

CheckOut
-m_runningTotal : double = 0 -m_booksToSell : Book[] -m_currPayment : Payment -m_currShipment : Shipment
+addBookToSale(in bookISBN : Book) -updateRunningTotal() -enterPaymentInfo(in runningTotal : double) : Payment -enterShippingInfo() : Shipment +validatePayment(in m_currPayment : Payment) : bool -updateStoreInventory(in booksToRemove : Book[]) -printReceipt(in booksSold : Book[], in currentPayment : Payment, in currentShipment : Shipment) +finishCheckOut()

Shipment
-m_shipToName -m_shipToAddress -m_shipType : int
-enterShipToName() -enterShipToAddress() -saveShipmentInfo(in *this : Shipment) +getShipToName() +getShipToAddress() +getShipType() -enterShipType() -finishEnterShipmentInfo(in doneWithShipment : bool)

Payment
-m_paymentType : int = -1 -m_paymentAmount : double = runningTotal -m_billToName : string -m_billToAddress : string -m_creditCardName : string -m_creditCardAddress : string
-enterPaymentType() +getPaymentType() : int -updatePaymentAmount(in paymentAmount : double) -enterBillToName() -enterBillToAddress() +getBillToName() +getBillToAddress() -savePaymentInfo(in *this : Payment) -finishEnterPaymentInfo(in doneWithPayment : bool)

Search
+searchByGenre(in genre : string) : Book[] +searchByAuthor(in authorName : string) : Book[] +searchByISBN(in ISBN : string) : Book[] +searchByISBN-13(in ISBN-13 : string) : Book[] +searchByTitle(in Title : string) : Book[] +searchByDate(in Date : string) : Book[] +searchByFormat(in Format : int) : Book[] +searchByEdition(in Edition : float) : Book[]

StoreInventory
-m_Inventory : Book[]
-addBooks(in booksToAdd : Book[]) -removeBooks(in booksToRemove : Book[])

WishList
-m_booksOnList : Book[]
+addBookToList(in toAdd : uint) : Book +removeBookFromList(in toRemove : uint) : Book

PreOrderList
-m_booksOnList : Book[]
+addBookToList(in toAdd : uint) : Book +removeBookFromList(in toRemove : uint) : Book

BookReview
-m_Review : string -m_ReviewAuthor : string
-setReviewText(in ReviewText : string) -setReviewAuthor(in ReviewAuthor : string) +getReviewText() : string +getReviewAuthor() : string

ShoppingCart
-m_Books : Book[]
+addToCart(in booksToAdd : Book[]) +removeFromCart(in booksToRemove : Book[]) +beginCheckOut(in booksToSell : Book[]) -checkCartValidity(in *this : ShoppingCart) : bool

Book
-m_Title : string -m_Author : string -m_ISBN : string -m_ISBN-13 : string -m_Genre : string -m_DatePublished : string -m_Format : int -m_Edition : float -m_Reviews : BookReview[] -m_Rating : float
-setTitle() -setAuthor() -setISBN() -setISBN-13() -setGenre() -setDatePublished() -setFormat() -setEdition() +getTitle() : string +getAuthor() : string +getISBN() : string +getISBN-13() : string +getGenre() : string +getDatePublished() : string +getFormat() : int +getEdition() : float +addReview(in reviewToAdd : BookReview) +addRating(in ratingToAdd : float)