E-commerce App UML Class Diagram

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Admin
- -id: integer
- -password: string
- -name:string
- -email:string

- +login(): bool
- +logout():bool

Brand
- -Id: integer
- -name:string

- -create()
- -store()
- -edit()
- -update()
- -delete()

User
- -Id: integer
- -firstname:string
- -lastname:string
- -email:string
- -password: string
- -address:string
- -city:string
- -country:string

- +register()
- +login()
- +updateProfile()

Shipping Info
- -shippingId: int
- -shippingType: string
- -shippingCost: int
- -shippingRegionId: int

- +updateShippingInfo()

Attribute
- -Id: integer
- -name:string

- -create()
- -store()
- -edit()
- -update()
- -delete()

Attribute Values
- -Id: integer
- -name:string
- -attribut_id:foreign
- -value:text
- -price:integer

- -create()
- -store()
- -edit()
- -update()
- -delete()

Shopping Cart
- -cartId: int
- -productID: int
- -quantity: int
- -dateAdded: int

- +addCartItem()
- +updateQuantity()
- +viewCartDetails()
- +checkOut()

Category
- -Id: integer
- -name:string
- -description:string
- -parentid:integer:default(1)
- -featured:bool
- -menu:bool

- -create()
- -store()
- -edit()
- -update()
- -delete()

Order
- -orderId: int
- -dateCreated: string
- -dateShipped: string
- -customerName: string
- -customerId: string
- -status: string
- -shippingId: string

- +placeOrder()

Products
- -Id: integer
- -name:string
- -quantity:integer
- -description:text
- -price:integer
- -status:bool
- -weight:decimal
- -brand_id:foreign

- -create()
- -store()
- -edit()
- -update()
- -delete()

ProductAttributes
- -Id: integer
- -product_id:foreign
- -quantity:integer
- -price:integer
- -status:bool
- -weight:decimal

- -create()
- -store()
- -edit()
- -update()
- -delete()

Order Details
- -orderId:int
- -productId: int
- -productName: string
- -quantity: int
- -unitCost: float
- -subtotal: float

- +calcPrice

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