

Import the following repository into eclipse: <https://github.com/prmr/COMP303Starter>.

labtest01 will be your starting source code for this test.

Task 0: show me how to use Eclipse debugger (set breakpoint, step, see the value of a certain variable, etc)

Task 1: Use Design-by-Contract to ensure that when no items exist in the inventory, items can not be “disposed”.

Task 2: Change Inventory to be an interface. Create two classes FrontInventory and BackInventory that implements that interface.

Task 3: Make Item class implementing the Comparable interface. The comparison is done by price.

Make sure that your environment/IDE works. We might not be able to solve these problems due to time constraints.

You can use any notes/online ressources including Google, StackOverflow, etc. You can NOT discuss with others.

You can ask clarification questions. You can ask for hint or guidelines with your points reduced.

Lab test is 1 hour. Once you finish the work (or some tasks) you should tell me to come for evaluation. The evaluation may exceed one hour and you are allowed to keep working as far as I have not finished evaluation. Once the evaluation for everyone is done I reserve the right to stop the test after 1 hour.