**Manage Parts Inventory**

Do the following while userChoice is not 6

Get Choice

Perform Choice

**Get Choice**

Do the following while userChoice is not 1 and 2 and 3 and 4 and 5 and 6

Display “What would you like to do: Look-up a part [1], Add a new part to the inventory

[2], Print the entire inventory [3], Delete a part from the inventory [4], Modify a part in the inventory [5], or Quit [6]? “ to user

Get userChoice from user

**Perform Choice**

When userChoice is 1

Display Information of a Specific Part

When userChoice is 2

Add Part to Inventory

When userChoice is 3

Print Inventory

When userChoice is 4

Delete a Part from Inventory

When userChoice is 5

Modify a Part in Inventory

**Display Information of a Specific Part**

Get Part ID Number

Display Part Report Heading for Matching Part

Process Each Part for ID Number from File

**Get Part ID Number**

Display “Enter part ID number: “ to user

Get userPartIDNumber from user

**Display Part Report Heading for Matching Part**

Display “Description of Part Found “, “Cost “, “Price “, “Weight “, “Location “, “Quantity“ to

user

**Process Each Part for ID Number from File**

Do the following for each part in the parts inventory

Get Part Information from File

Display Part Summary for Matching Part

**Get Part Information from File**

Get partIDNumber from file

Get partDescription from file

Get partCost from file

Get partPrice from file

Get partWeight from file

Get partLocation from file

Get partQuantity from file

**Display Part Summary for Matching Part**

When userPartIDNumber = partIDNumber

Display partDescription, partCost, partPrice, partWeight, partLocation, partQuantity to

user

**Add Part to Inventory**

Get Part Information

Append Part Information to File

**Get Part Information**

Display “Enter Part ID Number: “ to user

Get newPartIDNumber from user

Display “Enter Part Description: “ to user

Get newPartDescription from user

Display “Enter Part Cost: “ to user

Get newPartCost from user

Display “Enter Part Price: “ to user

Get newPartPrice from user

Display “Enter Part Weight: “ to user

Get newPartWeight from user

Display “Enter Part Location: “ to user

Get newPartLocation from user

Display “Enter Part Quantity: “ to user

Get newPartQuantity from user

**Append Part Information to File**

Append newPartIDNumber to file

Append newPartDescription to file

Append newPartCost to file

Append newPartPrice to file

Append newPartWeight to file

Append newPartLocation to file

Append newPartQuantity to file

**Print Inventory**

Display Part Report Heading

Process Each Part from File

**Display Part Report Heading**

Display “Part ID Number”, “Part Description”, “Cost”, “Price”, “Weight”, “Location”, “Quantity”

to user

**Process Each Part from File**

Do the following for each part in the parts inventory

Get Part Information from File

Display Part Summary

**Display Part Summary**

Display partIDNumber, partDescription, partCost, partPrice, partWeight, partLocation,

partQuantity to user

**Delete a Part from Inventory**

Get Part ID Number

Process Each Part for Deletion from File

**Process Each Part for Deletion from File**

Do the following for each part in the parts inventory

Get Part Information from File

Store Non-Matching Parts in New File

**Store Non-Matching Parts in New File**

When userPartIDNumber is not equal to partIDNumber

Append partIDNumber to new file

Append partDescription to new file

Append partCost to new file

Append partPrice to new file

Append partWeight to new file

Append partLocation to new file

Append partQuantity to new file

**Modify a Part in Inventory**

Get Part ID Number

Process Each Part for Modification from File

**Process Each Part for Modification from File**

Do the following for each part in the parts inventory

Get Part Information from File

Modify Matching Part

Store Part Information to New File

**Modify Matching Part**

When userPartIDNumber = partIDNumber

Display “Enter New Part ID Number: “ to user

Get partIDNumber from user

Display “Enter New Part Description: “ to user

Get partDescription from user

Display “Enter New Part Cost: “ to user

Get partCost from user

Display “Enter New Part Price: “ to user

Get partPrice from user

Display “Enter New Part Weight: “ to user

Get partWeight from user

Display “Enter New Part Location: “ to user

Get partLocation from user

Display “Enter New Part Quantity: “ to user

Get partQuantity from user

**Store Part Information to New File**

Append partIDNumber to new file

Append partDescription to new file

Append partCost to new file

Append partPrice to new file

Append partWeight to new file

Append partLocation to new file

Append partQuantity to new file