pkg

Aims

+ *main(args : String[]) : void*

Cart

- qtyOrdered : int
+ MAX_ORDERED : int = 20

+ addDigitalVideoDisc(disc : DigitalVideoDisc) : void
+ removeDigitalVideoDisc(disc : DigitalVideoDisc) : void
+ totalCost() : float
+ getItemsOrdered() : String[]

DigitalVideoDisc

- length : int
- category : String
- cost : float
- title : String
- director : String

+ getCost() : float
+ DigitalVideoDisc(title : String) : void
+ getCategory() : String
+ getDirector() : String
+ DigitalVideoDisc(title : String, category : String, director : String, length : int, cost : float)
+ getLength() : int
+ DigitalVideoDisc(title : String, category : String, director : String, cost : float)
+ getTitle() : String
+ DigitalVideoDisc(title : String, category : String, cost : float)

uc

Browse DVDs
PLay a DVD
Add DVD to cart
View DVD details
title
Search DVDs
price
category
View Cart
Update Cart
Sort DVDs in Cart
Filter DVDs in Cart
Random Free DVD
Manage Cart
free item
login
Place order
Calculate delivery fee based on mass and location.
Provide delivery information.
Receive Order Confirmation
Make Payment
Customer

Accept
Reject
View an order
Log in
View Pending Orders
Viewing the order detail
Approve/Reject Orders
Add new DVDs
Manage DVDs
Remove DVDs
Perform transaction
Check validation of Card
Store Manager
Bank

<<extend>>
<<include>>

If you create a constructor method to build a DVD by title then create a constructor method to build a DVD by category. Does JAVA allow you to do this?

No, Java doesn't allow this. In Java, you can only overload constructors if they have different signatures, meaning either a different type of parameter or a different number of parameters. Since both "title" and "category" are of the same data type (String) and each constructor would take only one parameter, their signatures would be identical (DVD(String)). Therefore, Java wouldn't be able to tell the constructors apart.