UML DESIGN CLASS DIAGRAMS
A representation of what methods are in what classes, and their types and variables.

Main class: TermProjectCS2336 - Public	
public - static - void	main(String[])
private - static - void	displayMainMenu method()

Customer_Section

run(ArrayList<CatalogItem>, ArrayList<CatalogItem>)	void
DisplayOptions()	void
displayArrays(ArrayList<CatalogItem>, String)	void
getTotal(ArrayList<CatalogItem>)	double
clearArray(ArrayList<CatalogItem>)	void
addCatalogItem(ArrayList<CatalogItem>, ArrayList<CatalogItem>, int)	boolean
deleteCatalogItem(ArrayList<CatalogItem>, int)	boolean

Catalog_Section

run(ArrayList<CatalogItem>, ArrayList<CatalogItem>)	void
DisplayOptions()	void
AddCatalogItem(ArrayList<CatalogItem>, int)	void
removeCatalogItem(ArrayList<CatalogItem>, int, String)	void
displayCatalogs(ArrayList<CatalogItem>, ArrayList<CatalogItem>)	void
displayCatalog(ArrayList<CatalogItem>)	void
hasUniqueID(ArrayList<CatalogItem>, int)	boolean

UseFile

login(String, String)	boolean
createFile(ArrayList<CatalogItem>, ArrayList<CatalogItem>, String)	void

CatalogItem

f 🔒	title	String
f 🔒	price	double
m	CatalogItem()	
m	CatalogItem(String, double)	
m	toString()	String
m	getID()	int
m	getTitle()	String
m	getPrice()	double
m	compareTo(CatalogItem)	int

Book

f 🔒	author	String
f 🔒	ISBN	int
m	Book()	
m	Book(String, double, String, int)	
m	toString()	String
m	getAuthor()	String
m	getID()	int

DVD

f 🔒	director	String
f 🔒	year	int
f 🔒	dvdcode	int
m	DVD(String, double, String, int, int)	
m	toString()	String
m	getID()	int
m	getYear()	int
m	getDirector()	String

AudioBook

f 🔒	runningTime	double
m	AudioBook(String, double, String, int, double)	
m	getPrice()	double
m	getRunningTime()	double
m	toString()	String

Acceptable

m	isNonEmptyString(String)	boolean
m	isPositiveInput(double)	boolean
m	isPositiveInput(int)	boolean

Validator

f 🔒	input	Scanner
f 🔒	check	Validator
m	isNonEmptyString(String)	boolean
m	isPositiveInput(double)	boolean
m	isPositiveInput(int)	boolean
m	getString(String)	String
m	getDouble(String)	double
m	getInt(String)	int