ME1101

LAB 13 INVENTORY

Inventory Control program. The goal is to write a set of Sub-programs to do specific tasks. The code will reside in the INVENTORY.xlsm file. You can use forms, macros, and command buttons for this lab.

Forms are not required so MAC users have no penalty.

At a high level your program is required to do the following tasks:

1. Receive parts
   1. Given a PN and quantity
   2. Find the matching PN.
   3. Add the received parts to the current quantity
2. Pull parts
   1. Given a PN and quantity
   2. This is to take parts out of inventory for manufacturing and adjust the quantity in inventory
   3. Find the PN to be pulled
   4. Remove the pull quantity from inventory by reducing the quantity in inventory by the pulled amount. (ASSUME the quantity is never more than is in stock).
3. Compute total dollar value of inventory. This must be a ***function***.

Requirements:

1. Using one Command button, write a program that communicates with the user and call a Sub for Receive, a Sub for pull, and a function for Inventory cost. If you use form the form will replace the user data collection and option buttons or command buttons will perform the 2 sub processes. For inventory, the option or command button will need to call the function.
2. Write a separate Subroutine or Function (Function would be required for Item 3) to accomplish each of the Items 1, 2, or 3 above. So at least 2 Subroutines and one Function.

EXTRA CREDIT (10)

1. For Received parts, allow for parts that are not in inventory. So you must add a line and create a 7 digit location number.
2. For Pulled parts, Allow for removing all parts in inventory and therefore removing that line form the inventory spreadsheet.

HINT: think about Range.Sort IN RANGES\_SUB.xlsm. Blank lines fall to the bottom and change the range of the array.