 0){
87             tripCost = (int) (vehicle.calculateBasicTripCost()*0.9);
        }else{
89             tripCost = vehicle.calculateBasicTripCost();
        }
91     //check if balance has enough if not throw error
        if (tripCost <= balance){
93         balance = balance - tripCost;
        System.out.println(getVehicle().getPlate() + " : Trip completed
        successfully");
95         output.println(getVehicle().getPlate() + " : Trip completed
        successfully");
        output.close();
97         return tripCost;
        }else{
99         System.out.println(getVehicle().getPlate() + " : makeTrip failed.
            Insufficient funds");
        output.println(getVehicle().getPlate() + " : makeTrip failed.
            Insufficient funds");
101        output.close();
        throw new InsufficientAccountBalanceException("Insufficent money on
            account");
103    }
    }
105 private enum DiscountType{
        NONE, STAFF, FRIENDS_AND_FAMILY
107 }
108 public int compareTo(CustomerAccount custAccount){
109     int compareValue = vehicle.getPlate().compareTo(custAccount.getVehicle().
        getPlate());
        if(compareValue > 0){
111         return 1;
        }else if(compareValue < 0){
113         return -1;
        }else{
115         return compareValue;
        }
    }

```

```
    }
117 }
    public static void main(String[] args) throws
        InsufficientAccountBalanceException {
119         CustomerAccount customerTest = new CustomerAccount("Luke","Archer",new
            Car("LUKE15", "Ford", 4), 800);
        System.out.println("CustomerAccount memory location = " + customerTest);
121         System.out.println("Balance of customer before trip = " + customerTest.
            getBalance());
        customerTest.makeTrip();
123         System.out.println("Balance of customer after trip = " + customerTest.
            getBalance());
        System.out.println("Customer's discountType - " + customerTest.
            getDiscountType());
125         customerTest.activateStaffDiscount();
        System.out.println("Customer's changed discountType to STAFF" +
            customerTest.getDiscountType());
127         customerTest.activateFriendsAndFamilyDiscount();
        System.out.println("Customer's changed discountType to FRIENDS_AND_FAMILY
            - " + customerTest.getDiscountType());
129         customerTest.deactivateDiscount();
        System.out.println("Deactivating discount on customer - " + customerTest.
            getDiscountType());
131         CustomerAccount customerTest2 = new CustomerAccount("Geoff","Payne",new
            Car("GEOFF15", "Ford", 4), 800);
        System.out.println("Comparing numPlate LUKE15 to GEOFF15 - " +
            customerTest.compareTo(customerTest2));
133         System.out.println("Comparing numPlate LUKE15 to LUKE15 - " +
            customerTest.compareTo(customerTest));
        CustomerAccount customerTest3 = new CustomerAccount("Geoff","Payne",new
            Car("LUKE16", "Ford", 4), 800);
135         System.out.println("Comparing numPlate LUKE15 to LUKE16 - " +
            customerTest.compareTo(customerTest3));
    }
137 }
```


TollRoad.java

```

1  package tollroad.program;
   import java.io.FileNotFoundException;
3  import java.io.FileOutputStream;
   import java.io.PrintStream;
5  import java.util.HashMap;

7  /**
   *
9  * @author Max
   */
11 public class TollRoad {
    private HashMap<String, CustomerAccount> accountHM = new HashMap();
13    public int getMoneyMade() {
        return moneyMade;
15    }
    public void setMoneyMade(int moneyMade) {
17        this.moneyMade = moneyMade;
    }
    private int moneyMade;
    public TollRoad(){
21        moneyMade = 0;
    }
    //addCustomer adds a new account to the list of customers
    public void addCustomer(CustomerAccount acc){
25        accountHM.put(acc.getVehicle().getPlate(),acc);
    }
    public CustomerAccount findCustomer(String regNum) throws
        CustomerNotFoundException {
        PrintStream output = null;
29        try {
            output = new PrintStream(new FileOutputStream("output.txt", true));
31        } catch (FileNotFoundException e) {
        }
        if(accountHM.containsKey(regNum)){
            return accountHM.get(regNum);
33        }else{
            System.out.println(regNum + " : Could not find customer");
37            output.println(regNum + " : Could not find customer");
            output.close();
39            throw new CustomerNotFoundException("No customer found when finding
                customer");
        }
41    }
    public void chargeCustomer(String registrationNumber) throws
        InsufficientAccountBalanceException, CustomerNotFoundException {
43        try{
            findCustomer(registrationNumber);
45            int tripCost = accountHM.get(registrationNumber).makeTrip();
            moneyMade = moneyMade + tripCost;
47        } catch(CustomerNotFoundException e){
        } catch (InsufficientAccountBalanceException e){
49        }
    }
51    public static void main(String[] args) throws
        InsufficientAccountBalanceException, CustomerNotFoundException {
        TollRoad testRoad = new TollRoad();
53        testRoad.addCustomer(new CustomerAccount("Luke","Archer",new Car("LUKE15"
            , "Ford", 4), 800));
        System.out.println("FindCustomer.getSurName = " + testRoad.findCustomer("
            LUKE15").getSurName());
55        System.out.println("FindCustomer.getBalance = " + testRoad.findCustomer("

```

```
        LUKE15").getBalance());
    testRoad.chargeCustomer("LUKE15");
57    System.out.println("MoneyMade = " + testRoad.moneyMade);
    System.out.println("FindCustomer.getBalance = " + testRoad.findCustomer("
        LUKE15").getBalance());
59    }
}
```

CustomerNotFoundException.java

```
/*
2  * To change this license header, choose License Headers in Project Properties.
  * To change this template file, choose Tools / Templates
4  * and open the template in the editor.
  */
6 package tollroad.program;

8 /**
  *
10  * @author Max
  */
12 public class CustomerNotFoundException extends Exception{
    public CustomerNotFoundException(String error) {
14         super(error);
    }
16 }
```

InsufficientAccountBalanceException.java

```
/*
2  * To change this license header, choose License Headers in Project Properties.
  * To change this template file, choose Tools / Templates
4  * and open the template in the editor.
  */
6 package tollroad.program;

8 /**
  *
10  * @author Max
  */
12 public class InsufficientAccountBalanceException extends Exception{
    public InsufficientAccountBalanceException(String error) {
14         super(error);
    }
16 }
```

TollRoadMain.java

```

package tollroad.program;
2  import java.io.FileOutputStream;
   import java.io.IOException;
4   import java.io.PrintStream;
   import java.nio.file.Files;
6   import java.nio.file.Paths;
   import java.util.ArrayList;
8   import java.util.List;

10  /**
   *
12  * @author Max
   */
14  public class TollRoadMain {
   public static void main(String[] args) throws Exception
16  {
       try (PrintStream clear = new PrintStream(new FileOutputStream("output.txt
           ""))) {
18           clear.println("");
       }
20       TollRoad tRoad = initialiseTollRoadFromFile();
       simulateFromFile(tRoad);
22       System.out.println(tRoad.getMoneyMade());
       PrintStream output = new PrintStream(new FileOutputStream("output.txt",
           true));
24       output.println("Money made : " + tRoad.getMoneyMade());
       output.close();
26   }

   public static TollRoad initialiseTollRoadFromFile() throws IOException,
       CustomerNotFoundException {
28       TollRoad tollRoad = new TollRoad();
       String txtFile;
30       List<String> list = new ArrayList<>();
       txtFile = new String(Files.readAllBytes(Paths.get("customerData.txt")));
32       for (String holder: txtFile.split("#")) {
           for (String holder1: holder.split(",")) {
34               list.add(holder1);
           }
36       }

       for(int i = 0; list.size() > i; i=i+8){
38           String vehicleType = list.get(i);
           String regNum = list.get(i+1);
40           String FirstName = list.get(i+2);
           String LastName = list.get(i+3);
42           String vMake = list.get(i+4);
           String vehicleInfo = list.get(i+5);
44           String startingBalance = list.get(i+6);
           String DiscountType = list.get(i+7);
46           if(vehicleType.compareToIgnoreCase("Van") == 0){
               Van van = new Van(regNum, vMake, Integer.parseInt(vehicleInfo
                   ));
48               //add customer to tollroad
               tollRoad.addCustomer(new CustomerAccount(FirstName, LastName,
                   van, Integer.parseInt(startingBalance)));
50           }else if(vehicleType.compareToIgnoreCase("Car") == 0){
               //does the same but for car
52               Car car = new Car(regNum, vMake, Integer.parseInt(vehicleInfo
                   ));
               tollRoad.addCustomer(new CustomerAccount(FirstName, LastName,
                   car, Integer.parseInt(startingBalance)));
54           }else{

```

```

56         //does the same but for truck
        Truck truck = new Truck(regNum, vMake, Integer.parseInt(
            vehicleInfo));
        tollRoad.addCustomer(new CustomerAccount(FirstName, LastName,
            truck, Integer.parseInt(startingBalance)));
58     }
    if (DiscountType.compareToIgnoreCase("STAFF") == 0){
60         tollRoad.findCustomer(regNum).activateStaffDiscount();
    }else if(DiscountType.compareToIgnoreCase("FRIENDS_AND_FAMILY")
        == 0){
62         tollRoad.findCustomer(regNum).
            activateFriendsAndFamilyDiscount();
    }
64 }
    return tollRoad;
66 }
public static void simulateFromFile(TollRoad road) throws
    InsufficientAccountBalanceException, IOException,
    CustomerNotFoundException {
68     String txtFile;
    List<String> transactionList = new ArrayList<>();
70     txtFile = new String(Files.readAllBytes(Paths.get("transactions.txt")));
    for (String holder: txtFile.split("\\$")) {
72         for (String holder1: holder.split(",")) {
            transactionList.add(holder1);
74         }
    }
76     int c = 0;
    String accountID;
    int fund;
78     while(transactionList.size() > c){
80         accountID = transactionList.get(c+1);
        //add funds
82         if(transactionList.get(c).compareToIgnoreCase("addFunds") == 0){
            fund = Integer.parseInt(transactionList.get(c+2));
84             road.findCustomer(accountID).addFunds(fund);
            c = c + 3;
            //makeTrip
86         }else{
88             road.chargeCustomer(accountID);
            c = c + 2;
90         }
    }
92 }
}


```

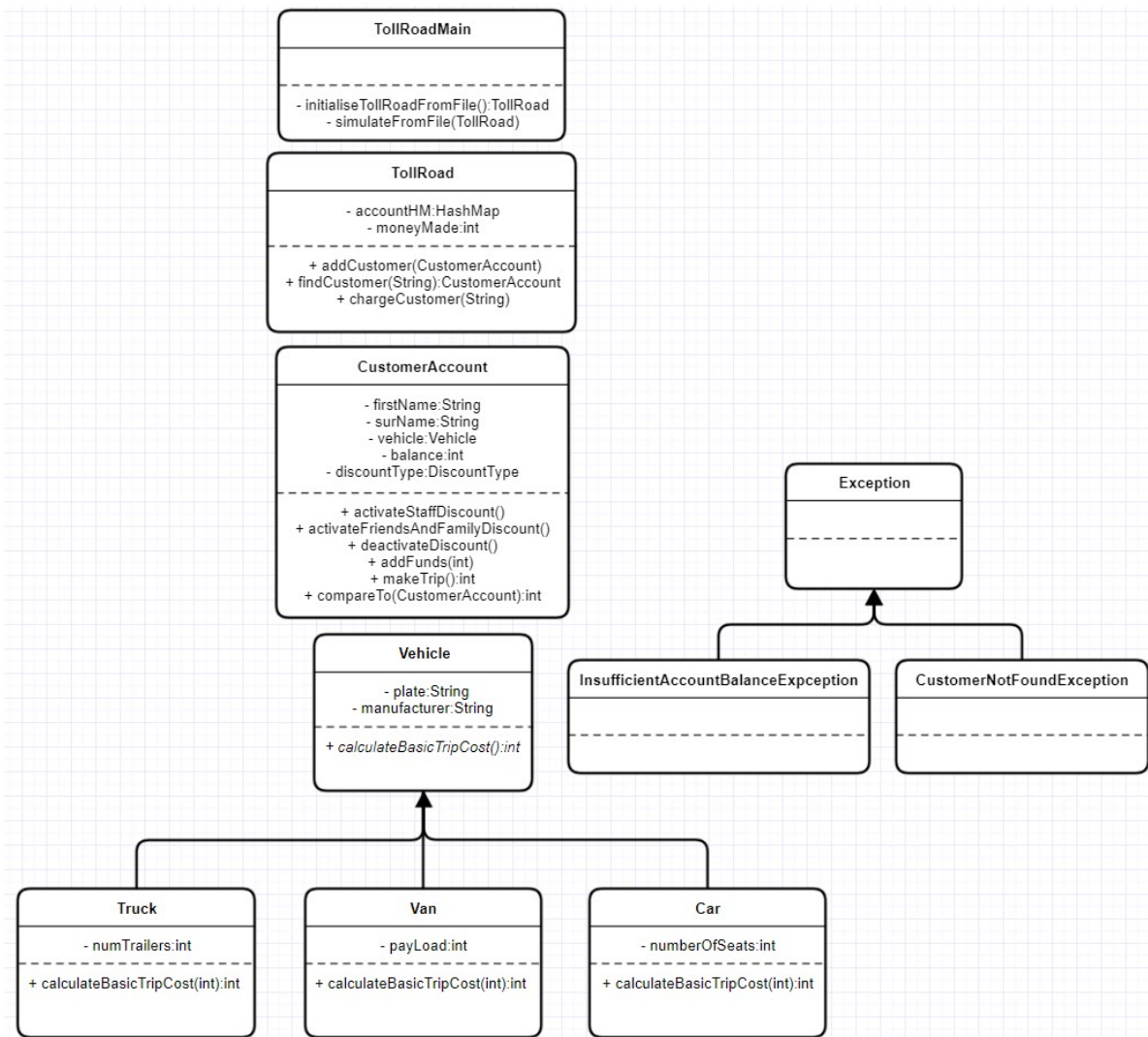
output.txt

OE080QF : 900 added successfully
CJ65DVB : 600 added successfully
UJ12CRW : 900 added successfully
KR60XNS : Trip completed successfully
ZM02EUX : Trip completed successfully
CE02ESF : Trip completed successfully
JT11YMK : Could not find customer
LO17FFK : Trip completed successfully
GV14RRM : Trip completed successfully
ZR60JGI : makeTrip failed. Insufficient funds
GP66KQL : Trip completed successfully
ZR60JGI : 4000 added successfully
GV14RRM : Trip completed successfully
QJ55HTR : Trip completed successfully
HQ09WIJ : Trip completed successfully
WQ10FZI : Could not find customer
ZR60JGI : Trip completed successfully
YS06ESV : Trip completed successfully
ZJ04XSG : Trip completed successfully
ZJ04XSG : Trip completed successfully
ZJ04XSG : 2000 added successfully
TR52YTU : Could not find customer
CJ65DVB : Trip completed successfully
OG57MWO : Could not find customer
ZQ11PMI : Could not find customer
BB14UPJ : Trip completed successfully
RD16GDY : Trip completed successfully
IL12KYE : Trip completed successfully
BQ63HWH : Could not find customer
ZR60JGI : Trip completed successfully
QM17VBV : Could not find customer
ND53BHO : Trip completed successfully
OD14STV : Trip completed successfully
CJ65DVB : Trip completed successfully
NK62WPC : makeTrip failed. Insufficient funds
HE52JEL : 500 added successfully
IL12KYE : Trip completed successfully
HI14WRW : Trip completed successfully
FL55YST : Could not find customer
EK02DEU : Could not find customer
JH67HRE : Trip completed successfully
LU16KLS : 1500 added successfully
RD16GDY : Trip completed successfully
HE52JEL : Trip completed successfully
HE52JEL : 1000 added successfully
HE57YSO : Trip completed successfully
NK62WPC : 15000 added successfully
CI60ESO : Could not find customer
ZJ04XSG : Trip completed successfully
YL09PTN : Trip completed successfully
VS56SYX : Trip completed successfully
OD14STV : Trip completed successfully
QJ55HTR : 900 added successfully
CE02ESF : Trip completed successfully
RD16GDY : makeTrip failed. Insufficient funds
YJ55XPM : 1000 added successfully
LU16KLS : Trip completed successfully
TY62BSA : Could not find customer
UJ12CRW : Trip completed successfully
JH67HRE : makeTrip failed. Insufficient funds
YJ55XPM : Trip completed successfully

CJ65DVB : Trip completed successfully
HQ09WIJ : 1100 added successfully
HE57YSO : Trip completed successfully
WZ14EWB : Trip completed successfully
ID08GMV : Trip completed successfully
ZM02EUX : Trip completed successfully
OZ53PUX : Trip completed successfully
QJ55HTR : Trip completed successfully
ND53BHO : 2000 added successfully
VS56SYX : Trip completed successfully
JF15BCM : Trip completed successfully
QJ55HTR : Trip completed successfully
ZD04UKP : makeTrip failed. Insufficient funds
ZD04UKP : 1500 added successfully
ZD04UKP : Trip completed successfully
ZM02EUX : Trip completed successfully
WZ14EWB : Trip completed successfully
ES66WHE : Could not find customer
VB58LNG : Could not find customer
NK62WPC : Trip completed successfully
KY09MDZ : Trip completed successfully
KR60XNS : Trip completed successfully
YJ55XPM : Trip completed successfully
HC17NRJ : Trip completed successfully
HH01VMY : Could not find customer
KY09MDZ : makeTrip failed. Insufficient funds
CJ65DVB : Trip completed successfully
FM66JPE : Trip completed successfully
NK62WPC : Trip completed successfully
CB13IIZ : Trip completed successfully
GV14RRM : Trip completed successfully
ZM02EUX : Trip completed successfully
JF15BCM : 1000 added successfully
JF15BCM : Trip completed successfully
KY09MDZ : makeTrip failed. Insufficient funds
VS56SYX : Trip completed successfully
Money made : 39400

uml.pdf

 (Included PDF starts on next page.)



Application

Compiler Invocation

```
javac.exe -Xlint:unchecked -Xlint:deprecation -d classes Vehicle.java Car.java
Van.java Truck.java CustomerAccount.java TollRoad.java
CustomerNotFoundException.java InsufficientAccountBalanceException.java
TollRoadMain.java
```

Compiler Messages

```
TollRoad.java:12: warning: [unchecked] unchecked conversion
    private HashMap<String, CustomerAccount> accountHM = new HashMap();
                                           ^
    required: HashMap<String, CustomerAccount>
    found:    HashMap
1 warning
```

Application Invocation

```
javaw.exe tollroad.program.TollRoadMain
```

Messages to STDOUT

```
OE080QF : 900 added successfully
CJ65DVB : 600 added successfully
UJ12CRW : 900 added successfully
KR60XNS : Trip completed successfully
ZM02EUX : Trip completed successfully
CE02ESF : Trip completed successfully
JT11YMK : Could not find customer
L017FFK : Trip completed successfully
GV14RRM : Trip completed successfully
ZR60JGI : makeTrip failed. Insufficient funds
GP66KQL : Trip completed successfully
ZR60JGI : 4000 added successfully
GV14RRM : Trip completed successfully
QJ55HTR : Trip completed successfully
HQ09WIJ : Trip completed successfully
WQ10FZI : Could not find customer
ZR60JGI : Trip completed successfully
YS06ESV : Trip completed successfully
ZJ04XSG : Trip completed successfully
ZJ04XSG : Trip completed successfully
ZJ04XSG : 2000 added successfully
TR52YTU : Could not find customer
CJ65DVB : Trip completed successfully
OG57MWO : Could not find customer
ZQ11PMI : Could not find customer
BB14UPJ : Trip completed successfully
RD16GDY : Trip completed successfully
IL12KYE : Trip completed successfully
BQ63HWH : Could not find customer
ZR60JGI : Trip completed successfully
QM17VBV : Could not find customer
ND53BHO : Trip completed successfully
OD14STV : Trip completed successfully
CJ65DVB : Trip completed successfully
NK62WPC : makeTrip failed. Insufficient funds
HE52JEL : 500 added successfully
IL12KYE : Trip completed successfully
HI14WRW : Trip completed successfully
FL55YST : Could not find customer
```

EK02DEU : Could not find customer
JH67HRE : Trip completed successfully
LU16KLS : 1500 added successfully
RD16GDY : Trip completed successfully
HE52JEL : Trip completed successfully
HE52JEL : 1000 added successfully
HE57YSO : Trip completed successfully
NK62WPC : 15000 added successfully
CI60ESO : Could not find customer
ZJ04XSG : Trip completed successfully
YL09PTN : Trip completed successfully
VS56SYX : Trip completed successfully
OD14STV : Trip completed successfully
QJ55HTR : 900 added successfully
CE02ESF : Trip completed successfully
RD16GDY : makeTrip failed. Insufficient funds
YJ55XPM : 1000 added successfully
LU16KLS : Trip completed successfully
TY62BSA : Could not find customer
UJ12CRW : Trip completed successfully
JH67HRE : makeTrip failed. Insufficient funds
YJ55XPM : Trip completed successfully
CJ65DVB : Trip completed successfully
HQ09WIJ : 1100 added successfully
HE57YSO : Trip completed successfully
WZ14EWB : Trip completed successfully
ID08GMV : Trip completed successfully
ZM02EUX : Trip completed successfully
OZ53PUX : Trip completed successfully
QJ55HTR : Trip completed successfully
ND53BHO : 2000 added successfully
VS56SYX : Trip completed successfully
JF15BCM : Trip completed successfully
QJ55HTR : Trip completed successfully
ZD04UKP : makeTrip failed. Insufficient funds
ZD04UKP : 1500 added successfully
ZD04UKP : Trip completed successfully
ZM02EUX : Trip completed successfully
WZ14EWB : Trip completed successfully
ES66WHE : Could not find customer
VB58LNG : Could not find customer
NK62WPC : Trip completed successfully
KY09MDZ : Trip completed successfully
KR60XNS : Trip completed successfully
YJ55XPM : Trip completed successfully
HC17NRJ : Trip completed successfully
HH01VMY : Could not find customer
KY09MDZ : makeTrip failed. Insufficient funds
CJ65DVB : Trip completed successfully
FM66JPE : Trip completed successfully
NK62WPC : Trip completed successfully
CB13IIZ : Trip completed successfully
GV14RRM : Trip completed successfully
ZM02EUX : Trip completed successfully
JF15BCM : 1000 added successfully
JF15BCM : Trip completed successfully
KY09MDZ : makeTrip failed. Insufficient funds
VS56SYX : Trip completed successfully
39400

Messages to STDERR

None.