**Manage Sales**

Get User Choice

Perform User Choice

**Get User Choice**

Display “What would you like to do: Generate commission report [1], add a sale to sales log [2],

or generate commission statement [3]? “ to user

Get userChoice from user

**Perform User Choice**

When userChoice is 1

Generate Commission Report

When userChoice is 2

Add Sale to Sales Log

When userChoice is 3

Generate Commission Statement

**Generate Commission Report**

Get Report Parameters

Display Report Headings

Process Each Sale for Report

Display Total Sales

**Get Report Parameters**

Display “Enter name of the salesperson: “ to user

Get sName from user

Display “Enter month: “ to user

Get sMonth from user

Display “Enter year: “ to user

Get sYear from user

**Display Report Headings**

Display “Name of salesperson: “, “Date of sale: “, “Customer name: “, “Quantity of item sold:

“, “Name of item sold: “, “Price per item: “, “Extended price of sale: “ to user

**Process Each Sale for Report**

Do the following for each sale in the sales log

Get Sale Information from File

Calculate Extended Cost

Update Total Sales

Display Sale Summary Line

**Get Sale Information from File**

Get fileSName from file

Get fileSMonth from file

Get fileSDay from file

Get fileSYear from file

Get customerName from file

Get itemSoldQuantity from file

Get itemSoldName from file

Get itemPrice from file

**Calculate Extended Cost**

Set extendedCost to itemPrice \* itemSoldQuantity

**Update Total Sales**

When fileSName = sName and fileSMonth = sMonth and fileSYear = sYear

Set totalSales to totalSales + extendedCost

**Display Sale Summary Line**

When fileSName = sName and fileSMonth = sMonth and fileSYear = sYear

Display fileSName, sMonth, fileSDay, sYear, customerName, itemSoldQuantity,

itemSoldName, itemPrice, extendedCost to user

**Display Total Sales**

Display “Total sales: “, totalSales to user

**Add Sale to Sales Log**

Get New Sale Information

Append New Sale Information to Sales Log

**Get New Sale Information**

Display “Enter name of salesperson: “ to user

Get newSName from user

Display “Enter month of sale: “ to user

Get newSMonth from user

Display “Enter day of sale: “ to user

Get newSDay from user

Display “Enter year of sale: “ to user

Get newSYear from user

Display “Enter customer name: “ to user

Get newCustomerName from user

Display “Enter quantity of item sold: “ to user

Get newItemSoldQuantity from user

Display “Enter name of item sold: “ to user

Get newItemSoldName from user

Display “Enter price per item: “ to user

Get newItemPrice from user

**Append New Sale Information to Sales Log**

Append newSName to file

Append newSMonth to file

Append newSDay to file

Append newSYear to file

Append newCustomerName to file

Append newItemSoldQuantity to file

Append newItemSoldName to file

Append newItemPrice to file

**Generate Commission Statement**

Get Report Parameters

Process Each Sale for Statement

Determine Commission Rate

Calculate Commission

Display Commission Statement

**Process Each Sale for Statement**

Do the following for each sale in the sales log

Get Sale Information from File

Calculate Extended Cost

Update Total Sales

**Determine Commission Rate**

When totalSales < 10000

Set commissionRate to 0.052

When totalSales >= 10000 and totalSales <= 50000

Set commissionRate to 0.065

When totalSales > 50000

Set commissionRate to 0.079

**Calculate Commission**

Set commission to totalSales \* commissionRate

**Display Commission Statement**

Display “Total of sales: “, totalSales to user

Display “Commission rate: “, commissionRate to userDisplay “Commission amount: “, commission to user