Globals:

CONSTANT MAX\_BOOKS = 20

GLOBAL ARRAYS:

bookTitle[MAX\_BOOKS]

isbn[MAX\_BOOKS]

author[MAX\_BOOKS]

publisher[MAX\_BOOKS]

dateAdded[MAX\_BOOKS]

qtyOnHand[MAX\_BOOKS]

wholesale[MAX\_BOOKS]

retail[MAX\_BOOKS]  
  
Main menu:

LOOP until Exit

DISPLAY Main Menu

GET choice

VALIDATE choice

SWITCH choice

CASE 1: cashier()

CASE 2: invMenu()

CASE 3: reports()

CASE 4: bookInfo()

CASE 5: Exit

END LOOP  
  
Cashier Module:   
DO

DISPLAY Cashier header

GET Date, ISBN, Title, Quantity, Price

CALCULATE subtotal = Quantity \* Price

CALCULATE Tax = subtotal \* 0.06

CALCULATE Total = subtotal + Tax

DISPLAY receipt

ASK Buy another book? (Y/N)

WHILE Y or y

DISPLAY Thank you message   
  
Inventory Menu:  
DO

DISPLAY Inventory Menu

GET choice

VALIDATE choice

SWITCH choice

CASE 1: lookUpBook()

CASE 2: addBook()

CASE 3: editBook()

CASE 4: deleteBook()

CASE 5: Return to Main Menu

WHILE choice != 5   
  
AddBook:  
FIND first empty element in bookTitle

IF not found

DISPLAY Inventory full

RETURN

GET Book Title, ISBN, Author, Publisher, Date Added, Quantity, Wholesale, Retail

STORE values in arrays at found index

DISPLAY Book added successfully   
  
Look up Book: GET Book Title

SEARCH bookTitle

IF not found

DISPLAY Book not in inventory

RETURN

CALL bookInfo() with book data   
  
Edit Book:   
  
GET Book Title

SEARCH bookTitle

IF not found

DISPLAY Book not in inventory

RETURN

CALL bookInfo() with book data

GET field to edit

UPDATE selected field in arrays

DISPLAY Book updated successfully   
  
Delete Book:  
  
GET Book Title

SEARCH bookTitle

IF not found

DISPLAY Book not in inventory

RETURN

CALL bookInfo() with book data

ASK Are you sure? (Y/N)

IF Y or y

SET all fields in arrays to empty or 0

DISPLAY Book deleted successfully

ELSE

DISPLAY Deletion canceled   
  
Book Info:   
DISPLAY:

Serendipity Booksellers

Book Information

ISBN, Title, Author, Publisher, Date Added, Quantity-On-Hand, Wholesale, Retail   
  
Reports:  
DO

DISPLAY Report Menu

GET choice

VALIDATE choice

SWITCH choice

CASE 1: repListing()

CASE 2: repWholesale()

CASE 3: repRetail()

CASE 4: repQty()

CASE 5: repCost()

CASE 6: repAge()

CASE 7: Return to Main Menu

WHILE choice != 7