THE UNIVERSITY OF THE WEST INDIES

OBJECT ORIENTED PROGRAMMING 1

Lab 3 Feedback Report

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Lab 3 Part 1 tests:

=== Test: Fields and Modifiers ===
✓ 'plateID' field is declared correctly (private String).
✓ 'plateNumberCounter' field is declared correctly (private static int).
✓ 'vehicleClassification' field is declared correctly (private int).

=== Test: 3-Arg Constructor ===
✓ 3-arg constructor correctly computed tankCapacity (24).
✓ 3-arg constructor sets correct fuelType ('gasoline').

=== Test: 4-Arg Constructor ===
✓ 4-arg constructor correctly computed tankCapacity (210).
✓ 4-arg constructor sets correct vehicleClassification (1).

=== Test: toString Method ===
✗ toString() does not contain expected details. Got:
VEHICLE TANK CAPACITY: 24 FUEL TYPE: gasoline Plate ID: TAB03Vehicle Classification: 3

=== Test: Vehicle Classification ===
✓ classification=1 => Motorcycle as expected.
✓ classification=4 => Heavy Motor Vehicle as expected.
✓ classification=2 => defaulted to 3 as expected.

=== Test: equals(Object) ===
✓ A vehicle equals itself.
✓ Two distinct vehicles have different plateIDs => equals returned false.

Lab 3 Part 2 tests:

=== Test: Fields and Modifiers ===
✓ 'name' field is correctly declared (private String).
✓ 'vehicle1' field is correctly declared (private Vehicle).
✓ 'vehicle2' field is correctly declared (private Vehicle).

=== Test: Constructor ===
✓ Constructor correctly assigns the name.
✓ Constructor correctly initializes vehicle1 and vehicle2 to null.

=== Test: getName() ===
✓ getName() returns correct name.

=== Test: addVehicle() ===
✓ addVehicle() correctly assigns vehicles.
=== Test: canDrive() ===
✗ Error: Could not test canDrive(). VehicleDriver.canDrive(Vehicle)

Lab 3 Part 3 tests:

=== Test: Methods in StationSimulation ===
✓ getRandomNumber(int, int) method exists and returns int.
✓ main(String[] args) method exists.
=== Test: Random Number Generation ===
✓ getRandomNumber(int, int) correctly generates numbers within range.
=== Test: Simulation Behavior ===
✓ Driver 'Lou' correctly assigned 2 vehicles.
✓ Driver 'Sue' correctly assigned 2 vehicles.
✓ Driver 'Drew' correctly assigned 2 vehicles.
✓ Driver 'Koo' correctly assigned 2 vehicles.
✓ Driver 'Murphy' correctly assigned 2 vehicles.