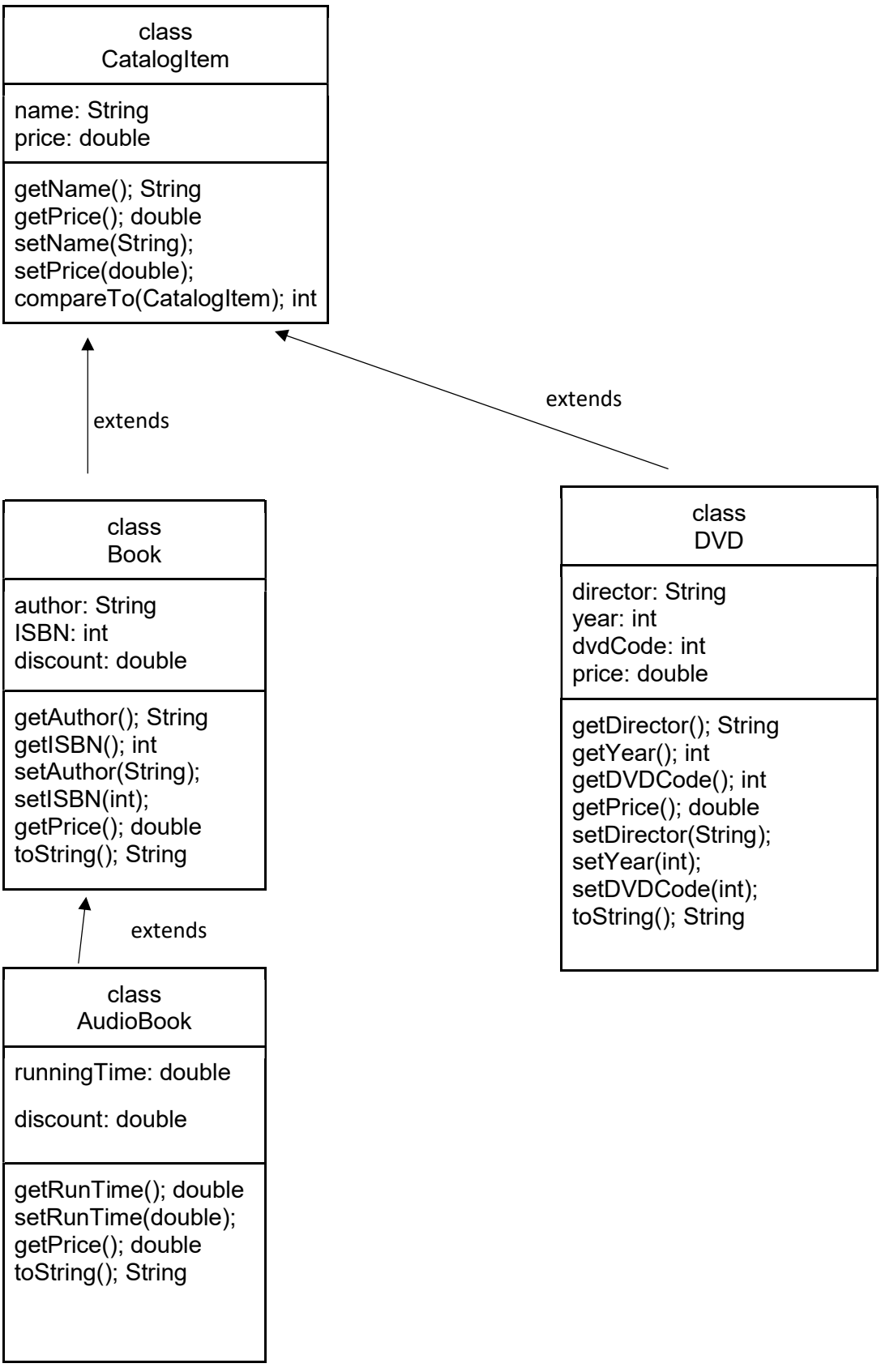
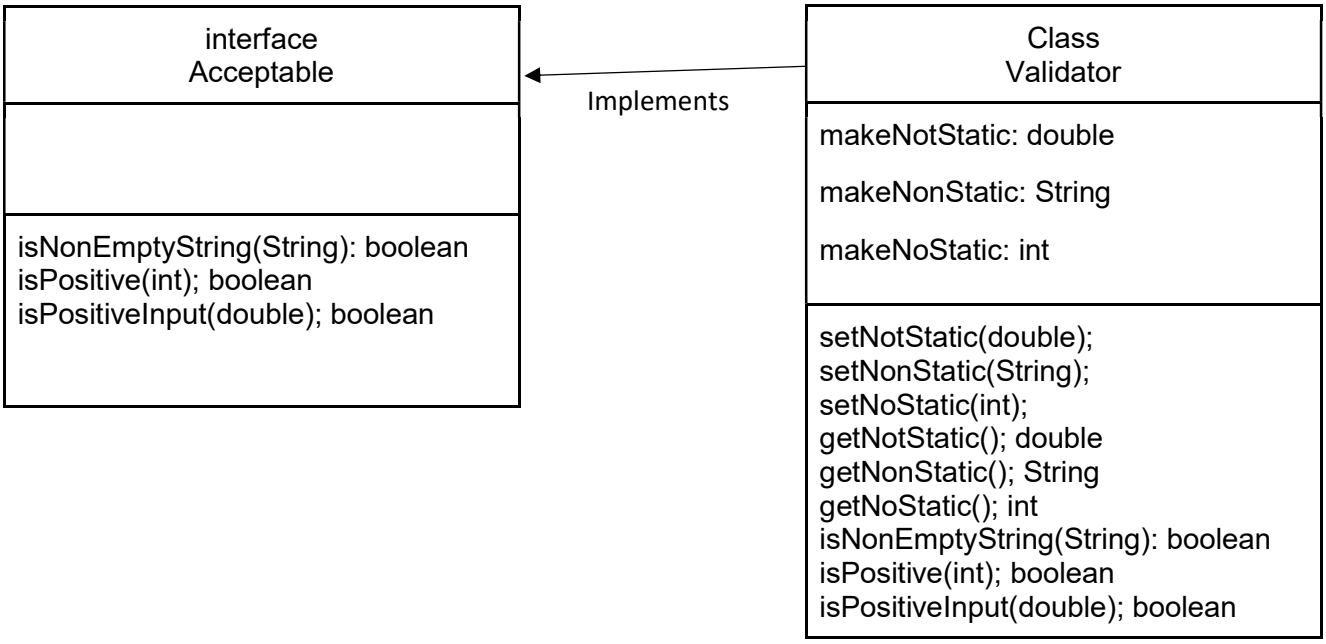
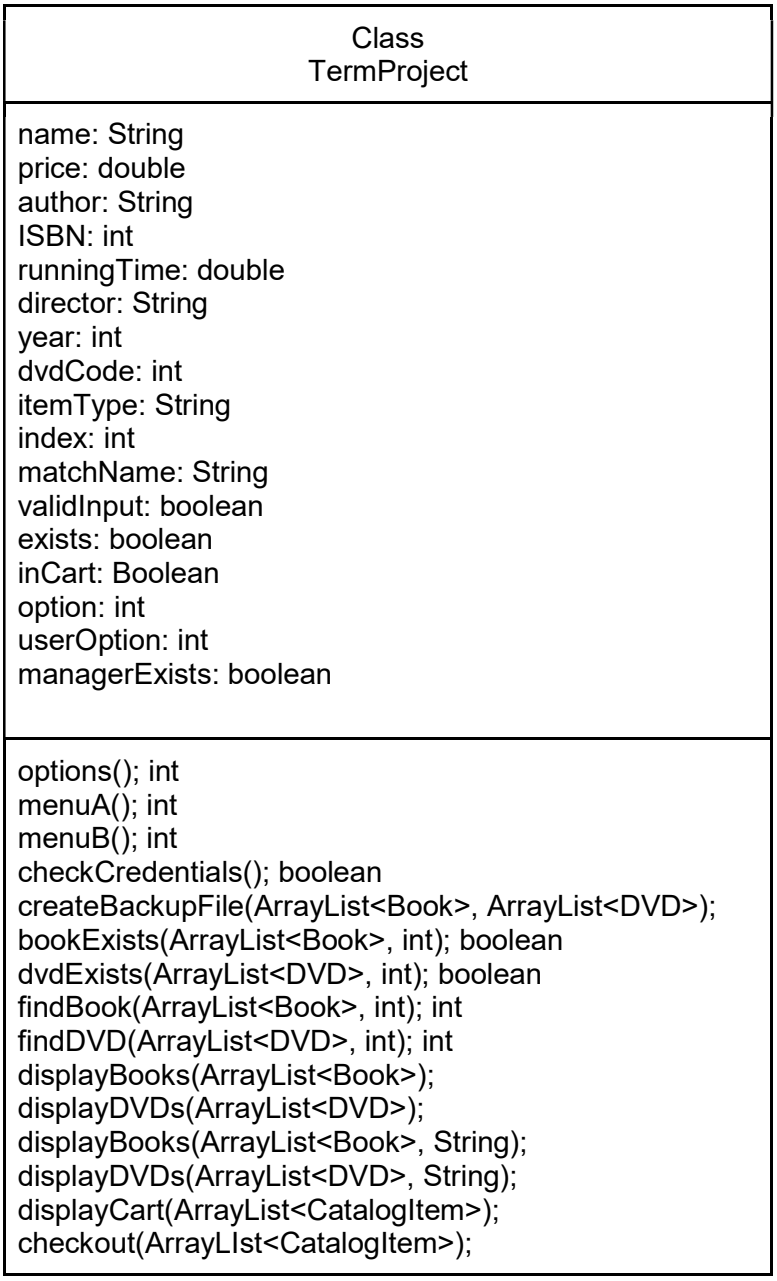

class
CatalogItem
name: String
price: double
getName(); String
getPrice(); double
setName(String);
setPrice(double);
compareTo(CatalogItem); int
extends
extends
class
Book
author: String
ISBN: int
discount: double
getAuthor(); String
getISBN(); int
setAuthor(String);
setISBN(int);
getPrice(); double
toString(); String
class
DVD
director: String
year: int
dvdCode: int
price: double
getDirector(); String
getYear(); int
getDVDCode(); int
getPrice(); double
setDirector(String);
setYear(int);
setDVDCode(int);
toString(); String
extends
class
AudioBook
runningTime: double
discount: double
getRunTime(); double
setRunTime(double);
getPrice(); double
toString(); String


interface
Acceptable
isNonEmptyString(String): boolean
isPositive(int); boolean
isPositiveInput(double); boolean
Implements
Class
Validator
makeNotStatic: double
makeNonStatic: String
makeNoStatic: int
setNotStatic(double);
setNonStatic(String);
setNoStatic(int);
getNotStatic(); double
getNonStatic(); String
getNoStatic(); int
isNonEmptyString(String): boolean
isPositive(int); boolean
isPositiveInput(double); boolean


Class
TermProject
name: String
price: double
author: String
ISBN: int
runningTime: double
director: String
year: int
dvdCode: int
itemType: String
index: int
matchName: String
validInput: boolean
exists: boolean
inCart: Boolean
option: int
userOption: int
managerExists: boolean
options(); int
menuA(); int
menuB(); int
checkCredentials(); boolean
createBackupFile(ArrayList<Book>, ArrayList<DVD>);
bookExists(ArrayList<Book>, int); boolean
dvdExists(ArrayList<DVD>, int); boolean
findBook(ArrayList<Book>, int); int
findDVD(ArrayList<DVD>, int); int
displayBooks(ArrayList<Book>);
displayDVDs(ArrayList<DVD>);
displayBooks(ArrayList<Book>, String);
displayDVDs(ArrayList<DVD>, String);
displayCart(ArrayList<CatalogItem>);
checkout(ArrayLIst<CatalogItem>);