

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.