

**COSC 330 Final Exam - Refactoring Task****Name(s):**

(Due date: Demonstrate to your instructor no later than 12/12. Make sure you store the code for each phase and step in GitHub.)

Task to be completed	Completion Date
Phase 0. Go over the JUnit Tutorial from the link: <a href="https://www.tutorialspoint.com/junit/junit_extensions.htm">https://www.tutorialspoint.com/junit/junit_extensions.htm</a> or Junit tutorial video: <a href="#">JUnit Tutorial For Beginners For 2022   Java Unit Test Eclipse   Mockito JUnit Tutorial   Simplilearn - YouTube</a>	11/30
Phase 1. Download the Video Rental Original Java Code and create JUnit test code to make sure everything works <a href="https://github.com/tobyweston/Refactoring-Chapter-1">https://github.com/tobyweston/Refactoring-Chapter-1</a> (Make sure to start with the initial code, e.g., not refactored code!!) Click here to <a href="#">download</a> a copy of the Refactoring book by Fowler. <b>Upload Phase 1 code (including the test code) to Github.</b>	12/4
Phase 2. Complete the 15 refactoring steps by following the following exercises: <a href="https://www.ge.infn.it/geant4/training/APC2017/exercise.html">https://www.ge.infn.it/geant4/training/APC2017/exercise.html</a> for instructions or <a href="https://www.ge.infn.it/geant4/training/APC2017/UML/index.html">https://www.ge.infn.it/geant4/training/APC2017/UML/index.html</a> for UML diagram	
Step 1: Decomposing and Redistributing the Statement Method <b>Upload Phase 2 – Step 1 code (including the test code) to Github.</b>	12/4
Step 2: Renaming Variables <b>Upload Phase 2 – Step 2 code (including the test code) to Github.</b>	12/4
Step 3: Move Method <b>Upload Phase 2 – Step 3 code (including the test code) to Github.</b>	12/4
Step 4: Replace Temp with Query <b>Upload Phase 2 – Step 3 code (including the test code) to Github.</b>	12/4
Step 5: Extracting Frequent Renter Points <b>Upload Phase 2 – Step 5 code (including the test code) to Github.</b>	12/5
Step 6: Removing Temps <b>Upload Phase 2 – Step 6 code (including the test code) to Github.</b>	12/5
Step 7: Still about removing temps <b>Upload Phase 2 – Step 7 code (including the test code) to Github.</b>	12/5
Step 8: Adding new functionality <b>Upload Phase 2 – Step 8 code (including the test code) to Github.</b>	12/5
Step 9: Replacing the Conditional Logic on Price Code with Polymorphism <b>Upload Phase 2 – Step 9 code (including the test code) to Github.</b>	12/5
Step 10: Still about replacing the Conditional Logic with Polymorphism <b>Upload Phase 2 – Step 10 code (including the test code) to Github.</b>	12/5
Step 11: Inheritance <b>Upload Phase 2 – Step 11 code (including the test code) to Github.</b>	12/5
Step 12: Adding new classes <b>Upload Phase 2 – Step 12 code (including the test code) to Github.</b>	12/5
Step 13: Move Method	12/5

<b>Upload Phase 2 – Step 13 code (including the test code) to Github.</b>	
Step 14: Replace Conditional with Polymorphism <b>Upload Phase 2 – Step 14 code (including the test code) to Github.</b>	12/5
Step 15: Complete the final refactoring <b>Upload Phase 2 – Step 15 code (including the test code) to Github.</b>	12/5
Phase 3. Make appointment with the instructor to demo your work and upload the link to your Git for this and this document with dates for completing each task via Canvas.	demoed on 12/7

link to Refactoring Repository: <https://github.com/Nusse0712/COSC330Refactoring>