Dustin Johnson

Model Documentation

9/11/2022

CST451.Data.DataModel

* OrderDataModel
  + CheckoutDataModel
    - CustomerShippingInfo : CustomerDataModel?
    - CustomerBillingInfo : CustomerDataModel?
    - Cart : CartViewModel?
    - Order : OrderDataModel?
    - OrderLines : List<OrderLineDataModel>?
    - CreditCardName : string
    - ExpirationDate : string
    - CreditCardNumber : string
    - CVV : int?
    - Success : bool?
  + OrderDataModel
    - OrderID : int?
    - CustomerName : string
    - CustomerID : int?
    - Total : double?
    - Default and explicit constructors
  + OrderLineDataModel
    - LineID : int?
    - OrderID : int?
    - ProductID : int?
    - ProductName : string
    - ProductPrice : double?
    - ProductQuantity : int?
    - Explicit and default constructor
* ProductDataModel
  + ProductDataModel
    - ID : int?
    - Name : string
    - Description : string
    - Compatibility : int?
    - Price : double?
    - Success : bool?
    - ImagePath : string
    - Explicit and default constructors
* UserDataModels
  + CustomerDataModel
    - ID : int?
    - Name : string
    - Address : string
    - City : string
    - State : string
    - Zip : int?
    - Country : string
    - Email : string
    - Phone : string
    - Password : string
    - Success : bool
    - Explicit and default constructors
  + EmployeeDataModel
    - ID : int?
    - Name : string
    - Address : string
    - City : string
    - State : string
    - Zip : int?
    - Country : string
    - Email : string
    - Phone : string
    - IsAdmin : bool?
    - Password : string
    - Username : string
    - Success : bool
    - Explicit and default constructors

CST451.Models.ViewModels

* Checkout
  + CheckoutModel
    - CustomerShippingInfo : CustomerViewModel?
    - CustomerBillingInfo : CustomerViewModel?
    - Cart : CartViewModel?
    - Order : OrderViewModel?
    - OrderLines : List<OrderLineViewModel>?
    - CreditCardName : string
    - ExpirationDate : string
    - CreditCardNumber : string
    - CVV : int?
    - Success : bool?
* Orders
  + OrderLineViewModel
    - LineID : int?
    - OrderID : int?
    - ProductID : int?
    - ProductName : string
    - ProductPrice : double?
    - ProductQuantity : int?
    - Explicit and default constructors
  + OrderViewModel
    - OrderID : int?
    - CustomerName : string
    - CustomerID : int?
    - Total : double?
    - Explicit and default constructors
* ProductViewModel
  + ProductViewModel
    - ID : int?
    - Name : string
    - Description : string
    - Compatibility : int?
    - Price : double?
    - ImagePath : string
    - Success : bool?
* Users
  + CustomerViewModel
    - ID : int?
    - Name : string
    - Address : string
    - City : string
    - State : string
    - Zip : int?
    - Country : string
    - Email : string
    - Phone : string
    - Password : string
    - Cart : CartViewModel
    - Success : bool
    - Explicit and default constructors
  + EmployeeViewModel
    - ID : int?
    - Name : string
    - Address : string
    - City : string
    - State : string
    - Zip : int?
    - Country : string
    - Email : string
    - Phone : string
    - IsAdmin : bool?
    - Username : string
    - Password : string
    - Success : bool?
    - Explicit and default constructors
* CartViewModel
  + CartID : string
  + Products : List<Products.ProductViewModel>
  + CustomerID : int?
  + CustomerName : string
  + Total : double?
  + Explicit and default constructors
  + CalculateTotal() – new method
    - Calculates the total of the prices of the products in the cart
    - Returns total prices
  + isEmpty() – new method
    - Evaluates Products.Count == 0 and returns bool result
* ErrorViewModel
  + RequestId : string?
  + ShowRequestedId () – new method
    - Returns RequestId if it is not null or empty