**Start**

**Declarations**

**Int** mainMenu = 0, librarianMenu = 0;

*// Main menu will give three options. One will be for Employees, one is for customers, and other // is to quit.*

while (mainMenu != 3)

{

do

{

cout << acmeDisplay()

<< “1. Librarian Log-in\n”

<< “2. Look for Books\n”

<< “3. Quit\n”;

cin >> mainMenu;

if (mainMenu != 1 & mainMenu != 2 & mainMenu != 3)

cout << “Invalid input. Please try again.\n”;

} while (mainMenu != 1 & mainMenu != 2 & mainMenu != 3) *// End do while*

if (mainMenu == 3)

**break**;

if (mainMenu == 1)

{

cout << acmeDislpay()

<< librarianMenu();

cin >> librarianMenu;

} *// End if (mainMenu == 1)*

If (mainMenu == 2)

{

cout << acmeDislpay()

<< customerMenu();

} *// End if (mainMenu == 2)*

} *//End while(mainMenu != 3)*

**Stop**

string acmeDisplay()

{

cout << “==========================================\n”

<< “ ACME LIBRARY\n”

<< “==========================================\n\n”;

} *// End acmeDisplay*

String librarianMenu()

{

cout << “1. Register new Patrons\n”

<< “2. Checkout patrons\n”

<< “3. Lookup books\n”

<< “4. Restock books\n”

<< “5. Order new books\n\n”;

} *//End librarianMenu*

String customerMenu()

{  
 cout << “1. Find book\n”

<< “2. Log-in\n\n”;

} *// End customerMenu*