CheckOut

-m_runningTotal : double = 0
-m_booksToSell : Book[]
-m_currPayment : Payment
-m_currShipment : Shipment

+addBookToSale(in bookISBN : string)
+addBookToSale(in bookISBN-13 : string)
-enterPaymentInfo(in runningTotal : double) : Payment
-enterShippingInfo() : Shipment
+validatePayment(in m_currPayment : enterPaymentInfo) : bool
-updateStoreInventory(in booksToRemove : Book[])
-printReceipt(in books : string[], 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[]

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

-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