



THE UNIVERSITY
OF THE
WEST INDIES

OBJECT ORIENTED PROGRAMMING 1

Lab 2 Feedback Report

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Lab 2 Part 1 tests:

Running StationSimulation Main...

- ✓ StationSimulation ran successfully.
- ✗ Error in createVehicle Method: StationSimulation.createVehicle([Ljava.lang.String;)
- ✗ Error in serviceVehicle Method: StationSimulation.serviceVehicle(Vehicle,FuelStation)

Lab 2 Part 2 tests:

- ✓ Class Vehicle exists.
- ✓ Constructor for Vehicle(int, int, int) exists.
- ✓ Method toString() exists in Vehicle class.
- ✓ Constructor correctly initializes a vehicle with dimensions (10, 10, 10).
- ✓ Constructor correctly initializes a vehicle with dimensions (15, 15, 15).
- ✗ toString() method failed for vehicle with dimensions (10, 10, 10).

Expected: VEHICLE TANK CAPACITY: 1000 FUEL TYPE: gasoline

Got: VEHICLE TANK CAPACITY: 1000 FUEL TYPE: gasoline

- ✗ toString() method failed for vehicle with dimensions (15, 15, 15).

Expected: VEHICLE TANK CAPACITY: 3375 FUEL TYPE: diesel

Got: VEHICLE TANK CAPACITY: 3375 FUEL TYPE: diesel

Lab 2 Part 3 tests:

Test: Default Constructor

- ✓ Default constructor initializes all attributes correctly.

Test: toString Method

- ✗ The toString method output is incorrect.

Expected: FUEL: gasoline VOL: 75000.0L PRICE PER L: \$2.0 SALES: \$0.0

Got: TYPE: gasoline VOL: 75000.0L Price Per L: 2.0 Sales : 0.0

Test: Private sellFuel Method

- ✓ sellFuel method works as expected.

Test: canDispenseFuelType Method

- ✓ canDispenseFuelType method works correctly.

Test: dispense Method

❌ dispense method did not update fuelVolume correctly.

Expected remaining fuel: 70000.0

Got: 65000.0