COSC 603

Software Maintenance & Testing

Spring 2016

**Project #2 – Refactoring and Design Smells**

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**Task 9 – Refactoring: Extracting a Method from Code.** ***For this task, briefly describe your experience with this task including the method signature you extracted and why you chose this one.***

Answer:

Following the steps described in the Task 9 was straight forward. It was challenging to decide what method signature to use. The original method was not too large; it did not do two or more logically distinct operations; it only calculated rents based on owner’s properties. However, calculating the monopoly rent logic can be reused in other parts of the program by different methods, thus extracting this part of the code and place them in a separate method has sense.

I used second method signature by highlighting the for loop as well as the preceding String array declaration There is no need to pass a subpart of same class as a parameter to their own method, thus the second signature seemed more appropriate to use.