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package vehiclehireapp;

import au.edu.swin.vehicle.Vehicle;
import au.edu.swin.vehicle.VehicleType;
import java.util.ArrayList;
import java.util.Scanner;

public class VehicleHireApp {

    public static void main(String[] args) {

        // Create the vehicle types
        VehicleType sedan = new VehicleType("SEDAN", "A standard sedan", 4);
        VehicleType limo6 = new VehicleType("LIMO6", "A six seater limo", 6);
        VehicleType limo8 = new VehicleType("LIMO8", "An eight seater limo", 8);

        // Create the vehicles
        ArrayList<Vehicle> vehicles = new ArrayList();
        vehicles.add(new Vehicle("Ed's Holden Caprice", "Silver", sedan, 2002));
        vehicles.add(new Vehicle("John's Mercedes C200", "Black", sedan, 2005));
        vehicles.add(new Vehicle("Guy's Volvo 244 DL", "Blue", sedan, 1976));
        vehicles.add(new Vehicle("Sasco's Ford Limo", "White", limo6, 2014));
        vehicles.add(new Vehicle("Peter's Ford Limo", "White", limo6, 2004));
        vehicles.add(new Vehicle("Robert's Ford Limo", "White", limo8, 2003));

        System.out.println("\n\nList of vehicles in system:");
        for (Vehicle vehicle : vehicles) {
            System.out.println(vehicle);
        }

        String typeCode = args[0];

        System.out.println("\n\nList of vehicle of type " + typeCode);
        for (Vehicle vehicle : vehicles) {
            if (vehicle.getType().getCode().equals(typeCode)) {
                System.out.println(vehicle);
            }
        }

        System.out.println("It will display a list of vehicle type you choose");
        System.out.println("1: SEDAN");
        System.out.println("2: LIMO6");
        System.out.println("3: LIMO8");
        System.out.println("4: Exit");

        while (true) {
            Scanner options = new Scanner(System.in);

```

```

System.out.println("Please select an option (1-4):");
int choice = Integer.parseInt(options.nextLine());
if (choice == 1) {
    for (Vehicle vehicle : vehicles) {
        if (vehicle.getType().getCode() == "SEDAN") {
            System.out.println(vehicle.getName() + " " + vehicle.getColour() + " (" +
vehicle.getType().getDescription() + ") " + vehicle.getYear());
        }
    }
} else if (choice == 2) {
    for (Vehicle vehicle : vehicles) {
        if (vehicle.getType().getCode() == "LIMO6") {
            System.out.println(vehicle.getName() + " " + vehicle.getColour() + " (" +
vehicle.getType().getDescription() + ") " + vehicle.getYear());
        }
    }
} else if (choice == 3) {
    for (Vehicle vehicle : vehicles) {
        if (vehicle.getType().getCode() == "LIMO8") {
            System.out.println(vehicle.getName() + " " + vehicle.getColour() + " (" +
vehicle.getType().getDescription() + ") " + vehicle.getYear());
        }
    }
} else if (choice == 4)
{
    System.exit(0);
}
}
}

```

Output - VehicleHireApp (run) x



run:

List of vehicles in system:

Ed's Holden Caprice Silver (A standard sedan) 2002
John's Mercedes C200 Black (A standard sedan) 2005
Guy's Volvo 244 DL Blue (A standard sedan) 1976
Sasco's Ford Limo White (A six seater limo) 2014
Peter's Ford Limo White (A six seater limo) 2004
Robert's Ford Limo White (An eight seater limo) 2003

List of vehicle of type SEDAN

Ed's Holden Caprice Silver (A standard sedan) 2002
John's Mercedes C200 Black (A standard sedan) 2005
Guy's Volvo 244 DL Blue (A standard sedan) 1976

It will display a list of vehicle type you choose

1: SEDAN

2: LIM06

3: LIM08

4: Exit

Please select an option (1-4):

1

Ed's Holden Caprice Silver (A standard sedan) 2002
John's Mercedes C200 Black (A standard sedan) 2005
Guy's Volvo 244 DL Blue (A standard sedan) 1976

Please select an option (1-4):

2

Sasco's Ford Limo White (A six seater limo) 2014
Peter's Ford Limo White (A six seater limo) 2004

Please select an option (1-4):

3

Robert's Ford Limo White (An eight seater limo) 2003

Please select an option (1-4):

4

BUILD SUCCESSFUL (total time: 13 seconds)