Aidan Duffy

MET CS 665

Boston University

Assignment 6, Task 1: Description of Refactors

**Refactoring Examples**

**Example #1: Rename Methods**

I renamed several of the methods relating to the observer software design pattern that did not fully explain the function of those methods, specifically update() in the Driver class (which is now updateDriverJobStatus) and notifyObservers in the Delivery Request class (which is now notifyDrivers). These names more accurately describe the function of these methods.

**Example #2: Extract Methods**

I extracted many of the large blocks of code in the main method into separate helper functions, which is what I actually ended up doing in later HW assignments. This helps readability, simplicity, and ease of use for debugging. The new extract functions are getShop(),getDriverId(),getShopId() in the MainAssignment.java file.

**Example #3: Consolidate Duplicate Conditional Fragments**

In several methods which utilize a number of conditional statements, notifyDrivers for example, contained duplicate code which I refactored to minimize the redundant code, the benefit being code deduplication.