Student: Please answer the questions, then use the Insert, Screenshot option in Word to snip an appropriate sample of your program’s acceptance by the check tool. Copy the code from your .java file into the code section below. Your code should match the code submitted to the acceptance tool.

Be sure to review your graded assignment for instructor comments!

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| **Analysis** |
| *Describe the problem, including input and output, in your own words* |
| This project asked us to create a program that would manage the inventory production for a company. It had four basic functions: creating items, searching for items, updating items, and listing items. It also needed a function to be able to terminate the program. Based off the user’s input, the corresponding function should run and then repeat the prompt until termination. |

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| **Design** |
| *Describe the major steps for problem solving* |
| The final project instructions included a UML as well as a layout of what the application should display. This along with a detailed list of items each class should do, and a bit of guidance, made the design for the project very simple. I followed the instructions and started off working on each class individually and then tying them all at the end. Splitting all of it up into smaller sections made the progress quicker and let me get to testing faster. |

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| **Testing** |
| *Describe your test plan* |
| As far as testing went, I followed the format of the design. Once I developed the code for a method, I would test it to ensure it was functioning properly. After the first method worked, I started on the second one and then made sure that the second one functioned correctly. After that was verified, I had to ensure that the first and second could work together, simultaneously. I continued this pattern until I had a completed project. |

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| **Screenshot(s)** |
| *Paste screen shot(s) here, within this table entry* |
| Please refer to code since it is quite extensive. |

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| **Code** |
| *Paste code here, within this table entry. Use the retain formatting option of the Paste* |
| Please refer to code since it is quite extensive. |