Customer

-name: String
-phone: String
-email: String
-street: String
-city: String
-zipCode: String

«constructor»+Customer(name: String, phone: String, email: String, street: String, city: String, zipCode: String)

Book

-title: String
-author: String
-price: double

«constructor»+Book(title: String, author: String, price: double)

WebshopApp

«constructor»+WebshopApp()
+searchBooks(query: String): void
+addToCart(book: Book, quantity: int): void
+checkout(customer: Customer): void
+getCartFromDatabase(): ShoppingCart

ShoppingCart

-items: List

«constructor»+ShoppingCart()
+addItem(book: Book, quantity: int): void
+removeItem(book: Book): void
+clearCart(): void
+getItems(): List
+getTotalPrice(): double

ShoppingCartDAO

+save(cart: ShoppingCart): void
+load(): ShoppingCart
+clear(): void
+update(cart: ShoppingCart): void
+delete(cart: ShoppingCart): void
+searchBooks(query: String): void
+addToCart(book: Book, quantity: int): void
+checkout(customer: Customer): void

ShoppingCartService

«constructor»+ShoppingCartService()
+addItem(shoppingCart: ShoppingCart, book: Book, quantity: int): void
+removeItem(shoppingCart: ShoppingCart, book: Book): void
+clearCart(shoppingCart: ShoppingCart): void
+getTotalPrice(shoppingCart: ShoppingCart): double
+checkout(shoppingCart: ShoppingCart, customer: Customer): void
+searchBooks(query: String): void
+addToCart(book: Book, quantity: int): void
+checkout(customer: Customer): void