**Manage Phone List**

Load Phone List

Perform Each Task

Save Phone List

**Load Phone List**

Do the following for each entry in the phone list file while the list is not full

Get current name from file

Get current office from file

Get current phone from file

**Perform Each Task**

Do the following while userChoice is not ‘F’

Get Choice

Perform Choice

**Get Choice**

Do the following while userChoice is not ‘A’ and ‘B’ and ‘C’ and ‘D’ and ‘E’ and ‘F’

Display “What would you like to do: Add an entry [A], Display a specific entry [B], Delete

an entry [C], Modify an entry [D], Display all entries [E], or Quit and save the phone list [F]? “ to user

Get userChoice from user

**Perform Choice**

When userChoice is ‘A’

Add Entry

When userChoice is ‘B’

Display One Entry

When userChoice is ‘C’

Delete Entry

When userChoice is ‘D’

Modify Entry

When userChoice is ‘E’

Display All Entries

**Add Entry**

When the phone list is not full

Display “Enter name: “ to user

Get new name from user

Display “Enter office location: “ to user

Get new office from user

Display “Enter phone number: “ to user

Get new phone from user

**Display One Entry**

Get Name

Display Heading

Search for Matching Name

Display Matching Entry

**Get Name**

Display “Enter name to search: “ to user

Get searchName from user

**Display Heading**

Display “Name”, “Office Location”, “Phone Number” to user

**Search for Matching Name**

Search the names for the searchName

**Display Matching Entry**

When searchName is found

Display corresponding name, corresponding office, corresponding phone to user

**Delete Entry**

Get Name

Search for Matching Name

Perform Deletion

**Perform Deletion**

When searchName is found

Delete corresponding name

Delete corresponding office

Delete corresponding phone

**Modify Entry**

Get Name

Search for Matching Name

Perform Modification

**Perform Modification**

When searchName is found

Display “Enter new name: “ to user

Get corresponding name from user

Display “Enter new office location: “ to user

Get corresponding office from user

Display “Enter new phone number: “ to user

Get corresponding phone from user

**Display All Entries**

Display Heading

Display Entry Summary

**Display Entry Summary**

Do the following for each entry in the unsaved phone list

Display current name, current office, current phone to user

**Save Phone List**

Do the following for each entry in the unsaved phone list

Append current name to file

Append current office to file

Append current phone to file