

## Criterion A: Planning

### Part 1:

The client is having trouble keeping track of what tools he has. He also needs a way to be able to know how much of a certain product he has at any given moment so that he can purchase more if necessary. After consulting with him, I suggested that I code a program that can keep track of what tools he has and how much of a certain product he has left.

### Part 2:

My program will keep track of what tools and products the client uses or adds to his garage. My program will be able to add, remove, or print the inventory so that he can keep track of what is inside of his garage. I will be using Java so that I can easily sort items into arrays and easily be able to check the inventory or a certain item.

### Part 3:

1. Client needs to be able to add and remove items from the inventory
2. Client needs to view how much of a certain item/product is present/left
3. Client needs to be able to print the entire inventory.
4. Program needs to be able to search the inventory for any duplicates when adding; if there are, needs to increase that quantity and not add another item.
5. Program needs to be to warn the client to purchase more product if product is equal to or less than 1.