**Perform Billing**

Get Product Information

Get User Choice

Perform User Choice

**Get Product Information**

Get product1Description from File

Get product1Price from File

Get product2Descritpion from File

Get product2Price from File

Get product3Description from File

Get product3Price from File

**Get User Choice**

Display “Generate Bill[1] or Change Prices[2]?: “ to user

Get userChoice from user

**Perform User Choice**

When userChoice is 1

Generate Bill

When userChoice is 2

Change Prices

**Generate Bill**

Get Customer Information

Get Product Quantities

Calculate Extended Costs

Calculate Subtotal

Calculate Tax

Calculate Total

Display Bill

**Get Customer Information**

Display “Enter Customer Name: “ to user

Get customerName from user

Display “Enter Customer Street Address: “ to user

Get customerStreetAddress from user

Display “Enter City, State, Zip: “ to user

Get customerCityStateZip from user

**Get Product Quantities**

Display “Enter Quantity of “, product1Description, “ (“, product1Price, “): “ to user

Get product1Quantity from user

Display “Enter Quantity of “, product2Description, “ (“, product2Price, “): “ to user

Get product2Quantity from user

Display “Enter Quantity of “, product3Description, “ (“, product3Price, “): “ to user

Get product3Quantity from user

**Calculate Extended Costs**

Set product1ExtendedCost to product1Price \* product1Quantity

Set product2ExtendedCost to product2Price \* product2Quantity

Set product3ExtendedCost to product3Price \* product3Quantity

**Calculate Subtotal**

Set subtotal to product1ExtendedCost + product2ExtendedCost + product3ExtendedCost

**Calculate Tax**

Set tax to subtotal \* 0.08

**Calculate Total**

Set total to subtotal + tax

**Display Bill**

Display “MIRACLE TOOLS” to user

Display “When it’s a good tool, it’s a MIRACLE!” to user

Display customerName to user

Display customerStreetAddress to user

Display customerCityStateZip to user

Display “Tool”, “Price”, “Quantity”, “Extended Cost”

When product1Quantity > 0

Display product1Description, product1Price, product1Quantity, product1ExtendedCost

When product2Quantity > 0

Display product2Description, product2Price, product2Quantity, product2ExtendedCost

When product3Quantity > 0

Display product3Description, product3Price, product3Quantity, product3ExtendedCost

Display “Subtotal: “, subtotal to user

Display “Tax (8.0%): “, tax to user

Display “Total: “, total to user

**Change Prices**

Get New Prices

Create Updated Price File

**Get New Prices**

Display “ Enter New Price for “, product1Description, “ (“, product1Price, “): “ to user

Get product1Price from user

Display “ Enter New Price for “, product2Description, “ (“, product2Price, “): “ to user

Get product2Price from user

Display “ Enter New Price for “, product3Description, “ (“, product3Price, “): “ to user

Get product3Price from user

**Create Updated Price File**

Store product1Description to File

Store product1Price to File

Store product2Description to File

Store product2Price to File

Store product3Description to File

Store product3Price to File