Item

-price: double
-title: String

+Item(name: String, cost: double)

+getPrice(): Double
+getTitle(): String
+CompareTo(object: Item): Int

<<interface>>
Acceptable

+isNonEmptyString(s: String)
+isPositiveInput(d: double)

<<interface>>
java.lang.Comparable

+CompareTo()

Validator

+isNonEmptyString(s: String) : boolean
+isPositiveInput(d: double) : boolean
+isPositiveInput(I : int) : boolean
+isOutOfBounds(itemList: ArrayList, i:int): boolean

DVD

-director: String
-year: int
-dvdCode: int

+DVD(name: String, cost: double, year: int, dvdCode: int, director: String)

+getDirector(): String
+getYear(): int
+getDvdCode(): int
+getPrice(): Double
+toString(): String

Book

-author: String
-isbn: int

+getAuthor(): String
+getIsbn(): int
+getPrice(): Double
+toString(): String

AudioBook

-runningTime: double

+getPrice(): Double
+getRunningTime(): double
+toString(): String

FileIO

-userCredentials: File

+readCredentials(): boolean
+writeBackup(bookList: ArrayList<Book>, dvdList: ArrayList<DVD>): void