Domain Class Diagram

for

Online Bookstore System

Version 1.0 approved

Prepared by A1

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Deliverable 4

Books

bookid: int
isbn: Long
title: String
author: String
edition: String
catergory: String
publisher: String
publicationYear: int
quantity: int
minThreshold: int
buyingPrice: double
sellingPrice: double

getDetails(): String
setPrice(): void

Shopping Cart

cartCount: int
empty: boolean

addItem()
removeItem()

Customer

userid: int
firstName String
lastName: String
email: String
password: String
state: CustomerState

getState(): String
setState(state: String): void

Address

street: String
city: String
state: String
zipCode: int

<<enumeration>>
CustomerState

Active
Inactive
Suspended

Order

orderID: int
customerID: int
date: int
total: double
status: OrderStatus
totalPrice: Double
shippingAddress: String
paymentAddress: String
orderedBooks: String

Admin

userID: int
firstName: String
lastName: String
password: String

manageBooks(): void
managePromotions(): void
manageUsers(): void

User

userID: int
firstName: String
lastName: String
email: String
password: String

getState(): String
setState(state: String): void

Manages

Payment

cardNumber: long
type: String
expirationDate: String

<<enumeration>>
OrderStatus

Processing
Shipping
In Delivery
Delivered
Cancelled

Promotions

promotionCode: String
discount: Double
startDate: String
expirationDate: String

getDetails(): String
setDiscount(discount: Double): void

Manages

Manages

0..1

1

1

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0..*

0..3

0..*

1

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