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[controller.AdminServlet.doGet(HttpServletRequest, HttpServletResponse)](#m0TSqfKGAqAABWhP)

[controller.AdminServlet.doPost(HttpServletRequest, HttpServletResponse)](#aH7SqfKGAqAABW9_)

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[controller.ControllerServlet.doGet(HttpServletRequest, HttpServletResponse)](#5BByqfKGAqAABY4b)

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# Use Case Ranks

|  |  |
| --- | --- |
| **Rank** | **Description** |
| Low |  |
| Medium |  |
| High |  |

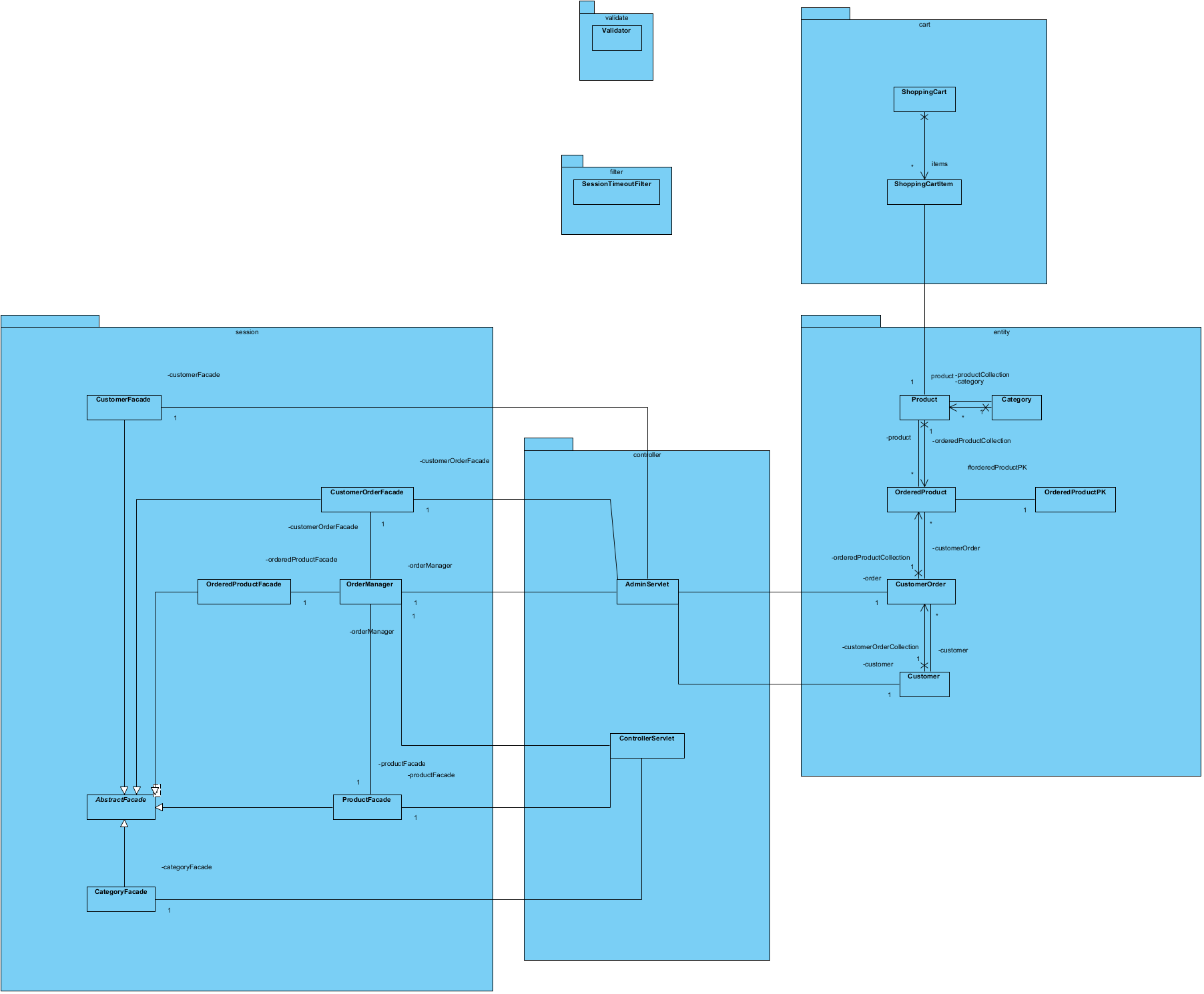
# Stereotypes

|  |  |
| --- | --- |
| **UseCase** | |
| Tagged Value Definitions | |  |  | | --- | --- | | **Level** | | | Author | Zaic | | Create Date Time | 10-Jun-2015 21:26:07 | | Last Modified | 03-Sep-2015 20:06:42 | | Type | Enumeration |  |  |  | | --- | --- | | **Complexity** | | | Author | Zaic | | Create Date Time | 10-Jun-2015 21:26:07 | | Last Modified | 03-Sep-2015 20:06:42 | | Type | Enumeration |  |  |  | | --- | --- | | **Use Case Status** | | | Author | Zaic | | Create Date Time | 10-Jun-2015 21:26:07 | | Last Modified | 03-Sep-2015 20:06:42 | | Type | Enumeration |  |  |  | | --- | --- | | **Implementation Status** | | | Author | Zaic | | Create Date Time | 10-Jun-2015 21:26:07 | | Last Modified | 03-Sep-2015 20:06:42 | | Type | Enumeration |  |  |  | | --- | --- | | **Preconditions** | | | Author | Zaic | | Create Date Time | 10-Jun-2015 21:26:07 | | Last Modified | 03-Sep-2015 20:06:42 | | Type | Multi-line Text |  |  |  | | --- | --- | | **Post-conditions** | | | Author | Zaic | | Create Date Time | 10-Jun-2015 21:26:07 | | Last Modified | 03-Sep-2015 20:06:42 | | Type | Multi-line Text |  |  |  | | --- | --- | | **Author** | | | Author | Zaic | | Create Date Time | 10-Jun-2015 21:26:07 | | Last Modified | 03-Sep-2015 20:06:42 | | Type | Text |  |  |  | | --- | --- | | **Assumptions** | | | Author | Zaic | | Create Date Time | 10-Jun-2015 21:26:07 | | Last Modified | 03-Sep-2015 20:06:42 | | Type | Multi-line Text | |

|  |  |
| --- | --- |
| **requirement** | |
| Tagged Value Definitions | |  |  | | --- | --- | | **Text** | | | Author | Zaic | | Create Date Time | 10-Jun-2015 21:25:59 | | Last Modified | 03-Sep-2015 20:06:42 | | Type | HTML Text |  |  |  | | --- | --- | | **ID** | | | Author | Zaic | | Create Date Time | 10-Jun-2015 21:25:59 | | Last Modified | 03-Sep-2015 20:06:42 | | Type | Text |  |  |  | | --- | --- | | **source** | | | Author | Zaic | | Create Date Time | 10-Jun-2015 21:25:59 | | Last Modified | 03-Sep-2015 20:06:42 | | Type | Text |  |  |  | | --- | --- | | **kind** | | | Author | Zaic | | Create Date Time | 10-Jun-2015 21:25:59 | | Last Modified | 03-Sep-2015 20:06:42 | | Type | Enumeration |  |  |  | | --- | --- | | **verifyMethod** | | | Author | Zaic | | Create Date Time | 10-Jun-2015 21:25:59 | | Last Modified | 03-Sep-2015 20:06:42 | | Type | Enumeration |  |  |  | | --- | --- | | **risk** | | | Author | Zaic | | Create Date Time | 10-Jun-2015 21:25:59 | | Last Modified | 03-Sep-2015 20:06:42 | | Type | Enumeration |  |  |  | | --- | --- | | **status** | | | Author | Zaic | | Create Date Time | 10-Jun-2015 21:25:59 | | Last Modified | 03-Sep-2015 20:06:42 | | Type | Enumeration | |

Class Diagram

# Shop20 no att op



|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 06:49:43 |
| Last Modified | 04-Sep-2015 07:15:18 |
| Request Validate Snap To Grid | false |
| Name | Shop20 no att op |

## Summary

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png [validate](#yqLnafKGAqAABWV.) |  |
| Image1.png [cart](#aqLnafKGAqAABWXD) |  |
| Image2.png [Validator](#iqLnafKGAqAABWV7) | @author tgiunipero |
| Image2.png [ShoppingCart](#aqLnafKGAqAABWXA) |  |
| Image1.png [filter](#KqLnafKGAqAABWWc) |  |
| Image2.png [SessionTimeoutFilter](#yqLnafKGAqAABWWZ) | @author tgiunipero |
| Image2.png [ShoppingCartItem](#aqLnafKGAqAABWW9) | @author tgiunipero |
| Image1.png [session](#yqLnafKGAqAABWWW) |  |
| Image1.png [entity](#qqLnafKGAqAABWWx) |  |
| Image2.png [CustomerFacade](#yqLnafKGAqAABWWN) | @author tgiunipero |
| Image2.png [Product](#KqLnafKGAqAABWWf) | @author tgiunipero |
| Image2.png [Category](#KqLnafKGAqAABWWu) | @author tgiunipero |
| Image1.png [controller](#qqLnafKGAqAABWW6) |  |
| Image2.png [CustomerOrderFacade](#yqLnafKGAqAABWWK) | @author tgiunipero |
| Image2.png [OrderedProduct](#KqLnafKGAqAABWWl) | @author tgiunipero |
| Image2.png [OrderedProductPK](#KqLnafKGAqAABWWi) | @author tgiunipero |
| Image2.png [OrderedProductFacade](#yqLnafKGAqAABWWH) | @author tgiunipero |
| Image2.png [OrderManager](#yqLnafKGAqAABWWE) | @author tgiunipero |
| Image2.png [AdminServlet](#qqLnafKGAqAABWW3) | @author tgiunipero |
| Image2.png [CustomerOrder](#KqLnafKGAqAABWWo) | @author tgiunipero |
| Image2.png [Customer](#KqLnafKGAqAABWWr) | @author tgiunipero |
| Image2.png [ControllerServlet](#qqLnafKGAqAABWW0) | @author tgiunipero |
| Image2.png [AbstractFacade](#yqLnafKGAqAABWWT) | @author tgiunipero |
| Image2.png [ProductFacade](#yqLnafKGAqAABWWB) | @author tgiunipero |
| Image2.png [CategoryFacade](#yqLnafKGAqAABWWQ) | @author tgiunipero |

## Details

### Image1.png validate

|  |  |
| --- | --- |
| **Name** | **Value** |
| Abstract | false |
| Leaf | false |
| Root | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 06:57:03 |
| Visibility | public |

#### Children

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image2.png [Validator](#iqLnafKGAqAABWV7) | @author tgiunipero |

### Image1.png cart

|  |  |
| --- | --- |
| **Name** | **Value** |
| Abstract | false |
| Leaf | false |
| Root | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 20:55:41 |
| Last Modified | 04-Sep-2015 06:57:03 |
| Visibility | public |

#### Children

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image2.png [ShoppingCart](#aqLnafKGAqAABWXA) |  |
| Image2.png [ShoppingCartItem](#aqLnafKGAqAABWW9) | @author tgiunipero |

### Image2.png Validator

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Documentation | @author tgiunipero |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |

#### Operations

|  |  |
| --- | --- |
| **public validateQuantity (productId : String, quantity : String) : boolean** | |
| Parameters | |  |  | | --- | --- | | **productId** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **quantity** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout | |
| Static | false |
| Leaf | false |
| Documentation | ensures that quantity input is number between 0 and 99applies to quantity fields in cart page |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public validateForm (name : String, email : String, phone : String, address : String, cityRegion : String, ccNumber : String, request : javax.servlet.http.HttpServletRequest) : boolean** | |
| Parameters | |  |  | | --- | --- | | **name** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **email** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **phone** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **address** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **cityRegion** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **ccNumber** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **request** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | javax.servlet.http.HttpServletRequest | | Direction | inout | |
| Static | false |
| Leaf | false |
| Documentation | performs simple validation on checkout form |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public Validator ()** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public validateQuantity (productId : java.lang.String, quantity : java.lang.String) : boolean** | |
| Parameters | |  |  | | --- | --- | | **productId** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout |  |  |  | | --- | --- | | **quantity** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public validateForm (name : java.lang.String, email : java.lang.String, phone : java.lang.String, address : java.lang.String, cityRegion : java.lang.String, ccNumber : java.lang.String, request : javax.servlet.http.HttpServletRequest) : boolean** | |
| Parameters | |  |  | | --- | --- | | **name** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout |  |  |  | | --- | --- | | **email** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout |  |  |  | | --- | --- | | **phone** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout |  |  |  | | --- | --- | | **address** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout |  |  |  | | --- | --- | | **cityRegion** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout |  |  |  | | --- | --- | | **ccNumber** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout |  |  |  | | --- | --- | | **request** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | javax.servlet.http.HttpServletRequest | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

#### References

|  |  |
| --- | --- |
| [C:\Users\Zaic\Dropbox\OU\3 level\TM470\EMA\Shop20\build\web\WEB-INF\classes\validate\Validator.class](file:///C:\Users\Zaic\Dropbox\OU\3%20level\TM470\EMA\Shop20\build\web\WEB-INF\classes\validate\Validator.class) | |
| Description | Source |
| Type | File |

### Image2.png ShoppingCart

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 20:55:41 |
| Last Modified | 04-Sep-2015 07:17:07 |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **package items : java.util.List** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 20:55:41 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | java.util.List | | |
| Getter | true | Setter | false |
| Has Setter | false | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **package numberOfItems : int** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 20:55:42 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image3.png int | | |
| Getter | true | Setter | false |
| Has Setter | false | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **package total : double** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 20:55:42 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image3.png double | | |
| Getter | true | Setter | false |
| Has Setter | false | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

#### Operations

|  |  |
| --- | --- |
| **public ShoppingCart ()** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 20:55:42 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public addItem (product : Product) : void** | |
| Parameters | |  |  | | --- | --- | | **product** | | | Multiplicity | Unspecified | | Documentation | the <code>Product</code> that defines the type of shopping cart item | | Author | Zaic | | Create Date Time | 03-Sep-2015 20:55:42 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [Product](#o2l7KfKGAqAABUsa) | | Direction | inout | |
| Static | false |
| Leaf | false |
| Documentation | Adds a <code>ShoppingCartItem</code> to the <code>ShoppingCart</code>'s<code>items</code> list. If item of the specified <code>product</code>already exists in shopping cart list, the quantity of that item isincremented.  @see ShoppingCartItem |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 20:55:42 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public update (product : Product, quantity : String) : void** | |
| Parameters | |  |  | | --- | --- | | **product** | | | Multiplicity | Unspecified | | Documentation | the <code>Product</code> that defines the type of shopping cart item | | Author | Zaic | | Create Date Time | 03-Sep-2015 20:55:42 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [Product](#o2l7KfKGAqAABUsa) | | Direction | inout |  |  |  | | --- | --- | | **quantity** | | | Multiplicity | Unspecified | | Documentation | the number which the <code>ShoppingCartItem</code> is updated to | | Author | Zaic | | Create Date Time | 03-Sep-2015 20:55:42 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout | |
| Static | false |
| Leaf | false |
| Documentation | Updates the <code>ShoppingCartItem</code> of the specified<code>product</code> to the specified quantity. If '<code>0</code>'is the given quantity, the <code>ShoppingCartItem</code> is removedfrom the <code>ShoppingCart</code>'s <code>items</code> list.  @see ShoppingCartItem |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 20:55:42 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getSubtotal () : double** | |
| Static | false |
| Leaf | false |
| Documentation | Returns the sum of the product price multiplied by the quantity for allitems in shopping cart list. This is the total cost excluding the surcharge.  @see ShoppingCartItem |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 20:55:42 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Return Type Documentation | the cost of all items times their quantities |
| Query | false |

|  |  |
| --- | --- |
| **public calculateTotal (surcharge : String) : void** | |
| Parameters | |  |  | | --- | --- | | **surcharge** | | | Multiplicity | Unspecified | | Documentation | the designated surcharge for all orders | | Author | Zaic | | Create Date Time | 03-Sep-2015 20:55:42 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout | |
| Static | false |
| Leaf | false |
| Documentation | Calculates the total cost of the order. This method adds the subtotal tothe designated surcharge and sets the <code>total</code> instance variablewith the result.  @see ShoppingCartItem |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 20:55:42 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public clear () : void** | |
| Static | false |
| Leaf | false |
| Documentation | Empties the shopping cart. All items are removed from the shopping cart<code>items</code> list, <code>numberOfItems</code> and<code>total</code> are reset to '<code>0</code>'.  @see ShoppingCartItem |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 20:55:42 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public addItem (product : Product) : void** | |
| Parameters | |  |  | | --- | --- | | **product** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [Product](#o2l7KfKGAqAABUsa) | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public update (product : Product, quantity : java.lang.String) : void** | |
| Parameters | |  |  | | --- | --- | | **product** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [Product](#o2l7KfKGAqAABUsa) | | Direction | inout |  |  |  | | --- | --- | | **quantity** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getItems () : java.util.List** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getNumberOfItems () : int** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public calculateTotal (surcharge : java.lang.String) : void** | |
| Parameters | |  |  | | --- | --- | | **surcharge** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getTotal () : double** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (items) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [ShoppingCartItem](#ZJnjKfKGAqAABRzc) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | items | | Multiplicity | \* | | Visibility | package | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

#### References

|  |  |
| --- | --- |
| [C:\Users\Zaic\Dropbox\OU\3 level\TM470\EMA\Shop20\build\web\WEB-INF\classes\cart\ShoppingCart.class](file:///C:\Users\Zaic\Dropbox\OU\3%20level\TM470\EMA\Shop20\build\web\WEB-INF\classes\cart\ShoppingCart.class) | |
| Description | Source |
| Type | File |

### Image1.png filter

|  |  |
| --- | --- |
| **Name** | **Value** |
| Abstract | false |
| Leaf | false |
| Root | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 06:57:03 |
| Visibility | public |

#### Children

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image2.png [SessionTimeoutFilter](#yqLnafKGAqAABWWZ) | @author tgiunipero |

### Image2.png SessionTimeoutFilter

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Documentation | @author tgiunipero |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |

#### Operations

|  |  |
| --- | --- |
| **public doFilter (request : javax.servlet.ServletRequest, response : javax.servlet.ServletResponse, chain : javax.servlet.FilterChain) : void** | |
| Parameters | |  |  | | --- | --- | | **request** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | javax.servlet.ServletRequest | | Direction | inout |  |  |  | | --- | --- | | **response** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | javax.servlet.ServletResponse | | Direction | inout |  |  |  | | --- | --- | | **chain** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | javax.servlet.FilterChain | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public init (filterConfig : javax.servlet.FilterConfig) : void** | |
| Parameters | |  |  | | --- | --- | | **filterConfig** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | javax.servlet.FilterConfig | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public destroy () : void** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public SessionTimeoutFilter ()** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

#### References

|  |  |
| --- | --- |
| [C:\Users\Zaic\Dropbox\OU\3 level\TM470\EMA\Shop20\build\web\WEB-INF\classes\filter\SessionTimeoutFilter.class](file:///C:\Users\Zaic\Dropbox\OU\3%20level\TM470\EMA\Shop20\build\web\WEB-INF\classes\filter\SessionTimeoutFilter.class) | |
| Description | Source |
| Type | File |

### Image2.png ShoppingCartItem

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Documentation | @author tgiunipero |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 20:55:52 |
| Last Modified | 04-Sep-2015 07:17:07 |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **package product : Product** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 20:55:52 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image2.png [Product](#o2l7KfKGAqAABUsa) | | |
| Getter | true | Setter | false |
| Has Setter | false | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **package quantity : short** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 20:55:52 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image3.png short | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

#### Operations

|  |  |
| --- | --- |
| **public ShoppingCartItem (product : Product)** | |
| Parameters | |  |  | | --- | --- | | **product** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 20:55:53 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Image2.png [Product](#o2l7KfKGAqAABUsa) | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 20:55:53 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public incrementQuantity () : void** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 20:55:53 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public decrementQuantity () : void** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 20:55:53 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getTotal () : double** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 20:55:53 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public ShoppingCartItem (product : Product)** | |
| Parameters | |  |  | | --- | --- | | **product** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [Product](#o2l7KfKGAqAABUsa) | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getProduct () : Product** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getQuantity () : short** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setQuantity (quantity : short) : void** | |
| Parameters | |  |  | | --- | --- | | **quantity** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png short | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (product) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [Product](#o2l7KfKGAqAABUsa) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | product | | Multiplicity | 1 | | Visibility | package | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [ShoppingCart](#ubbjKfKGAqAABRnM) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | false | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

#### References

|  |  |
| --- | --- |
| [C:\Users\Zaic\Dropbox\OU\3 level\TM470\EMA\Shop20\build\web\WEB-INF\classes\cart\ShoppingCartItem.class](file:///C:\Users\Zaic\Dropbox\OU\3%20level\TM470\EMA\Shop20\build\web\WEB-INF\classes\cart\ShoppingCartItem.class) | |
| Description | Source |
| Type | File |

### Image1.png session

|  |  |
| --- | --- |
| **Name** | **Value** |
| Abstract | false |
| Leaf | false |
| Root | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 06:57:03 |
| Visibility | public |

#### Children

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image2.png [CustomerFacade](#yqLnafKGAqAABWWN) | @author tgiunipero |
| Image2.png [CustomerOrderFacade](#yqLnafKGAqAABWWK) | @author tgiunipero |
| Image2.png [OrderedProductFacade](#yqLnafKGAqAABWWH) | @author tgiunipero |
| Image2.png [OrderManager](#yqLnafKGAqAABWWE) | @author tgiunipero |
| Image2.png [AbstractFacade](#yqLnafKGAqAABWWT) | @author tgiunipero |
| Image2.png [ProductFacade](#yqLnafKGAqAABWWB) | @author tgiunipero |
| Image2.png [CategoryFacade](#yqLnafKGAqAABWWQ) | @author tgiunipero |

### Image1.png entity

|  |  |
| --- | --- |
| **Name** | **Value** |
| Abstract | false |
| Leaf | false |
| Root | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 06:57:03 |
| Visibility | public |

#### Children

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image2.png [Product](#KqLnafKGAqAABWWf) | @author tgiunipero |
| Image2.png [Category](#KqLnafKGAqAABWWu) | @author tgiunipero |
| Image2.png [OrderedProduct](#KqLnafKGAqAABWWl) | @author tgiunipero |
| Image2.png [OrderedProductPK](#KqLnafKGAqAABWWi) | @author tgiunipero |
| Image2.png [CustomerOrder](#KqLnafKGAqAABWWo) | @author tgiunipero |
| Image2.png [Customer](#KqLnafKGAqAABWWr) | @author tgiunipero |

### Image2.png CustomerFacade

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Documentation | @author tgiunipero |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private em : javax.persistence.EntityManager** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | javax.persistence.EntityManager | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

#### Operations

|  |  |
| --- | --- |
| **protected getEntityManager () : javax.persistence.EntityManager** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public CustomerFacade ()** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| From | Image2.png [AbstractFacade](#yqLnafKGAqAABWWT) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Substitutable | false |
| Template Type Bind Info | N/A |
| Visibility | Unspecified |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [AdminServlet](#_al7KfKGAqAABUK2) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

#### References

|  |  |
| --- | --- |
| [C:\Users\Zaic\Dropbox\OU\3 level\TM470\EMA\Shop20\build\web\WEB-INF\classes\session\CustomerFacade.class](file:///C:\Users\Zaic\Dropbox\OU\3%20level\TM470\EMA\Shop20\build\web\WEB-INF\classes\session\CustomerFacade.class) | |
| Description | Source |
| Type | File |

### Image2.png Product

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Documentation | @author tgiunipero |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private serialVersionUID : long** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Initial Value | 1 | | |
| Type | Image3.png long | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private id : java.lang.Integer** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | java.lang.Integer | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private name : java.lang.String** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | java.lang.String | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private price : java.math.BigDecimal** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | java.math.BigDecimal | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private lastUpdate : java.util.Date** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | java.util.Date | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private category : Category** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image2.png [Category](#_6l7KfKGAqAABUQX) | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private orderedProductCollection : java.util.Collection** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Template Type Bind Info | N/A | | |
| Type | java.util.Collection | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

#### Operations

|  |  |
| --- | --- |
| **public Product ()** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public Product (id : Integer)** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Integer | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public Product (id : Integer, name : String, price : java.math.BigDecimal, lastUpdate : java.util.Date)** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Integer | | Direction | inout |  |  |  | | --- | --- | | **name** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **price** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | java.math.BigDecimal | | Direction | inout |  |  |  | | --- | --- | | **lastUpdate** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | java.util.Date | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public hashCode () : int** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public equals (object : Object) : boolean** | |
| Parameters | |  |  | | --- | --- | | **object** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public toString () : java.lang.String** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public Product (id : java.lang.Integer)** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Integer | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public Product (id : java.lang.Integer, name : java.lang.String, price : java.math.BigDecimal, lastUpdate : java.util.Date)** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Integer | | Direction | inout |  |  |  | | --- | --- | | **name** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout |  |  |  | | --- | --- | | **price** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.math.BigDecimal | | Direction | inout |  |  |  | | --- | --- | | **lastUpdate** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.util.Date | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getId () : java.lang.Integer** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setId (id : java.lang.Integer) : void** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Integer | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getName () : java.lang.String** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setName (name : java.lang.String) : void** | |
| Parameters | |  |  | | --- | --- | | **name** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getPrice () : java.math.BigDecimal** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setPrice (price : java.math.BigDecimal) : void** | |
| Parameters | |  |  | | --- | --- | | **price** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.math.BigDecimal | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getLastUpdate () : java.util.Date** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setLastUpdate (lastUpdate : java.util.Date) : void** | |
| Parameters | |  |  | | --- | --- | | **lastUpdate** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.util.Date | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getCategory () : Category** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setCategory (category : Category) : void** | |
| Parameters | |  |  | | --- | --- | | **category** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [Category](#_6l7KfKGAqAABUQX) | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getOrderedProductCollection () : java.util.Collection** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setOrderedProductCollection (orderedProductCollection : java.util.Collection) : void** | |
| Parameters | |  |  | | --- | --- | | **orderedProductCollection** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.util.Collection | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public equals (object : java.lang.Object) : boolean** | |
| Parameters | |  |  | | --- | --- | | **object** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (category) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [Category](#_6l7KfKGAqAABUQX) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | category | | Multiplicity | 1 | | Visibility | private | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (orderedProductCollection) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [OrderedProduct](#cWl7KfKGAqAABUj4) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | orderedProductCollection | | Multiplicity | \* | | Visibility | private | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [Category](#_6l7KfKGAqAABUQX) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | false | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [ShoppingCartItem](#ZJnjKfKGAqAABRzc) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [OrderedProduct](#cWl7KfKGAqAABUj4) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

#### References

|  |  |
| --- | --- |
| [C:\Users\Zaic\Dropbox\OU\3 level\TM470\EMA\Shop20\build\web\WEB-INF\classes\entity\Product.class](file:///C:\Users\Zaic\Dropbox\OU\3%20level\TM470\EMA\Shop20\build\web\WEB-INF\classes\entity\Product.class) | |
| Description | Source |
| Type | File |

### Image2.png Category

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Documentation | @author tgiunipero |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private serialVersionUID : long** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Initial Value | 1 | | |
| Type | Image3.png long | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private id : java.lang.Short** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | java.lang.Short | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private name : java.lang.String** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | java.lang.String | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private productCollection : java.util.Collection** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Template Type Bind Info | N/A | | |
| Type | java.util.Collection | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

#### Operations

|  |  |
| --- | --- |
| **public Category ()** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public Category (id : Short)** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Short | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public Category (id : Short, name : String)** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Short | | Direction | inout |  |  |  | | --- | --- | | **name** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Image3.png String | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public hashCode () : int** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public equals (object : Object) : boolean** | |
| Parameters | |  |  | | --- | --- | | **object** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public toString () : java.lang.String** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public Category (id : java.lang.Short)** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Short | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public Category (id : java.lang.Short, name : java.lang.String)** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Short | | Direction | inout |  |  |  | | --- | --- | | **name** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getId () : java.lang.Short** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setId (id : java.lang.Short) : void** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Short | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getName () : java.lang.String** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setName (name : java.lang.String) : void** | |
| Parameters | |  |  | | --- | --- | | **name** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getProductCollection () : java.util.Collection** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setProductCollection (productCollection : java.util.Collection) : void** | |
| Parameters | |  |  | | --- | --- | | **productCollection** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.util.Collection | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public equals (object : java.lang.Object) : boolean** | |
| Parameters | |  |  | | --- | --- | | **object** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (productCollection) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [Product](#o2l7KfKGAqAABUsa) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | productCollection | | Multiplicity | \* | | Visibility | private | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [Product](#o2l7KfKGAqAABUsa) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

#### References

|  |  |
| --- | --- |
| [C:\Users\Zaic\Dropbox\OU\3 level\TM470\EMA\Shop20\build\web\WEB-INF\classes\entity\Category.class](file:///C:\Users\Zaic\Dropbox\OU\3%20level\TM470\EMA\Shop20\build\web\WEB-INF\classes\entity\Category.class) | |
| Description | Source |
| Type | File |

### Image1.png controller

|  |  |
| --- | --- |
| **Name** | **Value** |
| Abstract | false |
| Leaf | false |
| Root | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 06:57:03 |
| Visibility | public |

#### Children

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image2.png [AdminServlet](#qqLnafKGAqAABWW3) | @author tgiunipero |
| Image2.png [ControllerServlet](#qqLnafKGAqAABWW0) | @author tgiunipero |

### Image2.png CustomerOrderFacade

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Documentation | @author tgiunipero |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private em : javax.persistence.EntityManager** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | javax.persistence.EntityManager | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

#### Operations

|  |  |
| --- | --- |
| **protected getEntityManager () : javax.persistence.EntityManager** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public CustomerOrderFacade ()** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public find (id : Object) : CustomerOrder** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Documentation | overridden - refresh method called to retrieve order id from database |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public findByCustomer (customer : Object) : CustomerOrder** | |
| Parameters | |  |  | | --- | --- | | **customer** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Documentation | in this implementation, there is only one order per customerthe data model however allows for multiple orders per customer |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public find (id : java.lang.Object) : java.lang.Object** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public findByCustomer (customer : java.lang.Object) : CustomerOrder** | |
| Parameters | |  |  | | --- | --- | | **customer** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| From | Image2.png [AbstractFacade](#yqLnafKGAqAABWWT) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Substitutable | false |
| Template Type Bind Info | N/A |
| Visibility | Unspecified |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [AdminServlet](#_al7KfKGAqAABUK2) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [OrderManager](#7ul7KfKGAqAABU8Z) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

#### References

|  |  |
| --- | --- |
| [C:\Users\Zaic\Dropbox\OU\3 level\TM470\EMA\Shop20\build\web\WEB-INF\classes\session\CustomerOrderFacade.class](file:///C:\Users\Zaic\Dropbox\OU\3%20level\TM470\EMA\Shop20\build\web\WEB-INF\classes\session\CustomerOrderFacade.class) | |
| Description | Source |
| Type | File |

### Image2.png OrderedProduct

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Documentation | @author tgiunipero |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private serialVersionUID : long** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Initial Value | 1 | | |
| Type | Image3.png long | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **protected orderedProductPK : OrderedProductPK** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image2.png [OrderedProductPK](#tWl7KfKGAqAABUpX) | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private quantity : short** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image3.png short | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private product : Product** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image2.png [Product](#o2l7KfKGAqAABUsa) | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private customerOrder : CustomerOrder** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image2.png [CustomerOrder](#6ml7KfKGAqAABUdM) | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

#### Operations

|  |  |
| --- | --- |
| **public OrderedProduct ()** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public OrderedProduct (orderedProductPK : OrderedProductPK)** | |
| Parameters | |  |  | | --- | --- | | **orderedProductPK** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Image2.png [OrderedProductPK](#tWl7KfKGAqAABUpX) | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public OrderedProduct (orderedProductPK : OrderedProductPK, quantity : short)** | |
| Parameters | |  |  | | --- | --- | | **orderedProductPK** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Image2.png [OrderedProductPK](#tWl7KfKGAqAABUpX) | | Direction | inout |  |  |  | | --- | --- | | **quantity** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Image3.png short | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public OrderedProduct (customerOrderId : int, productId : int)** | |
| Parameters | |  |  | | --- | --- | | **customerOrderId** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Image3.png int | | Direction | inout |  |  |  | | --- | --- | | **productId** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Image3.png int | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public hashCode () : int** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public equals (object : Object) : boolean** | |
| Parameters | |  |  | | --- | --- | | **object** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public toString () : java.lang.String** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public OrderedProduct (orderedProductPK : OrderedProductPK)** | |
| Parameters | |  |  | | --- | --- | | **orderedProductPK** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [OrderedProductPK](#tWl7KfKGAqAABUpX) | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public OrderedProduct (orderedProductPK : OrderedProductPK, quantity : short)** | |
| Parameters | |  |  | | --- | --- | | **orderedProductPK** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [OrderedProductPK](#tWl7KfKGAqAABUpX) | | Direction | inout |  |  |  | | --- | --- | | **quantity** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png short | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getOrderedProductPK () : OrderedProductPK** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setOrderedProductPK (orderedProductPK : OrderedProductPK) : void** | |
| Parameters | |  |  | | --- | --- | | **orderedProductPK** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [OrderedProductPK](#tWl7KfKGAqAABUpX) | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getQuantity () : short** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setQuantity (quantity : short) : void** | |
| Parameters | |  |  | | --- | --- | | **quantity** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png short | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getProduct () : Product** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setProduct (product : Product) : void** | |
| Parameters | |  |  | | --- | --- | | **product** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [Product](#o2l7KfKGAqAABUsa) | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getCustomerOrder () : CustomerOrder** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setCustomerOrder (customerOrder : CustomerOrder) : void** | |
| Parameters | |  |  | | --- | --- | | **customerOrder** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [CustomerOrder](#6ml7KfKGAqAABUdM) | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public equals (object : java.lang.Object) : boolean** | |
| Parameters | |  |  | | --- | --- | | **object** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (customerOrder) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [CustomerOrder](#6ml7KfKGAqAABUdM) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | customerOrder | | Multiplicity | 1 | | Visibility | private | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (product) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [Product](#o2l7KfKGAqAABUsa) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | product | | Multiplicity | 1 | | Visibility | private | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (orderedProductPK) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [OrderedProductPK](#tWl7KfKGAqAABUpX) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | orderedProductPK | | Multiplicity | 1 | | Visibility | protected | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [CustomerOrder](#6ml7KfKGAqAABUdM) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | false | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [Product](#o2l7KfKGAqAABUsa) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | false | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

#### References

|  |  |
| --- | --- |
| [C:\Users\Zaic\Dropbox\OU\3 level\TM470\EMA\Shop20\build\web\WEB-INF\classes\entity\OrderedProduct.class](file:///C:\Users\Zaic\Dropbox\OU\3%20level\TM470\EMA\Shop20\build\web\WEB-INF\classes\entity\OrderedProduct.class) | |
| Description | Source |
| Type | File |

### Image2.png OrderedProductPK

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Documentation | @author tgiunipero |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private customerOrderId : int** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image3.png int | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private productId : int** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image3.png int | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

#### Operations

|  |  |
| --- | --- |
| **public OrderedProductPK ()** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public OrderedProductPK (customerOrderId : int, productId : int)** | |
| Parameters | |  |  | | --- | --- | | **customerOrderId** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Image3.png int | | Direction | inout |  |  |  | | --- | --- | | **productId** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Image3.png int | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public hashCode () : int** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public equals (object : Object) : boolean** | |
| Parameters | |  |  | | --- | --- | | **object** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public toString () : java.lang.String** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getCustomerOrderId () : int** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setCustomerOrderId (customerOrderId : int) : void** | |
| Parameters | |  |  | | --- | --- | | **customerOrderId** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png int | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getProductId () : int** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setProductId (productId : int) : void** | |
| Parameters | |  |  | | --- | --- | | **productId** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png int | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public equals (object : java.lang.Object) : boolean** | |
| Parameters | |  |  | | --- | --- | | **object** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [OrderedProduct](#cWl7KfKGAqAABUj4) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

#### References

|  |  |
| --- | --- |
| [C:\Users\Zaic\Dropbox\OU\3 level\TM470\EMA\Shop20\build\web\WEB-INF\classes\entity\OrderedProductPK.class](file:///C:\Users\Zaic\Dropbox\OU\3%20level\TM470\EMA\Shop20\build\web\WEB-INF\classes\entity\OrderedProductPK.class) | |
| Description | Source |
| Type | File |

### Image2.png OrderedProductFacade

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Documentation | @author tgiunipero |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private em : javax.persistence.EntityManager** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | javax.persistence.EntityManager | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

#### Operations

|  |  |
| --- | --- |
| **protected getEntityManager () : javax.persistence.EntityManager** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public OrderedProductFacade ()** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public findByOrderId (id : Object) : java.util.List** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Documentation | manually created |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Template Type Bind Info | N/A |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public findByOrderId (id : java.lang.Object) : java.util.List** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [OrderManager](#7ul7KfKGAqAABU8Z) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| From | Image2.png [AbstractFacade](#yqLnafKGAqAABWWT) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Substitutable | false |
| Template Type Bind Info | N/A |
| Visibility | Unspecified |

#### References

|  |  |
| --- | --- |
| [C:\Users\Zaic\Dropbox\OU\3 level\TM470\EMA\Shop20\build\web\WEB-INF\classes\session\OrderedProductFacade.class](file:///C:\Users\Zaic\Dropbox\OU\3%20level\TM470\EMA\Shop20\build\web\WEB-INF\classes\session\OrderedProductFacade.class) | |
| Description | Source |
| Type | File |

### Image2.png OrderManager

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Documentation | @author tgiunipero |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private em : javax.persistence.EntityManager** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | javax.persistence.EntityManager | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private context : javax.ejb.SessionContext** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | javax.ejb.SessionContext | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private productFacade : ProductFacade** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image2.png [ProductFacade](#sel7KfKGAqAABVBP) | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private customerOrderFacade : CustomerOrderFacade** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image2.png [CustomerOrderFacade](#uul7KfKGAqAABU5z) | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private orderedProductFacade : OrderedProductFacade** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image2.png [OrderedProductFacade](#lul7KfKGAqAABU7R) | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

#### Operations

|  |  |
| --- | --- |
| **public placeOrder (name : String, email : String, phone : String, address : String, cityRegion : String, ccNumber : String, cart : ShoppingCart) : int** | |
| Parameters | |  |  | | --- | --- | | **name** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **email** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **phone** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **address** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **cityRegion** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **ccNumber** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **cart** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [ShoppingCart](#ubbjKfKGAqAABRnM) | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **private addCustomer (name : String, email : String, phone : String, address : String, cityRegion : String, ccNumber : String) : Customer** | |
| Parameters | |  |  | | --- | --- | | **name** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **email** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **phone** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **address** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **cityRegion** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **ccNumber** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **private addOrder (customer : Customer, cart : ShoppingCart) : CustomerOrder** | |
| Parameters | |  |  | | --- | --- | | **customer** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [Customer](#1Gl7KfKGAqAABUUo) | | Direction | inout |  |  |  | | --- | --- | | **cart** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [ShoppingCart](#ubbjKfKGAqAABRnM) | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **private addOrderedItems (order : CustomerOrder, cart : ShoppingCart) : void** | |
| Parameters | |  |  | | --- | --- | | **order** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [CustomerOrder](#6ml7KfKGAqAABUdM) | | Direction | inout |  |  |  | | --- | --- | | **cart** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [ShoppingCart](#ubbjKfKGAqAABRnM) | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getOrderDetails (orderId : int) : java.util.Map** | |
| Parameters | |  |  | | --- | --- | | **orderId** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png int | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public OrderManager ()** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public placeOrder (name : java.lang.String, email : java.lang.String, phone : java.lang.String, address : java.lang.String, cityRegion : java.lang.String, ccNumber : java.lang.String, cart : ShoppingCart) : int** | |
| Parameters | |  |  | | --- | --- | | **name** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout |  |  |  | | --- | --- | | **email** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout |  |  |  | | --- | --- | | **phone** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout |  |  |  | | --- | --- | | **address** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout |  |  |  | | --- | --- | | **cityRegion** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout |  |  |  | | --- | --- | | **ccNumber** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout |  |  |  | | --- | --- | | **cart** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [ShoppingCart](#ubbjKfKGAqAABRnM) | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **private addCustomer (name : java.lang.String, email : java.lang.String, phone : java.lang.String, address : java.lang.String, cityRegion : java.lang.String, ccNumber : java.lang.String) : Customer** | |
| Parameters | |  |  | | --- | --- | | **name** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout |  |  |  | | --- | --- | | **email** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout |  |  |  | | --- | --- | | **phone** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout |  |  |  | | --- | --- | | **address** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout |  |  |  | | --- | --- | | **cityRegion** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout |  |  |  | | --- | --- | | **ccNumber** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **private addOrder (customer : Customer, cart : ShoppingCart) : CustomerOrder** | |
| Parameters | |  |  | | --- | --- | | **customer** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [Customer](#1Gl7KfKGAqAABUUo) | | Direction | inout |  |  |  | | --- | --- | | **cart** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [ShoppingCart](#ubbjKfKGAqAABRnM) | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **private addOrderedItems (order : CustomerOrder, cart : ShoppingCart) : void** | |
| Parameters | |  |  | | --- | --- | | **order** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [CustomerOrder](#6ml7KfKGAqAABUdM) | | Direction | inout |  |  |  | | --- | --- | | **cart** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [ShoppingCart](#ubbjKfKGAqAABRnM) | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (productFacade) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [ProductFacade](#sel7KfKGAqAABVBP) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | productFacade | | Multiplicity | 1 | | Visibility | private | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (orderedProductFacade) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [OrderedProductFacade](#lul7KfKGAqAABU7R) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | orderedProductFacade | | Multiplicity | 1 | | Visibility | private | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (customerOrderFacade) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [CustomerOrderFacade](#uul7KfKGAqAABU5z) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | customerOrderFacade | | Multiplicity | 1 | | Visibility | private | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [ControllerServlet](#h6l7KfKGAqAABUN9) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [AdminServlet](#_al7KfKGAqAABUK2) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

#### References

|  |  |
| --- | --- |
| [C:\Users\Zaic\Dropbox\OU\3 level\TM470\EMA\Shop20\build\web\WEB-INF\classes\session\OrderManager.class](file:///C:\Users\Zaic\Dropbox\OU\3%20level\TM470\EMA\Shop20\build\web\WEB-INF\classes\session\OrderManager.class) | |
| Description | Source |
| Type | File |

### Image2.png AdminServlet

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Documentation | @author tgiunipero |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private orderManager : OrderManager** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image2.png [OrderManager](#7ul7KfKGAqAABU8Z) | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private customerFacade : CustomerFacade** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image2.png [CustomerFacade](#Cul7KfKGAqAABU5B) | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private customerOrderFacade : CustomerOrderFacade** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image2.png [CustomerOrderFacade](#uul7KfKGAqAABU5z) | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private userPath : java.lang.String** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | java.lang.String | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private customer : Customer** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image2.png [Customer](#1Gl7KfKGAqAABUUo) | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private order : CustomerOrder** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image2.png [CustomerOrder](#6ml7KfKGAqAABUdM) | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private orderList : java.util.List** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | java.util.List | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private customerList : java.util.List** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | java.util.List | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

#### Operations

|  |  |
| --- | --- |
| **protected processRequest (request : HttpServletRequest, response : HttpServletResponse) : void** | |
| Parameters | |  |  | | --- | --- | | **request** | | | Multiplicity | Unspecified | | Documentation | servlet request | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | HttpServletRequest | | Direction | inout |  |  |  | | --- | --- | | **response** | | | Multiplicity | Unspecified | | Documentation | servlet response | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | HttpServletResponse | | Direction | inout | |
| Static | false |
| Leaf | false |
| Documentation | Processes requests for both HTTP <code>GET</code> and <code>POST</code> methods. |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Return Type Documentation | @throws IOException if an I/O error occurs |
| Query | false |

|  |  |
| --- | --- |
| **protected doGet (request : HttpServletRequest, response : HttpServletResponse) : void** | |
| Parameters | |  |  | | --- | --- | | **request** | | | Multiplicity | Unspecified | | Documentation | servlet request | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | HttpServletRequest | | Direction | inout |  |  |  | | --- | --- | | **response** | | | Multiplicity | Unspecified | | Documentation | servlet response | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | HttpServletResponse | | Direction | inout | |
| Static | false |
| Leaf | false |
| Documentation | Handles the HTTP <code>GET</code> method. |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Return Type Documentation | @throws IOException if an I/O error occurs |
| Query | false |

|  |  |
| --- | --- |
| **protected doPost (request : HttpServletRequest, response : HttpServletResponse) : void** | |
| Parameters | |  |  | | --- | --- | | **request** | | | Multiplicity | Unspecified | | Documentation | servlet request | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | HttpServletRequest | | Direction | inout |  |  |  | | --- | --- | | **response** | | | Multiplicity | Unspecified | | Documentation | servlet response | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | HttpServletResponse | | Direction | inout | |
| Static | false |
| Leaf | false |
| Documentation | Handles the HTTP <code>POST</code> method. |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Return Type Documentation | @throws IOException if an I/O error occurs |
| Query | false |

|  |  |
| --- | --- |
| **public AdminServlet ()** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **protected processRequest (request : javax.servlet.http.HttpServletRequest, response : javax.servlet.http.HttpServletResponse) : void** | |
| Parameters | |  |  | | --- | --- | | **request** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | javax.servlet.http.HttpServletRequest | | Direction | inout |  |  |  | | --- | --- | | **response** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | javax.servlet.http.HttpServletResponse | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **protected doGet (request : javax.servlet.http.HttpServletRequest, response : javax.servlet.http.HttpServletResponse) : void** | |
| Parameters | |  |  | | --- | --- | | **request** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | javax.servlet.http.HttpServletRequest | | Direction | inout |  |  |  | | --- | --- | | **response** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | javax.servlet.http.HttpServletResponse | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **protected doPost (request : javax.servlet.http.HttpServletRequest, response : javax.servlet.http.HttpServletResponse) : void** | |
| Parameters | |  |  | | --- | --- | | **request** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | javax.servlet.http.HttpServletRequest | | Direction | inout |  |  |  | | --- | --- | | **response** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | javax.servlet.http.HttpServletResponse | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (customer) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [Customer](#1Gl7KfKGAqAABUUo) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | customer | | Multiplicity | 1 | | Visibility | private | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (order) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [CustomerOrder](#6ml7KfKGAqAABUdM) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | order | | Multiplicity | 1 | | Visibility | private | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (customerOrderFacade) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [CustomerOrderFacade](#uul7KfKGAqAABU5z) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | customerOrderFacade | | Multiplicity | 1 | | Visibility | private | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (customerFacade) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [CustomerFacade](#Cul7KfKGAqAABU5B) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | customerFacade | | Multiplicity | 1 | | Visibility | private | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (orderManager) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [OrderManager](#7ul7KfKGAqAABU8Z) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | orderManager | | Multiplicity | 1 | | Visibility | private | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

#### References

|  |  |
| --- | --- |
| [C:\Users\Zaic\Dropbox\OU\3 level\TM470\EMA\Shop20\build\web\WEB-INF\classes\controller\AdminServlet.class](file:///C:\Users\Zaic\Dropbox\OU\3%20level\TM470\EMA\Shop20\build\web\WEB-INF\classes\controller\AdminServlet.class) | |
| Description | Source |
| Type | File |

### Image2.png CustomerOrder

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Documentation | @author tgiunipero |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private serialVersionUID : long** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Initial Value | 1 | | |
| Type | Image3.png long | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private id : java.lang.Integer** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | java.lang.Integer | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private amount : java.math.BigDecimal** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | java.math.BigDecimal | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private dateCreated : java.util.Date** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | java.util.Date | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private confirmationNumber : int** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image3.png int | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private orderedProductCollection : java.util.Collection** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Template Type Bind Info | N/A | | |
| Type | java.util.Collection | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private customer : Customer** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image2.png [Customer](#1Gl7KfKGAqAABUUo) | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

#### Operations

|  |  |
| --- | --- |
| **public CustomerOrder ()** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public CustomerOrder (id : Integer)** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Integer | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public CustomerOrder (id : Integer, amount : java.math.BigDecimal, dateCreated : java.util.Date, confirmationNumber : int)** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Integer | | Direction | inout |  |  |  | | --- | --- | | **amount** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | java.math.BigDecimal | | Direction | inout |  |  |  | | --- | --- | | **dateCreated** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | java.util.Date | | Direction | inout |  |  |  | | --- | --- | | **confirmationNumber** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Image3.png int | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public hashCode () : int** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public equals (object : Object) : boolean** | |
| Parameters | |  |  | | --- | --- | | **object** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public toString () : java.lang.String** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public CustomerOrder (id : java.lang.Integer)** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Integer | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public CustomerOrder (id : java.lang.Integer, amount : java.math.BigDecimal, dateCreated : java.util.Date, confirmationNumber : int)** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Integer | | Direction | inout |  |  |  | | --- | --- | | **amount** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.math.BigDecimal | | Direction | inout |  |  |  | | --- | --- | | **dateCreated** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.util.Date | | Direction | inout |  |  |  | | --- | --- | | **confirmationNumber** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png int | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getId () : java.lang.Integer** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setId (id : java.lang.Integer) : void** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Integer | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getAmount () : java.math.BigDecimal** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setAmount (amount : java.math.BigDecimal) : void** | |
| Parameters | |  |  | | --- | --- | | **amount** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.math.BigDecimal | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getDateCreated () : java.util.Date** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setDateCreated (dateCreated : java.util.Date) : void** | |
| Parameters | |  |  | | --- | --- | | **dateCreated** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.util.Date | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getConfirmationNumber () : int** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setConfirmationNumber (confirmationNumber : int) : void** | |
| Parameters | |  |  | | --- | --- | | **confirmationNumber** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png int | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getOrderedProductCollection () : java.util.Collection** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setOrderedProductCollection (orderedProductCollection : java.util.Collection) : void** | |
| Parameters | |  |  | | --- | --- | | **orderedProductCollection** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.util.Collection | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getCustomer () : Customer** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setCustomer (customer : Customer) : void** | |
| Parameters | |  |  | | --- | --- | | **customer** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [Customer](#1Gl7KfKGAqAABUUo) | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public equals (object : java.lang.Object) : boolean** | |
| Parameters | |  |  | | --- | --- | | **object** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (orderedProductCollection) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [OrderedProduct](#cWl7KfKGAqAABUj4) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | orderedProductCollection | | Multiplicity | \* | | Visibility | private | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (customer) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [Customer](#1Gl7KfKGAqAABUUo) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | customer | | Multiplicity | 1 | | Visibility | private | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [OrderedProduct](#cWl7KfKGAqAABUj4) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [AdminServlet](#_al7KfKGAqAABUK2) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [Customer](#1Gl7KfKGAqAABUUo) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:27:08 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | false | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:27:08 |
| Derived | false |

#### References

|  |  |
| --- | --- |
| [C:\Users\Zaic\Dropbox\OU\3 level\TM470\EMA\Shop20\build\web\WEB-INF\classes\entity\CustomerOrder.class](file:///C:\Users\Zaic\Dropbox\OU\3%20level\TM470\EMA\Shop20\build\web\WEB-INF\classes\entity\CustomerOrder.class) | |
| Description | Source |
| Type | File |

### Image2.png Customer

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Documentation | @author tgiunipero |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:27:08 |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private serialVersionUID : long** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:27:08 | | |
| Initial Value | 1L | | |
| Type | Image3.png long | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private id : Integer** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:27:08 | | |
| Type | Integer | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private name : String** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:27:08 | | |
| Type | Image3.png String | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private email : String** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:27:08 | | |
| Type | Image3.png String | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private phone : String** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:27:08 | | |
| Type | Image3.png String | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private address : String** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:27:08 | | |
| Type | Image3.png String | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private cityRegion : String** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:27:08 | | |
| Type | Image3.png String | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private ccNumber : String** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:27:08 | | |
| Type | Image3.png String | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private customerOrderCollection : java.util.Collection** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:27:08 | | |
| Template Type Bind Info | N/A | | |
| Type | java.util.Collection | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

#### Operations

|  |  |
| --- | --- |
| **public Customer ()** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:27:08 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public Customer (id : Integer)** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Integer | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:27:08 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public Customer (id : Integer, name : String, email : String, phone : String, address : String, cityRegion : String, ccNumber : String)** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Integer | | Direction | inout |  |  |  | | --- | --- | | **name** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **email** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **phone** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **address** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **cityRegion** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **ccNumber** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Image3.png String | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:27:08 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public hashCode () : int** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:27:08 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public equals (object : Object) : boolean** | |
| Parameters | |  |  | | --- | --- | | **object** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:27:08 | | Type | Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:27:08 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public toString () : String** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:27:08 |
| Ordered | false |
| Unique | true |
| Query | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (customerOrderCollection) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [CustomerOrder](#6ml7KfKGAqAABUdM) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:27:08 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | customerOrderCollection | | Multiplicity | \* | | Visibility | private | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:27:08 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [AdminServlet](#_al7KfKGAqAABUK2) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [CustomerOrder](#6ml7KfKGAqAABUdM) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

#### References

|  |  |
| --- | --- |
| [C:\Users\Zaic\Dropbox\OU\3 level\TM470\EMA\Shop20\src\java\entity\Customer.java](file:///C:\Users\Zaic\Dropbox\OU\3%20level\TM470\EMA\Shop20\src\java\entity\Customer.java) | |
| Description | Source |
| Type | File |

### Image2.png ControllerServlet

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Documentation | @author tgiunipero |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private surcharge : java.lang.String** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | java.lang.String | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private categoryFacade : CategoryFacade** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image2.png [CategoryFacade](#Yul7KfKGAqAABU4P) | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private productFacade : ProductFacade** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image2.png [ProductFacade](#sel7KfKGAqAABVBP) | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private orderManager : OrderManager** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image2.png [OrderManager](#7ul7KfKGAqAABU8Z) | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

#### Operations

|  |  |
| --- | --- |
| **public init (servletConfig : javax.servlet.ServletConfig) : void** | |
| Parameters | |  |  | | --- | --- | | **servletConfig** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | javax.servlet.ServletConfig | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **protected doGet (request : HttpServletRequest, response : HttpServletResponse) : void** | |
| Parameters | |  |  | | --- | --- | | **request** | | | Multiplicity | Unspecified | | Documentation | servlet request | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | HttpServletRequest | | Direction | inout |  |  |  | | --- | --- | | **response** | | | Multiplicity | Unspecified | | Documentation | servlet response | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | HttpServletResponse | | Direction | inout | |
| Static | false |
| Leaf | false |
| Documentation | Handles the HTTP <code>GET</code> method. |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Return Type Documentation | @throws IOException if an I/O error occurs |
| Query | false |

|  |  |
| --- | --- |
| **protected doPost (request : HttpServletRequest, response : HttpServletResponse) : void** | |
| Parameters | |  |  | | --- | --- | | **request** | | | Multiplicity | Unspecified | | Documentation | servlet request | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | HttpServletRequest | | Direction | inout |  |  |  | | --- | --- | | **response** | | | Multiplicity | Unspecified | | Documentation | servlet response | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | HttpServletResponse | | Direction | inout | |
| Static | false |
| Leaf | false |
| Documentation | Handles the HTTP <code>POST</code> method. |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Return Type Documentation | @throws IOException if an I/O error occurs |
| Query | false |

|  |  |
| --- | --- |
| **public ControllerServlet ()** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **protected doGet (request : javax.servlet.http.HttpServletRequest, response : javax.servlet.http.HttpServletResponse) : void** | |
| Parameters | |  |  | | --- | --- | | **request** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | javax.servlet.http.HttpServletRequest | | Direction | inout |  |  |  | | --- | --- | | **response** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | javax.servlet.http.HttpServletResponse | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **protected doPost (request : javax.servlet.http.HttpServletRequest, response : javax.servlet.http.HttpServletResponse) : void** | |
| Parameters | |  |  | | --- | --- | | **request** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | javax.servlet.http.HttpServletRequest | | Direction | inout |  |  |  | | --- | --- | | **response** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | javax.servlet.http.HttpServletResponse | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (categoryFacade) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [CategoryFacade](#Yul7KfKGAqAABU4P) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | categoryFacade | | Multiplicity | 1 | | Visibility | private | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (productFacade) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [ProductFacade](#sel7KfKGAqAABVBP) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | productFacade | | Multiplicity | 1 | | Visibility | private | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (orderManager) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [OrderManager](#7ul7KfKGAqAABU8Z) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | orderManager | | Multiplicity | 1 | | Visibility | private | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

#### References

|  |  |
| --- | --- |
| [C:\Users\Zaic\Dropbox\OU\3 level\TM470\EMA\Shop20\build\web\WEB-INF\classes\controller\ControllerServlet.class](file:///C:\Users\Zaic\Dropbox\OU\3%20level\TM470\EMA\Shop20\build\web\WEB-INF\classes\controller\ControllerServlet.class) | |
| Description | Source |
| Type | File |

### Image2.png AbstractFacade

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Documentation | @author tgiunipero |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private entityClass : java.lang.Class** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | java.lang.Class | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

#### Operations

|  |  |
| --- | --- |
| **public AbstractFacade (entityClass : Class)** | |
| Parameters | |  |  | | --- | --- | | **entityClass** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Template Type Bind Info | N/A | | Type | Class | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| ***protected getEntityManager () : javax.persistence.EntityManager*** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public create (entity : T) : void** | |
| Parameters | |  |  | | --- | --- | | **entity** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | T | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public edit (entity : T) : void** | |
| Parameters | |  |  | | --- | --- | | **entity** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | T | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public remove (entity : T) : void** | |
| Parameters | |  |  | | --- | --- | | **entity** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | T | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public find (id : Object) : T** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public findAll () : java.util.List** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Template Type Bind Info | N/A |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public findRange (range : int) : java.util.List** | |
| Parameters | |  |  | | --- | --- | | **range** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type Modifier | [] | | Type | Image3.png int | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Template Type Bind Info | N/A |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public count () : int** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public AbstractFacade (entityClass : java.lang.Class)** | |
| Parameters | |  |  | | --- | --- | | **entityClass** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Class | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public create (entity : java.lang.Object) : void** | |
| Parameters | |  |  | | --- | --- | | **entity** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public edit (entity : java.lang.Object) : void** | |
| Parameters | |  |  | | --- | --- | | **entity** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public remove (entity : java.lang.Object) : void** | |
| Parameters | |  |  | | --- | --- | | **entity** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public find (id : java.lang.Object) : java.lang.Object** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| To | Image2.png [CustomerOrderFacade](#yqLnafKGAqAABWWK) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Substitutable | false |
| Template Type Bind Info | N/A |
| Visibility | Unspecified |

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| To | Image2.png [ProductFacade](#yqLnafKGAqAABWWB) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Substitutable | false |
| Template Type Bind Info | N/A |
| Visibility | Unspecified |

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| To | Image2.png [CategoryFacade](#yqLnafKGAqAABWWQ) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Substitutable | false |
| Template Type Bind Info | N/A |
| Visibility | Unspecified |

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| To | Image2.png [CustomerFacade](#yqLnafKGAqAABWWN) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Substitutable | false |
| Template Type Bind Info | N/A |
| Visibility | Unspecified |

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| To | Image2.png [OrderedProductFacade](#yqLnafKGAqAABWWH) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Substitutable | false |
| Template Type Bind Info | N/A |
| Visibility | Unspecified |

#### Template Parameters

|  |  |
| --- | --- |
| **T** | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |

#### References

|  |  |
| --- | --- |
| [C:\Users\Zaic\Dropbox\OU\3 level\TM470\EMA\Shop20\build\web\WEB-INF\classes\session\AbstractFacade.class](file:///C:\Users\Zaic\Dropbox\OU\3%20level\TM470\EMA\Shop20\build\web\WEB-INF\classes\session\AbstractFacade.class) | |
| Description | Source |
| Type | File |

### Image2.png ProductFacade

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Documentation | @author tgiunipero |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private em : javax.persistence.EntityManager** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | javax.persistence.EntityManager | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

#### Operations

|  |  |
| --- | --- |
| **protected getEntityManager () : javax.persistence.EntityManager** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public ProductFacade ()** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| From | Image2.png [AbstractFacade](#yqLnafKGAqAABWWT) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Substitutable | false |
| Template Type Bind Info | N/A |
| Visibility | Unspecified |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [OrderManager](#7ul7KfKGAqAABU8Z) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [ControllerServlet](#h6l7KfKGAqAABUN9) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

#### References

|  |  |
| --- | --- |
| [C:\Users\Zaic\Dropbox\OU\3 level\TM470\EMA\Shop20\build\web\WEB-INF\classes\session\ProductFacade.class](file:///C:\Users\Zaic\Dropbox\OU\3%20level\TM470\EMA\Shop20\build\web\WEB-INF\classes\session\ProductFacade.class) | |
| Description | Source |
| Type | File |

### Image2.png CategoryFacade

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Documentation | @author tgiunipero |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private em : javax.persistence.EntityManager** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | javax.persistence.EntityManager | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

#### Operations

|  |  |
| --- | --- |
| **protected getEntityManager () : javax.persistence.EntityManager** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public CategoryFacade ()** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| From | Image2.png [AbstractFacade](#yqLnafKGAqAABWWT) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Substitutable | false |
| Template Type Bind Info | N/A |
| Visibility | Unspecified |

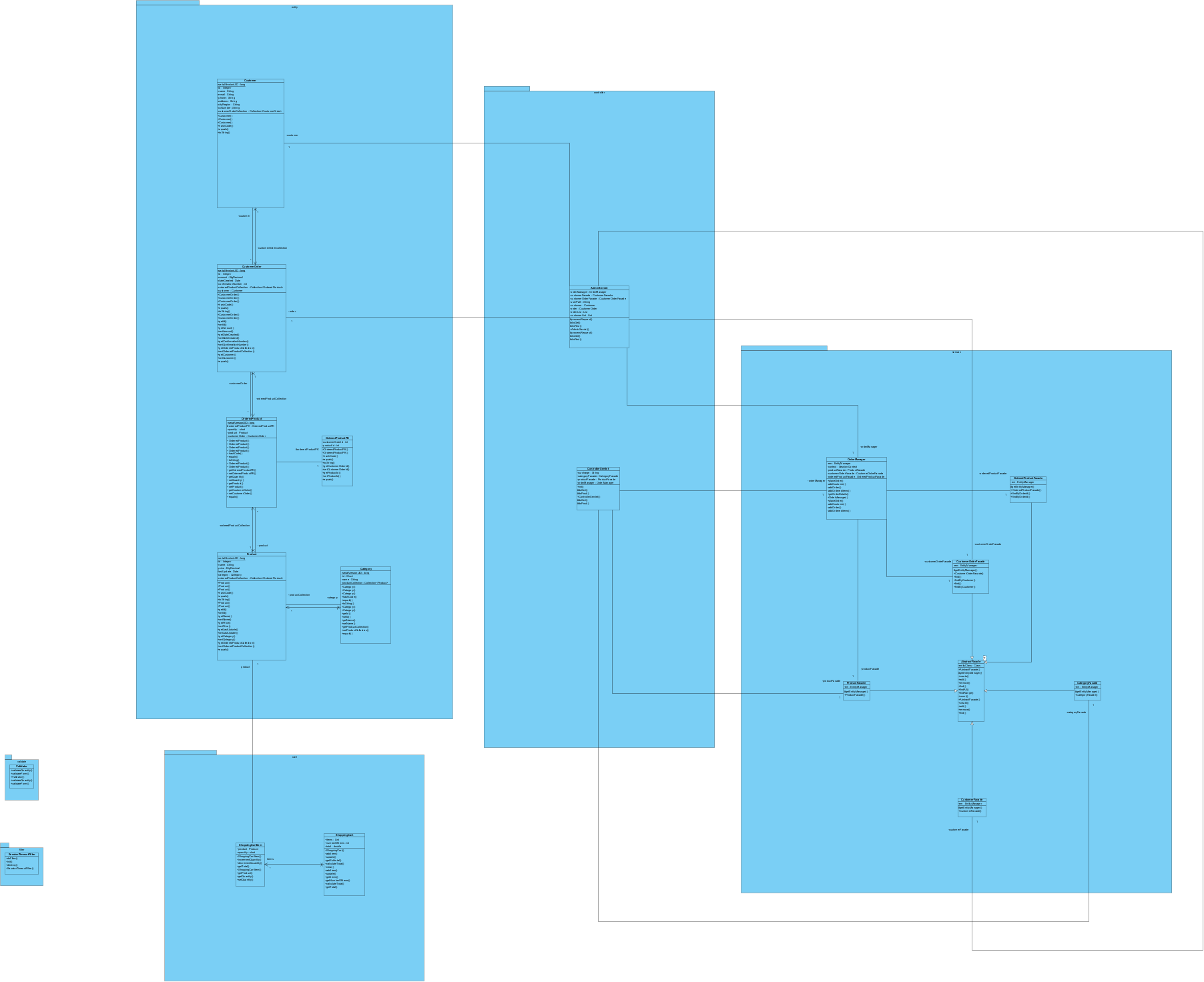
|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [ControllerServlet](#h6l7KfKGAqAABUN9) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

#### References

|  |  |
| --- | --- |
| [C:\Users\Zaic\Dropbox\OU\3 level\TM470\EMA\Shop20\build\web\WEB-INF\classes\session\CategoryFacade.class](file:///C:\Users\Zaic\Dropbox\OU\3%20level\TM470\EMA\Shop20\build\web\WEB-INF\classes\session\CategoryFacade.class) | |
| Description | Source |
| Type | File |

Class Diagram

# Shop20 class diagram



|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 22:54:58 |
| Last Modified | 04-Sep-2015 07:07:32 |
| Request Validate Snap To Grid | false |
| Name | Shop20 class diagram |

## Summary

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png [entity](#QgUsqfKGAqAABSGI) |  |
| Image2.png [Customer](#QgUsqfKGAqAABSGC) | @author tgiunipero |
| Image1.png [controller](#wgUsqfKGAqAABSGR) |  |
| Image2.png [CustomerOrder](#QgUsqfKGAqAABSF_) | @author tgiunipero |
| Image2.png [AdminServlet](#wgUsqfKGAqAABSGO) | @author tgiunipero |
| Image1.png [session](#ggUsqfKGAqAABSFt) |  |
| Image2.png [OrderedProduct](#QgUsqfKGAqAABSF8) | @author tgiunipero |
| Image2.png [OrderedProductPK](#QgUsqfKGAqAABSF5) | @author tgiunipero |
| Image2.png [OrderManager](#AgUsqfKGAqAABSFb) | @author tgiunipero |
| Image2.png [ControllerServlet](#wgUsqfKGAqAABSGL) | @author tgiunipero |
| Image2.png [OrderedProductFacade](#AgUsqfKGAqAABSFe) | @author tgiunipero |
| Image2.png [Product](#QgUsqfKGAqAABSF2) | @author tgiunipero |
| Image2.png [CustomerOrderFacade](#AgUsqfKGAqAABSFh) | @author tgiunipero |
| Image2.png [Category](#QgUsqfKGAqAABSGF) | @author tgiunipero |
| Image2.png [AbstractFacade](#ggUsqfKGAqAABSFq) | @author tgiunipero |
| Image2.png [ProductFacade](#AgUsqfKGAqAABSFY) | @author tgiunipero |
| Image2.png [CategoryFacade](#ggUsqfKGAqAABSFn) | @author tgiunipero |
| Image1.png [cart](#wgUsqfKGAqAABSGa) |  |
| Image1.png [validate](#AgUsqfKGAqAABSFV) |  |
| Image2.png [Validator](#fAUsqfKGAqAABSFS) | @author tgiunipero |
| Image2.png [CustomerFacade](#AgUsqfKGAqAABSFk) | @author tgiunipero |
| Image2.png [ShoppingCart](#wgUsqfKGAqAABSGX) |  |
| Image1.png [filter](#ggUsqfKGAqAABSFz) |  |
| Image2.png [ShoppingCartItem](#wgUsqfKGAqAABSGU) | @author tgiunipero |
| Image2.png [SessionTimeoutFilter](#ggUsqfKGAqAABSFw) | @author tgiunipero |

## Details

### Image1.png entity

|  |  |
| --- | --- |
| **Name** | **Value** |
| Abstract | false |
| Leaf | false |
| Root | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 06:57:03 |
| Visibility | public |

#### Children

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image2.png [Customer](#QgUsqfKGAqAABSGC) | @author tgiunipero |
| Image2.png [CustomerOrder](#QgUsqfKGAqAABSF_) | @author tgiunipero |
| Image2.png [OrderedProduct](#QgUsqfKGAqAABSF8) | @author tgiunipero |
| Image2.png [OrderedProductPK](#QgUsqfKGAqAABSF5) | @author tgiunipero |
| Image2.png [Product](#QgUsqfKGAqAABSF2) | @author tgiunipero |
| Image2.png [Category](#QgUsqfKGAqAABSGF) | @author tgiunipero |

### Image2.png Customer

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Documentation | @author tgiunipero |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:27:08 |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private serialVersionUID : long** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:27:08 | | |
| Initial Value | 1L | | |
| Type | Image3.png long | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private id : Integer** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:27:08 | | |
| Type | Integer | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private name : String** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:27:08 | | |
| Type | Image3.png String | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private email : String** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:27:08 | | |
| Type | Image3.png String | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private phone : String** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:27:08 | | |
| Type | Image3.png String | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private address : String** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:27:08 | | |
| Type | Image3.png String | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private cityRegion : String** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:27:08 | | |
| Type | Image3.png String | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private ccNumber : String** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:27:08 | | |
| Type | Image3.png String | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private customerOrderCollection : java.util.Collection** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:27:08 | | |
| Template Type Bind Info | N/A | | |
| Type | java.util.Collection | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

#### Operations

|  |  |
| --- | --- |
| **public Customer ()** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:27:08 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public Customer (id : Integer)** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Integer | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:27:08 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public Customer (id : Integer, name : String, email : String, phone : String, address : String, cityRegion : String, ccNumber : String)** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Integer | | Direction | inout |  |  |  | | --- | --- | | **name** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **email** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **phone** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **address** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **cityRegion** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **ccNumber** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Image3.png String | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:27:08 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public hashCode () : int** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:27:08 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public equals (object : Object) : boolean** | |
| Parameters | |  |  | | --- | --- | | **object** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:27:08 | | Type | Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:27:08 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public toString () : String** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:27:08 |
| Ordered | false |
| Unique | true |
| Query | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (customerOrderCollection) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [CustomerOrder](#6ml7KfKGAqAABUdM) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:27:08 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | customerOrderCollection | | Multiplicity | \* | | Visibility | private | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:27:08 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [AdminServlet](#_al7KfKGAqAABUK2) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [CustomerOrder](#6ml7KfKGAqAABUdM) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

#### References

|  |  |
| --- | --- |
| [C:\Users\Zaic\Dropbox\OU\3 level\TM470\EMA\Shop20\src\java\entity\Customer.java](file:///C:\Users\Zaic\Dropbox\OU\3%20level\TM470\EMA\Shop20\src\java\entity\Customer.java) | |
| Description | Source |
| Type | File |

### Image1.png controller

|  |  |
| --- | --- |
| **Name** | **Value** |
| Abstract | false |
| Leaf | false |
| Root | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 06:57:03 |
| Visibility | public |

#### Children

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image2.png [AdminServlet](#wgUsqfKGAqAABSGO) | @author tgiunipero |
| Image2.png [ControllerServlet](#wgUsqfKGAqAABSGL) | @author tgiunipero |

### Image2.png CustomerOrder

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Documentation | @author tgiunipero |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private serialVersionUID : long** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Initial Value | 1 | | |
| Type | Image3.png long | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private id : java.lang.Integer** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | java.lang.Integer | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private amount : java.math.BigDecimal** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | java.math.BigDecimal | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private dateCreated : java.util.Date** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | java.util.Date | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private confirmationNumber : int** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image3.png int | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private orderedProductCollection : java.util.Collection** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Template Type Bind Info | N/A | | |
| Type | java.util.Collection | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private customer : Customer** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image2.png [Customer](#1Gl7KfKGAqAABUUo) | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

#### Operations

|  |  |
| --- | --- |
| **public CustomerOrder ()** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public CustomerOrder (id : Integer)** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Integer | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public CustomerOrder (id : Integer, amount : java.math.BigDecimal, dateCreated : java.util.Date, confirmationNumber : int)** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Integer | | Direction | inout |  |  |  | | --- | --- | | **amount** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | java.math.BigDecimal | | Direction | inout |  |  |  | | --- | --- | | **dateCreated** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | java.util.Date | | Direction | inout |  |  |  | | --- | --- | | **confirmationNumber** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Image3.png int | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public hashCode () : int** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public equals (object : Object) : boolean** | |
| Parameters | |  |  | | --- | --- | | **object** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public toString () : java.lang.String** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public CustomerOrder (id : java.lang.Integer)** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Integer | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public CustomerOrder (id : java.lang.Integer, amount : java.math.BigDecimal, dateCreated : java.util.Date, confirmationNumber : int)** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Integer | | Direction | inout |  |  |  | | --- | --- | | **amount** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.math.BigDecimal | | Direction | inout |  |  |  | | --- | --- | | **dateCreated** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.util.Date | | Direction | inout |  |  |  | | --- | --- | | **confirmationNumber** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png int | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getId () : java.lang.Integer** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setId (id : java.lang.Integer) : void** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Integer | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getAmount () : java.math.BigDecimal** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setAmount (amount : java.math.BigDecimal) : void** | |
| Parameters | |  |  | | --- | --- | | **amount** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.math.BigDecimal | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getDateCreated () : java.util.Date** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setDateCreated (dateCreated : java.util.Date) : void** | |
| Parameters | |  |  | | --- | --- | | **dateCreated** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.util.Date | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getConfirmationNumber () : int** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setConfirmationNumber (confirmationNumber : int) : void** | |
| Parameters | |  |  | | --- | --- | | **confirmationNumber** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png int | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getOrderedProductCollection () : java.util.Collection** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setOrderedProductCollection (orderedProductCollection : java.util.Collection) : void** | |
| Parameters | |  |  | | --- | --- | | **orderedProductCollection** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.util.Collection | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getCustomer () : Customer** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setCustomer (customer : Customer) : void** | |
| Parameters | |  |  | | --- | --- | | **customer** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [Customer](#1Gl7KfKGAqAABUUo) | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public equals (object : java.lang.Object) : boolean** | |
| Parameters | |  |  | | --- | --- | | **object** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (orderedProductCollection) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [OrderedProduct](#cWl7KfKGAqAABUj4) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | orderedProductCollection | | Multiplicity | \* | | Visibility | private | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (customer) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [Customer](#1Gl7KfKGAqAABUUo) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | customer | | Multiplicity | 1 | | Visibility | private | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [OrderedProduct](#cWl7KfKGAqAABUj4) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [AdminServlet](#_al7KfKGAqAABUK2) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [Customer](#1Gl7KfKGAqAABUUo) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:27:08 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | false | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:27:08 |
| Derived | false |

#### References

|  |  |
| --- | --- |
| [C:\Users\Zaic\Dropbox\OU\3 level\TM470\EMA\Shop20\build\web\WEB-INF\classes\entity\CustomerOrder.class](file:///C:\Users\Zaic\Dropbox\OU\3%20level\TM470\EMA\Shop20\build\web\WEB-INF\classes\entity\CustomerOrder.class) | |
| Description | Source |
| Type | File |

### Image2.png AdminServlet

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Documentation | @author tgiunipero |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private orderManager : OrderManager** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image2.png [OrderManager](#7ul7KfKGAqAABU8Z) | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private customerFacade : CustomerFacade** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image2.png [CustomerFacade](#Cul7KfKGAqAABU5B) | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private customerOrderFacade : CustomerOrderFacade** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image2.png [CustomerOrderFacade](#uul7KfKGAqAABU5z) | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private userPath : java.lang.String** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | java.lang.String | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private customer : Customer** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image2.png [Customer](#1Gl7KfKGAqAABUUo) | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private order : CustomerOrder** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image2.png [CustomerOrder](#6ml7KfKGAqAABUdM) | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private orderList : java.util.List** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | java.util.List | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private customerList : java.util.List** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | java.util.List | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

#### Operations

|  |  |
| --- | --- |
| **protected processRequest (request : HttpServletRequest, response : HttpServletResponse) : void** | |
| Parameters | |  |  | | --- | --- | | **request** | | | Multiplicity | Unspecified | | Documentation | servlet request | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | HttpServletRequest | | Direction | inout |  |  |  | | --- | --- | | **response** | | | Multiplicity | Unspecified | | Documentation | servlet response | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | HttpServletResponse | | Direction | inout | |
| Static | false |
| Leaf | false |
| Documentation | Processes requests for both HTTP <code>GET</code> and <code>POST</code> methods. |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Return Type Documentation | @throws IOException if an I/O error occurs |
| Query | false |

|  |  |
| --- | --- |
| **protected doGet (request : HttpServletRequest, response : HttpServletResponse) : void** | |
| Parameters | |  |  | | --- | --- | | **request** | | | Multiplicity | Unspecified | | Documentation | servlet request | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | HttpServletRequest | | Direction | inout |  |  |  | | --- | --- | | **response** | | | Multiplicity | Unspecified | | Documentation | servlet response | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | HttpServletResponse | | Direction | inout | |
| Static | false |
| Leaf | false |
| Documentation | Handles the HTTP <code>GET</code> method. |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Return Type Documentation | @throws IOException if an I/O error occurs |
| Query | false |

|  |  |
| --- | --- |
| **protected doPost (request : HttpServletRequest, response : HttpServletResponse) : void** | |
| Parameters | |  |  | | --- | --- | | **request** | | | Multiplicity | Unspecified | | Documentation | servlet request | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | HttpServletRequest | | Direction | inout |  |  |  | | --- | --- | | **response** | | | Multiplicity | Unspecified | | Documentation | servlet response | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | HttpServletResponse | | Direction | inout | |
| Static | false |
| Leaf | false |
| Documentation | Handles the HTTP <code>POST</code> method. |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Return Type Documentation | @throws IOException if an I/O error occurs |
| Query | false |

|  |  |
| --- | --- |
| **public AdminServlet ()** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **protected processRequest (request : javax.servlet.http.HttpServletRequest, response : javax.servlet.http.HttpServletResponse) : void** | |
| Parameters | |  |  | | --- | --- | | **request** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | javax.servlet.http.HttpServletRequest | | Direction | inout |  |  |  | | --- | --- | | **response** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | javax.servlet.http.HttpServletResponse | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **protected doGet (request : javax.servlet.http.HttpServletRequest, response : javax.servlet.http.HttpServletResponse) : void** | |
| Parameters | |  |  | | --- | --- | | **request** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | javax.servlet.http.HttpServletRequest | | Direction | inout |  |  |  | | --- | --- | | **response** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | javax.servlet.http.HttpServletResponse | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **protected doPost (request : javax.servlet.http.HttpServletRequest, response : javax.servlet.http.HttpServletResponse) : void** | |
| Parameters | |  |  | | --- | --- | | **request** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | javax.servlet.http.HttpServletRequest | | Direction | inout |  |  |  | | --- | --- | | **response** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | javax.servlet.http.HttpServletResponse | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (customer) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [Customer](#1Gl7KfKGAqAABUUo) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | customer | | Multiplicity | 1 | | Visibility | private | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (order) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [CustomerOrder](#6ml7KfKGAqAABUdM) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | order | | Multiplicity | 1 | | Visibility | private | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (customerOrderFacade) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [CustomerOrderFacade](#uul7KfKGAqAABU5z) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | customerOrderFacade | | Multiplicity | 1 | | Visibility | private | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (customerFacade) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [CustomerFacade](#Cul7KfKGAqAABU5B) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | customerFacade | | Multiplicity | 1 | | Visibility | private | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (orderManager) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [OrderManager](#7ul7KfKGAqAABU8Z) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | orderManager | | Multiplicity | 1 | | Visibility | private | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

#### References

|  |  |
| --- | --- |
| [C:\Users\Zaic\Dropbox\OU\3 level\TM470\EMA\Shop20\build\web\WEB-INF\classes\controller\AdminServlet.class](file:///C:\Users\Zaic\Dropbox\OU\3%20level\TM470\EMA\Shop20\build\web\WEB-INF\classes\controller\AdminServlet.class) | |
| Description | Source |
| Type | File |

### Image1.png session

|  |  |
| --- | --- |
| **Name** | **Value** |
| Abstract | false |
| Leaf | false |
| Root | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 06:57:03 |
| Visibility | public |

#### Children

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image2.png [OrderManager](#AgUsqfKGAqAABSFb) | @author tgiunipero |
| Image2.png [OrderedProductFacade](#AgUsqfKGAqAABSFe) | @author tgiunipero |
| Image2.png [CustomerOrderFacade](#AgUsqfKGAqAABSFh) | @author tgiunipero |
| Image2.png [AbstractFacade](#ggUsqfKGAqAABSFq) | @author tgiunipero |
| Image2.png [ProductFacade](#AgUsqfKGAqAABSFY) | @author tgiunipero |
| Image2.png [CategoryFacade](#ggUsqfKGAqAABSFn) | @author tgiunipero |
| Image2.png [CustomerFacade](#AgUsqfKGAqAABSFk) | @author tgiunipero |

### Image2.png OrderedProduct

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Documentation | @author tgiunipero |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private serialVersionUID : long** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Initial Value | 1 | | |
| Type | Image3.png long | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **protected orderedProductPK : OrderedProductPK** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image2.png [OrderedProductPK](#tWl7KfKGAqAABUpX) | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private quantity : short** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image3.png short | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private product : Product** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image2.png [Product](#o2l7KfKGAqAABUsa) | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private customerOrder : CustomerOrder** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image2.png [CustomerOrder](#6ml7KfKGAqAABUdM) | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

#### Operations

|  |  |
| --- | --- |
| **public OrderedProduct ()** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public OrderedProduct (orderedProductPK : OrderedProductPK)** | |
| Parameters | |  |  | | --- | --- | | **orderedProductPK** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Image2.png [OrderedProductPK](#tWl7KfKGAqAABUpX) | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public OrderedProduct (orderedProductPK : OrderedProductPK, quantity : short)** | |
| Parameters | |  |  | | --- | --- | | **orderedProductPK** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Image2.png [OrderedProductPK](#tWl7KfKGAqAABUpX) | | Direction | inout |  |  |  | | --- | --- | | **quantity** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Image3.png short | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public OrderedProduct (customerOrderId : int, productId : int)** | |
| Parameters | |  |  | | --- | --- | | **customerOrderId** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Image3.png int | | Direction | inout |  |  |  | | --- | --- | | **productId** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Image3.png int | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public hashCode () : int** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public equals (object : Object) : boolean** | |
| Parameters | |  |  | | --- | --- | | **object** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public toString () : java.lang.String** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public OrderedProduct (orderedProductPK : OrderedProductPK)** | |
| Parameters | |  |  | | --- | --- | | **orderedProductPK** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [OrderedProductPK](#tWl7KfKGAqAABUpX) | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public OrderedProduct (orderedProductPK : OrderedProductPK, quantity : short)** | |
| Parameters | |  |  | | --- | --- | | **orderedProductPK** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [OrderedProductPK](#tWl7KfKGAqAABUpX) | | Direction | inout |  |  |  | | --- | --- | | **quantity** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png short | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getOrderedProductPK () : OrderedProductPK** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setOrderedProductPK (orderedProductPK : OrderedProductPK) : void** | |
| Parameters | |  |  | | --- | --- | | **orderedProductPK** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [OrderedProductPK](#tWl7KfKGAqAABUpX) | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getQuantity () : short** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setQuantity (quantity : short) : void** | |
| Parameters | |  |  | | --- | --- | | **quantity** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png short | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getProduct () : Product** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setProduct (product : Product) : void** | |
| Parameters | |  |  | | --- | --- | | **product** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [Product](#o2l7KfKGAqAABUsa) | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getCustomerOrder () : CustomerOrder** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setCustomerOrder (customerOrder : CustomerOrder) : void** | |
| Parameters | |  |  | | --- | --- | | **customerOrder** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [CustomerOrder](#6ml7KfKGAqAABUdM) | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public equals (object : java.lang.Object) : boolean** | |
| Parameters | |  |  | | --- | --- | | **object** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (customerOrder) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [CustomerOrder](#6ml7KfKGAqAABUdM) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | customerOrder | | Multiplicity | 1 | | Visibility | private | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (product) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [Product](#o2l7KfKGAqAABUsa) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | product | | Multiplicity | 1 | | Visibility | private | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (orderedProductPK) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [OrderedProductPK](#tWl7KfKGAqAABUpX) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | orderedProductPK | | Multiplicity | 1 | | Visibility | protected | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [CustomerOrder](#6ml7KfKGAqAABUdM) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | false | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [Product](#o2l7KfKGAqAABUsa) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | false | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

#### References

|  |  |
| --- | --- |
| [C:\Users\Zaic\Dropbox\OU\3 level\TM470\EMA\Shop20\build\web\WEB-INF\classes\entity\OrderedProduct.class](file:///C:\Users\Zaic\Dropbox\OU\3%20level\TM470\EMA\Shop20\build\web\WEB-INF\classes\entity\OrderedProduct.class) | |
| Description | Source |
| Type | File |

### Image2.png OrderedProductPK

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Documentation | @author tgiunipero |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private customerOrderId : int** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image3.png int | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private productId : int** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image3.png int | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

#### Operations

|  |  |
| --- | --- |
| **public OrderedProductPK ()** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public OrderedProductPK (customerOrderId : int, productId : int)** | |
| Parameters | |  |  | | --- | --- | | **customerOrderId** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Image3.png int | | Direction | inout |  |  |  | | --- | --- | | **productId** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Image3.png int | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public hashCode () : int** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public equals (object : Object) : boolean** | |
| Parameters | |  |  | | --- | --- | | **object** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public toString () : java.lang.String** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getCustomerOrderId () : int** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setCustomerOrderId (customerOrderId : int) : void** | |
| Parameters | |  |  | | --- | --- | | **customerOrderId** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png int | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getProductId () : int** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setProductId (productId : int) : void** | |
| Parameters | |  |  | | --- | --- | | **productId** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png int | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public equals (object : java.lang.Object) : boolean** | |
| Parameters | |  |  | | --- | --- | | **object** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [OrderedProduct](#cWl7KfKGAqAABUj4) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

#### References

|  |  |
| --- | --- |
| [C:\Users\Zaic\Dropbox\OU\3 level\TM470\EMA\Shop20\build\web\WEB-INF\classes\entity\OrderedProductPK.class](file:///C:\Users\Zaic\Dropbox\OU\3%20level\TM470\EMA\Shop20\build\web\WEB-INF\classes\entity\OrderedProductPK.class) | |
| Description | Source |
| Type | File |

### Image2.png OrderManager

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Documentation | @author tgiunipero |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private em : javax.persistence.EntityManager** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | javax.persistence.EntityManager | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private context : javax.ejb.SessionContext** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | javax.ejb.SessionContext | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private productFacade : ProductFacade** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image2.png [ProductFacade](#sel7KfKGAqAABVBP) | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private customerOrderFacade : CustomerOrderFacade** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image2.png [CustomerOrderFacade](#uul7KfKGAqAABU5z) | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private orderedProductFacade : OrderedProductFacade** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image2.png [OrderedProductFacade](#lul7KfKGAqAABU7R) | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

#### Operations

|  |  |
| --- | --- |
| **public placeOrder (name : String, email : String, phone : String, address : String, cityRegion : String, ccNumber : String, cart : ShoppingCart) : int** | |
| Parameters | |  |  | | --- | --- | | **name** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **email** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **phone** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **address** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **cityRegion** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **ccNumber** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **cart** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [ShoppingCart](#ubbjKfKGAqAABRnM) | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **private addCustomer (name : String, email : String, phone : String, address : String, cityRegion : String, ccNumber : String) : Customer** | |
| Parameters | |  |  | | --- | --- | | **name** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **email** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **phone** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **address** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **cityRegion** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **ccNumber** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **private addOrder (customer : Customer, cart : ShoppingCart) : CustomerOrder** | |
| Parameters | |  |  | | --- | --- | | **customer** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [Customer](#1Gl7KfKGAqAABUUo) | | Direction | inout |  |  |  | | --- | --- | | **cart** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [ShoppingCart](#ubbjKfKGAqAABRnM) | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **private addOrderedItems (order : CustomerOrder, cart : ShoppingCart) : void** | |
| Parameters | |  |  | | --- | --- | | **order** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [CustomerOrder](#6ml7KfKGAqAABUdM) | | Direction | inout |  |  |  | | --- | --- | | **cart** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [ShoppingCart](#ubbjKfKGAqAABRnM) | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getOrderDetails (orderId : int) : java.util.Map** | |
| Parameters | |  |  | | --- | --- | | **orderId** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png int | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public OrderManager ()** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public placeOrder (name : java.lang.String, email : java.lang.String, phone : java.lang.String, address : java.lang.String, cityRegion : java.lang.String, ccNumber : java.lang.String, cart : ShoppingCart) : int** | |
| Parameters | |  |  | | --- | --- | | **name** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout |  |  |  | | --- | --- | | **email** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout |  |  |  | | --- | --- | | **phone** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout |  |  |  | | --- | --- | | **address** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout |  |  |  | | --- | --- | | **cityRegion** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout |  |  |  | | --- | --- | | **ccNumber** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout |  |  |  | | --- | --- | | **cart** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [ShoppingCart](#ubbjKfKGAqAABRnM) | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **private addCustomer (name : java.lang.String, email : java.lang.String, phone : java.lang.String, address : java.lang.String, cityRegion : java.lang.String, ccNumber : java.lang.String) : Customer** | |
| Parameters | |  |  | | --- | --- | | **name** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout |  |  |  | | --- | --- | | **email** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout |  |  |  | | --- | --- | | **phone** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout |  |  |  | | --- | --- | | **address** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout |  |  |  | | --- | --- | | **cityRegion** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout |  |  |  | | --- | --- | | **ccNumber** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **private addOrder (customer : Customer, cart : ShoppingCart) : CustomerOrder** | |
| Parameters | |  |  | | --- | --- | | **customer** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [Customer](#1Gl7KfKGAqAABUUo) | | Direction | inout |  |  |  | | --- | --- | | **cart** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [ShoppingCart](#ubbjKfKGAqAABRnM) | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **private addOrderedItems (order : CustomerOrder, cart : ShoppingCart) : void** | |
| Parameters | |  |  | | --- | --- | | **order** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [CustomerOrder](#6ml7KfKGAqAABUdM) | | Direction | inout |  |  |  | | --- | --- | | **cart** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [ShoppingCart](#ubbjKfKGAqAABRnM) | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (productFacade) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [ProductFacade](#sel7KfKGAqAABVBP) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | productFacade | | Multiplicity | 1 | | Visibility | private | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (orderedProductFacade) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [OrderedProductFacade](#lul7KfKGAqAABU7R) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | orderedProductFacade | | Multiplicity | 1 | | Visibility | private | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (customerOrderFacade) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [CustomerOrderFacade](#uul7KfKGAqAABU5z) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | customerOrderFacade | | Multiplicity | 1 | | Visibility | private | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [ControllerServlet](#h6l7KfKGAqAABUN9) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [AdminServlet](#_al7KfKGAqAABUK2) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

#### References

|  |  |
| --- | --- |
| [C:\Users\Zaic\Dropbox\OU\3 level\TM470\EMA\Shop20\build\web\WEB-INF\classes\session\OrderManager.class](file:///C:\Users\Zaic\Dropbox\OU\3%20level\TM470\EMA\Shop20\build\web\WEB-INF\classes\session\OrderManager.class) | |
| Description | Source |
| Type | File |

### Image2.png ControllerServlet

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Documentation | @author tgiunipero |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private surcharge : java.lang.String** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | java.lang.String | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private categoryFacade : CategoryFacade** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image2.png [CategoryFacade](#Yul7KfKGAqAABU4P) | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private productFacade : ProductFacade** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image2.png [ProductFacade](#sel7KfKGAqAABVBP) | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private orderManager : OrderManager** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image2.png [OrderManager](#7ul7KfKGAqAABU8Z) | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

#### Operations

|  |  |
| --- | --- |
| **public init (servletConfig : javax.servlet.ServletConfig) : void** | |
| Parameters | |  |  | | --- | --- | | **servletConfig** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | javax.servlet.ServletConfig | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **protected doGet (request : HttpServletRequest, response : HttpServletResponse) : void** | |
| Parameters | |  |  | | --- | --- | | **request** | | | Multiplicity | Unspecified | | Documentation | servlet request | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | HttpServletRequest | | Direction | inout |  |  |  | | --- | --- | | **response** | | | Multiplicity | Unspecified | | Documentation | servlet response | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | HttpServletResponse | | Direction | inout | |
| Static | false |
| Leaf | false |
| Documentation | Handles the HTTP <code>GET</code> method. |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Return Type Documentation | @throws IOException if an I/O error occurs |
| Query | false |

|  |  |
| --- | --- |
| **protected doPost (request : HttpServletRequest, response : HttpServletResponse) : void** | |
| Parameters | |  |  | | --- | --- | | **request** | | | Multiplicity | Unspecified | | Documentation | servlet request | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | HttpServletRequest | | Direction | inout |  |  |  | | --- | --- | | **response** | | | Multiplicity | Unspecified | | Documentation | servlet response | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | HttpServletResponse | | Direction | inout | |
| Static | false |
| Leaf | false |
| Documentation | Handles the HTTP <code>POST</code> method. |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Return Type Documentation | @throws IOException if an I/O error occurs |
| Query | false |

|  |  |
| --- | --- |
| **public ControllerServlet ()** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **protected doGet (request : javax.servlet.http.HttpServletRequest, response : javax.servlet.http.HttpServletResponse) : void** | |
| Parameters | |  |  | | --- | --- | | **request** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | javax.servlet.http.HttpServletRequest | | Direction | inout |  |  |  | | --- | --- | | **response** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | javax.servlet.http.HttpServletResponse | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **protected doPost (request : javax.servlet.http.HttpServletRequest, response : javax.servlet.http.HttpServletResponse) : void** | |
| Parameters | |  |  | | --- | --- | | **request** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | javax.servlet.http.HttpServletRequest | | Direction | inout |  |  |  | | --- | --- | | **response** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | javax.servlet.http.HttpServletResponse | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (categoryFacade) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [CategoryFacade](#Yul7KfKGAqAABU4P) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | categoryFacade | | Multiplicity | 1 | | Visibility | private | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (productFacade) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [ProductFacade](#sel7KfKGAqAABVBP) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | productFacade | | Multiplicity | 1 | | Visibility | private | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (orderManager) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [OrderManager](#7ul7KfKGAqAABU8Z) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | orderManager | | Multiplicity | 1 | | Visibility | private | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

#### References

|  |  |
| --- | --- |
| [C:\Users\Zaic\Dropbox\OU\3 level\TM470\EMA\Shop20\build\web\WEB-INF\classes\controller\ControllerServlet.class](file:///C:\Users\Zaic\Dropbox\OU\3%20level\TM470\EMA\Shop20\build\web\WEB-INF\classes\controller\ControllerServlet.class) | |
| Description | Source |
| Type | File |

### Image2.png OrderedProductFacade

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Documentation | @author tgiunipero |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private em : javax.persistence.EntityManager** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | javax.persistence.EntityManager | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

#### Operations

|  |  |
| --- | --- |
| **protected getEntityManager () : javax.persistence.EntityManager** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public OrderedProductFacade ()** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public findByOrderId (id : Object) : java.util.List** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Documentation | manually created |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Template Type Bind Info | N/A |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public findByOrderId (id : java.lang.Object) : java.util.List** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [OrderManager](#7ul7KfKGAqAABU8Z) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| From | Image2.png [AbstractFacade](#ggUsqfKGAqAABSFq) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Substitutable | false |
| Template Type Bind Info | N/A |
| Visibility | Unspecified |

#### References

|  |  |
| --- | --- |
| [C:\Users\Zaic\Dropbox\OU\3 level\TM470\EMA\Shop20\build\web\WEB-INF\classes\session\OrderedProductFacade.class](file:///C:\Users\Zaic\Dropbox\OU\3%20level\TM470\EMA\Shop20\build\web\WEB-INF\classes\session\OrderedProductFacade.class) | |
| Description | Source |
| Type | File |

### Image2.png Product

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Documentation | @author tgiunipero |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private serialVersionUID : long** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Initial Value | 1 | | |
| Type | Image3.png long | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private id : java.lang.Integer** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | java.lang.Integer | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private name : java.lang.String** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | java.lang.String | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private price : java.math.BigDecimal** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | java.math.BigDecimal | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private lastUpdate : java.util.Date** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | java.util.Date | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private category : Category** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image2.png [Category](#_6l7KfKGAqAABUQX) | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private orderedProductCollection : java.util.Collection** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Template Type Bind Info | N/A | | |
| Type | java.util.Collection | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

#### Operations

|  |  |
| --- | --- |
| **public Product ()** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public Product (id : Integer)** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Integer | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public Product (id : Integer, name : String, price : java.math.BigDecimal, lastUpdate : java.util.Date)** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Integer | | Direction | inout |  |  |  | | --- | --- | | **name** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **price** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | java.math.BigDecimal | | Direction | inout |  |  |  | | --- | --- | | **lastUpdate** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | java.util.Date | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public hashCode () : int** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public equals (object : Object) : boolean** | |
| Parameters | |  |  | | --- | --- | | **object** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public toString () : java.lang.String** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public Product (id : java.lang.Integer)** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Integer | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public Product (id : java.lang.Integer, name : java.lang.String, price : java.math.BigDecimal, lastUpdate : java.util.Date)** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Integer | | Direction | inout |  |  |  | | --- | --- | | **name** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout |  |  |  | | --- | --- | | **price** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.math.BigDecimal | | Direction | inout |  |  |  | | --- | --- | | **lastUpdate** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.util.Date | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getId () : java.lang.Integer** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setId (id : java.lang.Integer) : void** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Integer | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getName () : java.lang.String** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setName (name : java.lang.String) : void** | |
| Parameters | |  |  | | --- | --- | | **name** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getPrice () : java.math.BigDecimal** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setPrice (price : java.math.BigDecimal) : void** | |
| Parameters | |  |  | | --- | --- | | **price** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.math.BigDecimal | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getLastUpdate () : java.util.Date** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setLastUpdate (lastUpdate : java.util.Date) : void** | |
| Parameters | |  |  | | --- | --- | | **lastUpdate** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.util.Date | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getCategory () : Category** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setCategory (category : Category) : void** | |
| Parameters | |  |  | | --- | --- | | **category** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [Category](#_6l7KfKGAqAABUQX) | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getOrderedProductCollection () : java.util.Collection** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setOrderedProductCollection (orderedProductCollection : java.util.Collection) : void** | |
| Parameters | |  |  | | --- | --- | | **orderedProductCollection** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.util.Collection | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public equals (object : java.lang.Object) : boolean** | |
| Parameters | |  |  | | --- | --- | | **object** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (category) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [Category](#_6l7KfKGAqAABUQX) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | category | | Multiplicity | 1 | | Visibility | private | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (orderedProductCollection) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [OrderedProduct](#cWl7KfKGAqAABUj4) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | orderedProductCollection | | Multiplicity | \* | | Visibility | private | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [Category](#_6l7KfKGAqAABUQX) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | false | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [ShoppingCartItem](#ZJnjKfKGAqAABRzc) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [OrderedProduct](#cWl7KfKGAqAABUj4) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

#### References

|  |  |
| --- | --- |
| [C:\Users\Zaic\Dropbox\OU\3 level\TM470\EMA\Shop20\build\web\WEB-INF\classes\entity\Product.class](file:///C:\Users\Zaic\Dropbox\OU\3%20level\TM470\EMA\Shop20\build\web\WEB-INF\classes\entity\Product.class) | |
| Description | Source |
| Type | File |

### Image2.png CustomerOrderFacade

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Documentation | @author tgiunipero |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private em : javax.persistence.EntityManager** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | javax.persistence.EntityManager | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

#### Operations

|  |  |
| --- | --- |
| **protected getEntityManager () : javax.persistence.EntityManager** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public CustomerOrderFacade ()** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public find (id : Object) : CustomerOrder** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Documentation | overridden - refresh method called to retrieve order id from database |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public findByCustomer (customer : Object) : CustomerOrder** | |
| Parameters | |  |  | | --- | --- | | **customer** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Documentation | in this implementation, there is only one order per customerthe data model however allows for multiple orders per customer |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public find (id : java.lang.Object) : java.lang.Object** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public findByCustomer (customer : java.lang.Object) : CustomerOrder** | |
| Parameters | |  |  | | --- | --- | | **customer** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| From | Image2.png [AbstractFacade](#ggUsqfKGAqAABSFq) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Substitutable | false |
| Template Type Bind Info | N/A |
| Visibility | Unspecified |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [AdminServlet](#_al7KfKGAqAABUK2) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [OrderManager](#7ul7KfKGAqAABU8Z) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

#### References

|  |  |
| --- | --- |
| [C:\Users\Zaic\Dropbox\OU\3 level\TM470\EMA\Shop20\build\web\WEB-INF\classes\session\CustomerOrderFacade.class](file:///C:\Users\Zaic\Dropbox\OU\3%20level\TM470\EMA\Shop20\build\web\WEB-INF\classes\session\CustomerOrderFacade.class) | |
| Description | Source |
| Type | File |

### Image2.png Category

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Documentation | @author tgiunipero |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private serialVersionUID : long** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Initial Value | 1 | | |
| Type | Image3.png long | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private id : java.lang.Short** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | java.lang.Short | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private name : java.lang.String** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | java.lang.String | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private productCollection : java.util.Collection** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Template Type Bind Info | N/A | | |
| Type | java.util.Collection | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

#### Operations

|  |  |
| --- | --- |
| **public Category ()** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public Category (id : Short)** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Short | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public Category (id : Short, name : String)** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Short | | Direction | inout |  |  |  | | --- | --- | | **name** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Image3.png String | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public hashCode () : int** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public equals (object : Object) : boolean** | |
| Parameters | |  |  | | --- | --- | | **object** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public toString () : java.lang.String** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public Category (id : java.lang.Short)** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Short | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public Category (id : java.lang.Short, name : java.lang.String)** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Short | | Direction | inout |  |  |  | | --- | --- | | **name** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getId () : java.lang.Short** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setId (id : java.lang.Short) : void** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Short | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getName () : java.lang.String** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setName (name : java.lang.String) : void** | |
| Parameters | |  |  | | --- | --- | | **name** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getProductCollection () : java.util.Collection** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setProductCollection (productCollection : java.util.Collection) : void** | |
| Parameters | |  |  | | --- | --- | | **productCollection** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.util.Collection | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public equals (object : java.lang.Object) : boolean** | |
| Parameters | |  |  | | --- | --- | | **object** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (productCollection) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [Product](#o2l7KfKGAqAABUsa) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | productCollection | | Multiplicity | \* | | Visibility | private | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [Product](#o2l7KfKGAqAABUsa) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

#### References

|  |  |
| --- | --- |
| [C:\Users\Zaic\Dropbox\OU\3 level\TM470\EMA\Shop20\build\web\WEB-INF\classes\entity\Category.class](file:///C:\Users\Zaic\Dropbox\OU\3%20level\TM470\EMA\Shop20\build\web\WEB-INF\classes\entity\Category.class) | |
| Description | Source |
| Type | File |

### Image2.png AbstractFacade

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Documentation | @author tgiunipero |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private entityClass : java.lang.Class** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | java.lang.Class | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

#### Operations

|  |  |
| --- | --- |
| **public AbstractFacade (entityClass : Class)** | |
| Parameters | |  |  | | --- | --- | | **entityClass** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Template Type Bind Info | N/A | | Type | Class | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| ***protected getEntityManager () : javax.persistence.EntityManager*** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public create (entity : T) : void** | |
| Parameters | |  |  | | --- | --- | | **entity** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | T | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public edit (entity : T) : void** | |
| Parameters | |  |  | | --- | --- | | **entity** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | T | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public remove (entity : T) : void** | |
| Parameters | |  |  | | --- | --- | | **entity** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | T | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public find (id : Object) : T** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public findAll () : java.util.List** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Template Type Bind Info | N/A |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public findRange (range : int) : java.util.List** | |
| Parameters | |  |  | | --- | --- | | **range** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type Modifier | [] | | Type | Image3.png int | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Template Type Bind Info | N/A |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public count () : int** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public AbstractFacade (entityClass : java.lang.Class)** | |
| Parameters | |  |  | | --- | --- | | **entityClass** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Class | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public create (entity : java.lang.Object) : void** | |
| Parameters | |  |  | | --- | --- | | **entity** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public edit (entity : java.lang.Object) : void** | |
| Parameters | |  |  | | --- | --- | | **entity** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public remove (entity : java.lang.Object) : void** | |
| Parameters | |  |  | | --- | --- | | **entity** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public find (id : java.lang.Object) : java.lang.Object** | |
| Parameters | |  |  | | --- | --- | | **id** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.Object | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| To | Image2.png [CustomerOrderFacade](#AgUsqfKGAqAABSFh) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Substitutable | false |
| Template Type Bind Info | N/A |
| Visibility | Unspecified |

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| To | Image2.png [ProductFacade](#AgUsqfKGAqAABSFY) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Substitutable | false |
| Template Type Bind Info | N/A |
| Visibility | Unspecified |

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| To | Image2.png [CategoryFacade](#ggUsqfKGAqAABSFn) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Substitutable | false |
| Template Type Bind Info | N/A |
| Visibility | Unspecified |

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| To | Image2.png [CustomerFacade](#AgUsqfKGAqAABSFk) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Substitutable | false |
| Template Type Bind Info | N/A |
| Visibility | Unspecified |

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| To | Image2.png [OrderedProductFacade](#AgUsqfKGAqAABSFe) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Substitutable | false |
| Template Type Bind Info | N/A |
| Visibility | Unspecified |

#### Template Parameters

|  |  |
| --- | --- |
| **T** | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |

#### References

|  |  |
| --- | --- |
| [C:\Users\Zaic\Dropbox\OU\3 level\TM470\EMA\Shop20\build\web\WEB-INF\classes\session\AbstractFacade.class](file:///C:\Users\Zaic\Dropbox\OU\3%20level\TM470\EMA\Shop20\build\web\WEB-INF\classes\session\AbstractFacade.class) | |
| Description | Source |
| Type | File |

### Image2.png ProductFacade

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Documentation | @author tgiunipero |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private em : javax.persistence.EntityManager** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | javax.persistence.EntityManager | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

#### Operations

|  |  |
| --- | --- |
| **protected getEntityManager () : javax.persistence.EntityManager** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public ProductFacade ()** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| From | Image2.png [AbstractFacade](#ggUsqfKGAqAABSFq) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Substitutable | false |
| Template Type Bind Info | N/A |
| Visibility | Unspecified |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [OrderManager](#7ul7KfKGAqAABU8Z) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [ControllerServlet](#h6l7KfKGAqAABUN9) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

#### References

|  |  |
| --- | --- |
| [C:\Users\Zaic\Dropbox\OU\3 level\TM470\EMA\Shop20\build\web\WEB-INF\classes\session\ProductFacade.class](file:///C:\Users\Zaic\Dropbox\OU\3%20level\TM470\EMA\Shop20\build\web\WEB-INF\classes\session\ProductFacade.class) | |
| Description | Source |
| Type | File |

### Image2.png CategoryFacade

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Documentation | @author tgiunipero |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private em : javax.persistence.EntityManager** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | javax.persistence.EntityManager | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

#### Operations

|  |  |
| --- | --- |
| **protected getEntityManager () : javax.persistence.EntityManager** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public CategoryFacade ()** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| From | Image2.png [AbstractFacade](#ggUsqfKGAqAABSFq) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Substitutable | false |
| Template Type Bind Info | N/A |
| Visibility | Unspecified |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [ControllerServlet](#h6l7KfKGAqAABUN9) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

#### References

|  |  |
| --- | --- |
| [C:\Users\Zaic\Dropbox\OU\3 level\TM470\EMA\Shop20\build\web\WEB-INF\classes\session\CategoryFacade.class](file:///C:\Users\Zaic\Dropbox\OU\3%20level\TM470\EMA\Shop20\build\web\WEB-INF\classes\session\CategoryFacade.class) | |
| Description | Source |
| Type | File |

### Image1.png cart

|  |  |
| --- | --- |
| **Name** | **Value** |
| Abstract | false |
| Leaf | false |
| Root | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 20:55:41 |
| Last Modified | 04-Sep-2015 06:57:03 |
| Visibility | public |

#### Children

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image2.png [ShoppingCart](#wgUsqfKGAqAABSGX) |  |
| Image2.png [ShoppingCartItem](#wgUsqfKGAqAABSGU) | @author tgiunipero |

### Image1.png validate

|  |  |
| --- | --- |
| **Name** | **Value** |
| Abstract | false |
| Leaf | false |
| Root | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 06:57:03 |
| Visibility | public |

#### Children

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image2.png [Validator](#fAUsqfKGAqAABSFS) | @author tgiunipero |

### Image2.png Validator

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Documentation | @author tgiunipero |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |

#### Operations

|  |  |
| --- | --- |
| **public validateQuantity (productId : String, quantity : String) : boolean** | |
| Parameters | |  |  | | --- | --- | | **productId** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **quantity** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout | |
| Static | false |
| Leaf | false |
| Documentation | ensures that quantity input is number between 0 and 99applies to quantity fields in cart page |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public validateForm (name : String, email : String, phone : String, address : String, cityRegion : String, ccNumber : String, request : javax.servlet.http.HttpServletRequest) : boolean** | |
| Parameters | |  |  | | --- | --- | | **name** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **email** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **phone** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **address** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **cityRegion** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **ccNumber** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout |  |  |  | | --- | --- | | **request** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | javax.servlet.http.HttpServletRequest | | Direction | inout | |
| Static | false |
| Leaf | false |
| Documentation | performs simple validation on checkout form |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public Validator ()** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public validateQuantity (productId : java.lang.String, quantity : java.lang.String) : boolean** | |
| Parameters | |  |  | | --- | --- | | **productId** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout |  |  |  | | --- | --- | | **quantity** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public validateForm (name : java.lang.String, email : java.lang.String, phone : java.lang.String, address : java.lang.String, cityRegion : java.lang.String, ccNumber : java.lang.String, request : javax.servlet.http.HttpServletRequest) : boolean** | |
| Parameters | |  |  | | --- | --- | | **name** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout |  |  |  | | --- | --- | | **email** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout |  |  |  | | --- | --- | | **phone** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout |  |  |  | | --- | --- | | **address** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout |  |  |  | | --- | --- | | **cityRegion** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout |  |  |  | | --- | --- | | **ccNumber** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout |  |  |  | | --- | --- | | **request** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:52 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | javax.servlet.http.HttpServletRequest | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

#### References

|  |  |
| --- | --- |
| [C:\Users\Zaic\Dropbox\OU\3 level\TM470\EMA\Shop20\build\web\WEB-INF\classes\validate\Validator.class](file:///C:\Users\Zaic\Dropbox\OU\3%20level\TM470\EMA\Shop20\build\web\WEB-INF\classes\validate\Validator.class) | |
| Description | Source |
| Type | File |

### Image2.png CustomerFacade

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Documentation | @author tgiunipero |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private em : javax.persistence.EntityManager** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 21:20:59 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | javax.persistence.EntityManager | | |
| Getter | false | Setter | false |
| Has Setter | false | | |
| Has Getter | false | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

#### Operations

|  |  |
| --- | --- |
| **protected getEntityManager () : javax.persistence.EntityManager** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public CustomerFacade ()** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| From | Image2.png [AbstractFacade](#ggUsqfKGAqAABSFq) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Substitutable | false |
| Template Type Bind Info | N/A |
| Visibility | Unspecified |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [AdminServlet](#_al7KfKGAqAABUK2) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

#### References

|  |  |
| --- | --- |
| [C:\Users\Zaic\Dropbox\OU\3 level\TM470\EMA\Shop20\build\web\WEB-INF\classes\session\CustomerFacade.class](file:///C:\Users\Zaic\Dropbox\OU\3%20level\TM470\EMA\Shop20\build\web\WEB-INF\classes\session\CustomerFacade.class) | |
| Description | Source |
| Type | File |

### Image2.png ShoppingCart

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 20:55:41 |
| Last Modified | 04-Sep-2015 07:17:07 |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **package items : java.util.List** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 20:55:41 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | java.util.List | | |
| Getter | true | Setter | false |
| Has Setter | false | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **package numberOfItems : int** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 20:55:42 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image3.png int | | |
| Getter | true | Setter | false |
| Has Setter | false | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **package total : double** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 20:55:42 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image3.png double | | |
| Getter | true | Setter | false |
| Has Setter | false | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

#### Operations

|  |  |
| --- | --- |
| **public ShoppingCart ()** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 20:55:42 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public addItem (product : Product) : void** | |
| Parameters | |  |  | | --- | --- | | **product** | | | Multiplicity | Unspecified | | Documentation | the <code>Product</code> that defines the type of shopping cart item | | Author | Zaic | | Create Date Time | 03-Sep-2015 20:55:42 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [Product](#o2l7KfKGAqAABUsa) | | Direction | inout | |
| Static | false |
| Leaf | false |
| Documentation | Adds a <code>ShoppingCartItem</code> to the <code>ShoppingCart</code>'s<code>items</code> list. If item of the specified <code>product</code>already exists in shopping cart list, the quantity of that item isincremented.  @see ShoppingCartItem |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 20:55:42 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public update (product : Product, quantity : String) : void** | |
| Parameters | |  |  | | --- | --- | | **product** | | | Multiplicity | Unspecified | | Documentation | the <code>Product</code> that defines the type of shopping cart item | | Author | Zaic | | Create Date Time | 03-Sep-2015 20:55:42 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [Product](#o2l7KfKGAqAABUsa) | | Direction | inout |  |  |  | | --- | --- | | **quantity** | | | Multiplicity | Unspecified | | Documentation | the number which the <code>ShoppingCartItem</code> is updated to | | Author | Zaic | | Create Date Time | 03-Sep-2015 20:55:42 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout | |
| Static | false |
| Leaf | false |
| Documentation | Updates the <code>ShoppingCartItem</code> of the specified<code>product</code> to the specified quantity. If '<code>0</code>'is the given quantity, the <code>ShoppingCartItem</code> is removedfrom the <code>ShoppingCart</code>'s <code>items</code> list.  @see ShoppingCartItem |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 20:55:42 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getSubtotal () : double** | |
| Static | false |
| Leaf | false |
| Documentation | Returns the sum of the product price multiplied by the quantity for allitems in shopping cart list. This is the total cost excluding the surcharge.  @see ShoppingCartItem |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 20:55:42 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Return Type Documentation | the cost of all items times their quantities |
| Query | false |

|  |  |
| --- | --- |
| **public calculateTotal (surcharge : String) : void** | |
| Parameters | |  |  | | --- | --- | | **surcharge** | | | Multiplicity | Unspecified | | Documentation | the designated surcharge for all orders | | Author | Zaic | | Create Date Time | 03-Sep-2015 20:55:42 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png String | | Direction | inout | |
| Static | false |
| Leaf | false |
| Documentation | Calculates the total cost of the order. This method adds the subtotal tothe designated surcharge and sets the <code>total</code> instance variablewith the result.  @see ShoppingCartItem |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 20:55:42 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public clear () : void** | |
| Static | false |
| Leaf | false |
| Documentation | Empties the shopping cart. All items are removed from the shopping cart<code>items</code> list, <code>numberOfItems</code> and<code>total</code> are reset to '<code>0</code>'.  @see ShoppingCartItem |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 20:55:42 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public addItem (product : Product) : void** | |
| Parameters | |  |  | | --- | --- | | **product** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [Product](#o2l7KfKGAqAABUsa) | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public update (product : Product, quantity : java.lang.String) : void** | |
| Parameters | |  |  | | --- | --- | | **product** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [Product](#o2l7KfKGAqAABUsa) | | Direction | inout |  |  |  | | --- | --- | | **quantity** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getItems () : java.util.List** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getNumberOfItems () : int** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public calculateTotal (surcharge : java.lang.String) : void** | |
| Parameters | |  |  | | --- | --- | | **surcharge** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | java.lang.String | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getTotal () : double** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (items) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [ShoppingCartItem](#ZJnjKfKGAqAABRzc) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | items | | Multiplicity | \* | | Visibility | package | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

#### References

|  |  |
| --- | --- |
| [C:\Users\Zaic\Dropbox\OU\3 level\TM470\EMA\Shop20\build\web\WEB-INF\classes\cart\ShoppingCart.class](file:///C:\Users\Zaic\Dropbox\OU\3%20level\TM470\EMA\Shop20\build\web\WEB-INF\classes\cart\ShoppingCart.class) | |
| Description | Source |
| Type | File |

### Image1.png filter

|  |  |
| --- | --- |
| **Name** | **Value** |
| Abstract | false |
| Leaf | false |
| Root | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 06:57:03 |
| Visibility | public |

#### Children

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image2.png [SessionTimeoutFilter](#ggUsqfKGAqAABSFw) | @author tgiunipero |

### Image2.png ShoppingCartItem

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Documentation | @author tgiunipero |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 20:55:52 |
| Last Modified | 04-Sep-2015 07:17:07 |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **package product : Product** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 20:55:52 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image2.png [Product](#o2l7KfKGAqAABUsa) | | |
| Getter | true | Setter | false |
| Has Setter | false | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **package quantity : short** | | | |
| Author | Zaic | | |
| Create Date Time | 03-Sep-2015 20:55:52 | | |
| Last Modified | 04-Sep-2015 07:17:07 | | |
| Type | Image3.png short | | |
| Getter | true | Setter | true |
| Has Setter | true | | |
| Has Getter | true | | |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |

#### Operations

|  |  |
| --- | --- |
| **public ShoppingCartItem (product : Product)** | |
| Parameters | |  |  | | --- | --- | | **product** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 20:55:53 | | Last Modified | 03-Sep-2015 21:26:46 | | Type | Image2.png [Product](#o2l7KfKGAqAABUsa) | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 20:55:53 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public incrementQuantity () : void** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 20:55:53 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public decrementQuantity () : void** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 20:55:53 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getTotal () : double** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 20:55:53 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public ShoppingCartItem (product : Product)** | |
| Parameters | |  |  | | --- | --- | | **product** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image2.png [Product](#o2l7KfKGAqAABUsa) | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getProduct () : Product** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getQuantity () : short** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setQuantity (quantity : short) : void** | |
| Parameters | |  |  | | --- | --- | | **quantity** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 04-Sep-2015 07:08:51 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | Image3.png short | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:51 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To (product) | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [Product](#o2l7KfKGAqAABUsa) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Referenced Attribute | product | | Multiplicity | 1 | | Visibility | package | | Aggregation Kind | None | | Navigable | true | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:21:00 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image2.png [ShoppingCart](#ubbjKfKGAqAABRnM) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:21:00 | | Last Modified | 04-Sep-2015 07:17:07 | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | Unspecified | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | false | | Derived | false | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Derived | false |

#### References

|  |  |
| --- | --- |
| [C:\Users\Zaic\Dropbox\OU\3 level\TM470\EMA\Shop20\build\web\WEB-INF\classes\cart\ShoppingCartItem.class](file:///C:\Users\Zaic\Dropbox\OU\3%20level\TM470\EMA\Shop20\build\web\WEB-INF\classes\cart\ShoppingCartItem.class) | |
| Description | Source |
| Type | File |

### Image2.png SessionTimeoutFilter

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Documentation | @author tgiunipero |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |

#### Operations

|  |  |
| --- | --- |
| **public doFilter (request : javax.servlet.ServletRequest, response : javax.servlet.ServletResponse, chain : javax.servlet.FilterChain) : void** | |
| Parameters | |  |  | | --- | --- | | **request** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | javax.servlet.ServletRequest | | Direction | inout |  |  |  | | --- | --- | | **response** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | javax.servlet.ServletResponse | | Direction | inout |  |  |  | | --- | --- | | **chain** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | javax.servlet.FilterChain | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public init (filterConfig : javax.servlet.FilterConfig) : void** | |
| Parameters | |  |  | | --- | --- | | **filterConfig** | | | Multiplicity | Unspecified | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:20:59 | | Last Modified | 04-Sep-2015 07:17:07 | | Type | javax.servlet.FilterConfig | | Direction | inout | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public destroy () : void** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:20:59 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

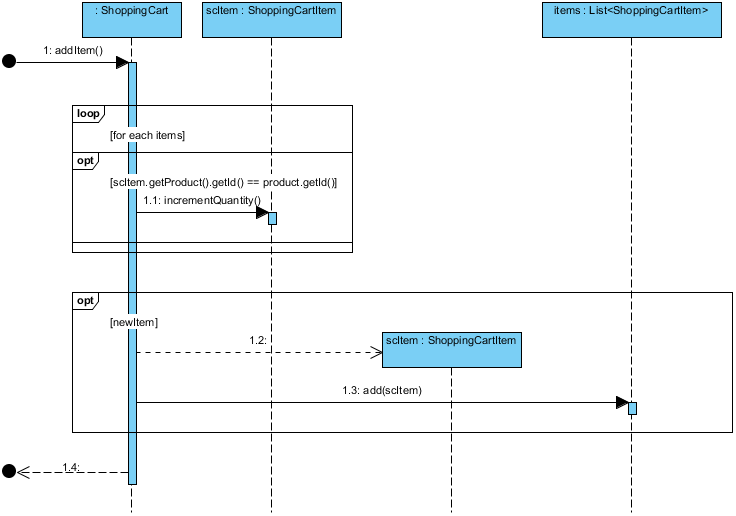
|  |  |
| --- | --- |
| **public SessionTimeoutFilter ()** | |
| Static | false |
| Leaf | false |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 07:08:52 |
| Last Modified | 04-Sep-2015 07:17:07 |
| Ordered | false |
| Unique | true |
| Query | false |

#### References

|  |  |
| --- | --- |
| [C:\Users\Zaic\Dropbox\OU\3 level\TM470\EMA\Shop20\build\web\WEB-INF\classes\filter\SessionTimeoutFilter.class](file:///C:\Users\Zaic\Dropbox\OU\3%20level\TM470\EMA\Shop20\build\web\WEB-INF\classes\filter\SessionTimeoutFilter.class) | |
| Description | Source |
| Type | File |

Sequence Diagram

# cart.ShoppingCart.addItem(Product)



|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:07:58 |
| Last Modified | 04-Sep-2015 07:35:46 |
| Request Validate Snap To Grid | false |
| Name | cart.ShoppingCart.addItem(Product) |
| Request Fix Diagram For Rose Import | false |

## Summary

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image6.png [: ShoppingCart](#phECqfKGAqAABRid) |  |
| Image6.png [scItem : ShoppingCartItem](#ypECqfKGAqAABRwI) |  |
| Image6.png [scItem : ShoppingCartItem](#T5ECqfKGAqAABR5I) |  |
| Image6.png [items : List<ShoppingCartItem>](#GVECqfKGAqAABR77) |  |
| Image7.png [CombinedFragment3](#MJECqfKGAqAABRoM) |  |
| Image8.png [Operand](#yJECqfKGAqAABRoc) |  |
| Image7.png [CombinedFragment4](#FJECqfKGAqAABRoy) |  |
| Image8.png [Operand](#DJECqfKGAqAABRpC) |  |
| Image7.png [CombinedFragment4](#i5ECqfKGAqAABR30) |  |
| Image8.png [Operand](#J5ECqfKGAqAABR4H) |  |

## Details

### Image6.png  : ShoppingCart

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:07:58 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png [ShoppingCart](#ubbjKfKGAqAABRnM) |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **add(scItem) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [items](#GVECqfKGAqAABR7y) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:07:59 | | Last Modified | 03-Sep-2015 23:16:54 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:07:59 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Type | Message |
| Sequence Number | 1.3 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [scItem](#ipECqfKGAqAABRvc) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:07:58 | | Last Modified | 03-Sep-2015 23:16:54 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:07:58 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:07:58 | | Last Modified | 03-Sep-2015 23:16:54 | | Operation | incrementQuantity | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:07:59 | | Last Modified | 03-Sep-2015 23:16:54 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:07:59 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Type | Message |
| Sequence Number | 1.4 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:07:59 | | Last Modified | 03-Sep-2015 23:16:54 | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [scItem](#t5ECqfKGAqAABR4b) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:07:59 | | Last Modified | 03-Sep-2015 23:16:54 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:07:59 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Type | Create Message |
| Sequence Number | 1.2 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:07:58 | | Last Modified | 03-Sep-2015 23:16:54 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:07:58 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:07:58 | | Last Modified | 03-Sep-2015 23:16:54 | | Operation | addItem | | Operation Type | Operation | |
| Asynchronous | false |

### Image6.png scItem : ShoppingCartItem

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:07:58 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png [ShoppingCartItem](#ZJnjKfKGAqAABRzc) |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#RhECqfKGAqAABRiF) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:07:58 | | Last Modified | 03-Sep-2015 23:16:54 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:07:58 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:07:58 | | Last Modified | 03-Sep-2015 23:16:54 | | Operation | incrementQuantity | | Operation Type | Operation | |
| Asynchronous | false |

### Image6.png scItem : ShoppingCartItem

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:07:58 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png [ShoppingCartItem](#ZJnjKfKGAqAABRzc) |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#RhECqfKGAqAABRiF) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:07:59 | | Last Modified | 03-Sep-2015 23:16:54 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:07:59 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Type | Create Message |
| Sequence Number | 1.2 |
| Asynchronous | false |

### Image6.png items : List<ShoppingCartItem>

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:07:59 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Multiplicity | Unspecified |
| Base Classifier | List<ShoppingCartItem> |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **add(scItem) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#RhECqfKGAqAABRiF) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:07:59 | | Last Modified | 03-Sep-2015 23:16:54 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:07:59 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Type | Message |
| Sequence Number | 1.3 |
| Asynchronous | false |

### Image7.png CombinedFragment3

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:07:58 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Operator Kind | loop |

#### Interaction Operands

|  |
| --- |
| **Value** |
| Operand |

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image6.png [N/A](#RhECqfKGAqAABRiF) |  |
| Image6.png [scItem](#ipECqfKGAqAABRvc) |  |

### Image8.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:07:58 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:07:58 | | Last Modified | 03-Sep-2015 23:16:54 | | Constraint | for each items | |

#### Children

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image7.png [CombinedFragment4](#FJECqfKGAqAABRoy) |  |

### Image7.png CombinedFragment4

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:07:58 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Operator Kind | opt |

#### Interaction Operands

|  |
| --- |
| **Value** |
| Operand |

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image6.png [N/A](#RhECqfKGAqAABRiF) |  |
| Image6.png [scItem](#ipECqfKGAqAABRvc) |  |

### Image8.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:07:58 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:07:58 | | Last Modified | 03-Sep-2015 23:16:54 | | Constraint | scItem.getProduct().getId() == product.getId() | |

### Image7.png CombinedFragment4

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:07:58 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Operator Kind | opt |

#### Interaction Operands

|  |
| --- |
| **Value** |
| Operand |

#### Covered LifeLines

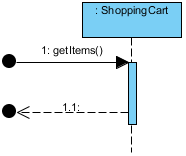
|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image6.png [N/A](#RhECqfKGAqAABRiF) |  |
| Image6.png [items](#GVECqfKGAqAABR7y) |  |
| Image6.png [scItem](#ipECqfKGAqAABRvc) |  |
| Image6.png [scItem](#t5ECqfKGAqAABR4b) |  |

### Image8.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:07:58 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:07:58 | | Last Modified | 03-Sep-2015 23:16:54 | | Constraint | newItem | |

Sequence Diagram

# cart.ShoppingCart.getItems()



|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:09:37 |
| Last Modified | 03-Sep-2015 23:58:12 |
| Request Validate Snap To Grid | false |
| Name | cart.ShoppingCart.getItems() |
| Request Fix Diagram For Rose Import | false |

## Summary

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image6.png [: ShoppingCart](#yVBCqfKGAqAABS1Q) |  |

## Details

### Image6.png  : ShoppingCart

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:09:37 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png [ShoppingCart](#ubbjKfKGAqAABRnM) |
| Active | false |
| Stopped | false |
| Multi Object | false |

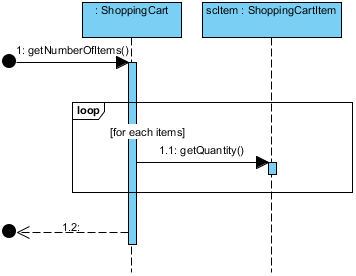
#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:09:37 | | Last Modified | 03-Sep-2015 23:16:54 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:09:37 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:09:37 | | Last Modified | 03-Sep-2015 23:16:54 | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:09:37 | | Last Modified | 03-Sep-2015 23:16:54 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:09:37 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:09:37 | | Last Modified | 03-Sep-2015 23:16:54 | | Operation | items | | Operation Type | Attribute Getter | |
| Asynchronous | false |

Sequence Diagram

# cart.ShoppingCart.getNumberOfItems()



|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:11:24 |
| Last Modified | 04-Sep-2015 07:15:36 |
| Request Validate Snap To Grid | false |
| Name | cart.ShoppingCart.getNumberOfItems() |
| Request Fix Diagram For Rose Import | false |

## Summary

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image6.png [: ShoppingCart](#3vXCqfKGAqAABTHm) |  |
| Image6.png [scItem : ShoppingCartItem](#1g3CqfKGAqAABTVC) |  |
| Image7.png [CombinedFragment5](#tA3CqfKGAqAABTNM) |  |
| Image8.png [Operand](#zA3CqfKGAqAABTNc) |  |

## Details

### Image6.png  : ShoppingCart

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:11:25 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png [ShoppingCart](#ubbjKfKGAqAABRnM) |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:11:25 | | Last Modified | 03-Sep-2015 23:16:54 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:11:25 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Type | Message |
| Sequence Number | 1.2 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:11:25 | | Last Modified | 03-Sep-2015 23:16:54 | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [scItem](#2g3CqfKGAqAABTTN) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:11:25 | | Last Modified | 03-Sep-2015 23:16:54 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:11:25 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:11:25 | | Last Modified | 03-Sep-2015 23:16:54 | | Operation | quantity | | Operation Type | Attribute Getter | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:11:25 | | Last Modified | 03-Sep-2015 23:16:54 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:11:25 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:11:25 | | Last Modified | 03-Sep-2015 23:16:54 | | Operation | numberOfItems | | Operation Type | Attribute Getter | |
| Asynchronous | false |

### Image6.png scItem : ShoppingCartItem

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:11:25 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png [ShoppingCartItem](#ZJnjKfKGAqAABRzc) |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#HvXCqfKGAqAABTHH) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:11:25 | | Last Modified | 03-Sep-2015 23:16:54 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:11:25 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:11:25 | | Last Modified | 03-Sep-2015 23:16:54 | | Operation | quantity | | Operation Type | Attribute Getter | |
| Asynchronous | false |

### Image7.png CombinedFragment5

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:11:25 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Operator Kind | loop |

#### Interaction Operands

|  |
| --- |
| **Value** |
| Operand |

#### Covered LifeLines

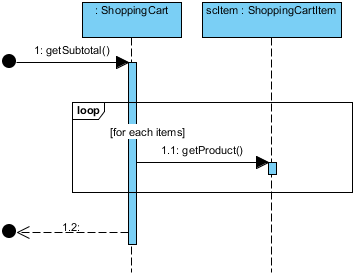
|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image6.png [N/A](#HvXCqfKGAqAABTHH) |  |
| Image6.png [scItem](#2g3CqfKGAqAABTTN) |  |

### Image8.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:11:25 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:11:25 | | Last Modified | 03-Sep-2015 23:16:54 | | Constraint | for each items | |

Sequence Diagram

# cart.ShoppingCart.getSubtotal()



|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:13:14 |
| Last Modified | 04-Sep-2015 00:00:40 |
| Request Validate Snap To Grid | false |
| Name | cart.ShoppingCart.getSubtotal() |
| Request Fix Diagram For Rose Import | false |

## Summary

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image6.png [: ShoppingCart](#PdqiqfKGAqAABTpR) |  |
| Image6.png [scItem : ShoppingCartItem](#ATqiqfKGAqAABT1r) |  |
| Image7.png [CombinedFragment6](#hjqiqfKGAqAABTsN) |  |
| Image8.png [Operand](#tjqiqfKGAqAABTsd) |  |

## Details

### Image6.png  : ShoppingCart

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:13:14 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png [ShoppingCart](#ubbjKfKGAqAABRnM) |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:13:15 | | Last Modified | 03-Sep-2015 23:16:54 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:13:15 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Type | Message |
| Sequence Number | 1.2 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:13:15 | | Last Modified | 03-Sep-2015 23:16:54 | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [scItem](#vjqiqfKGAqAABT02) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:13:15 | | Last Modified | 03-Sep-2015 23:16:54 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:13:15 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:13:15 | | Last Modified | 03-Sep-2015 23:16:54 | | Operation | product | | Operation Type | Attribute Getter | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:13:14 | | Last Modified | 03-Sep-2015 23:16:54 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:13:14 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:13:14 | | Last Modified | 03-Sep-2015 23:16:54 | | Operation | getSubtotal | | Operation Type | Operation | |
| Asynchronous | false |

### Image6.png scItem : ShoppingCartItem

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:13:15 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png [ShoppingCartItem](#ZJnjKfKGAqAABRzc) |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#XdqiqfKGAqAABTox) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:13:15 | | Last Modified | 03-Sep-2015 23:16:54 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:13:15 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:13:15 | | Last Modified | 03-Sep-2015 23:16:54 | | Operation | product | | Operation Type | Attribute Getter | |
| Asynchronous | false |

### Image7.png CombinedFragment6

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:13:14 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Operator Kind | loop |

#### Interaction Operands

|  |
| --- |
| **Value** |
| Operand |

#### Covered LifeLines

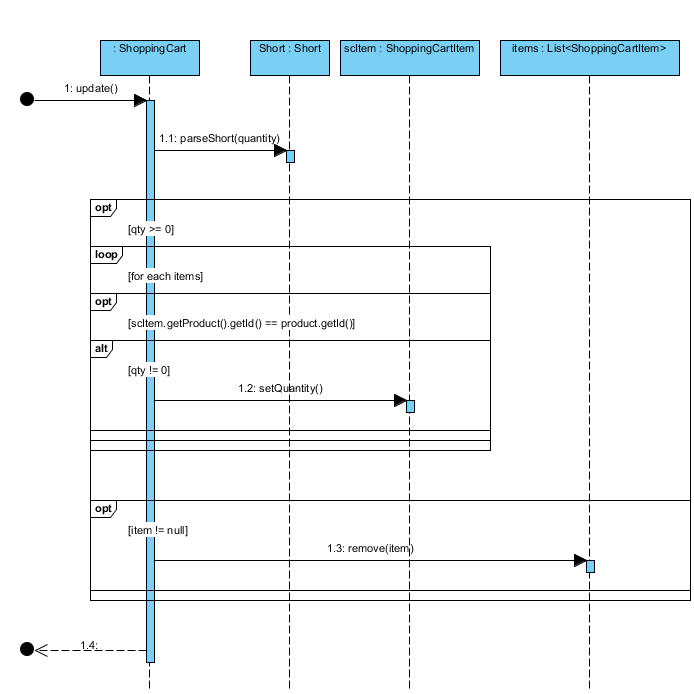
|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image6.png [N/A](#XdqiqfKGAqAABTox) |  |
| Image6.png [scItem](#vjqiqfKGAqAABT02) |  |

### Image8.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:13:14 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:13:14 | | Last Modified | 03-Sep-2015 23:16:54 | | Constraint | for each items | |

Sequence Diagram

# cart.ShoppingCart.update(Product, String)



|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:14:14 |
| Last Modified | 04-Sep-2015 07:18:17 |
| Request Validate Snap To Grid | false |
| Name | cart.ShoppingCart.update(Product, String) |
| Request Fix Diagram For Rose Import | false |

## Summary

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image6.png [: ShoppingCart](#4GJiqfKGAqAABUaM) |  |
| Image6.png [Short : Short](#hWJiqfKGAqAABUdF) |  |
| Image6.png [scItem : ShoppingCartItem](#s.JiqfKGAqAABUu5) |  |
| Image6.png [items : List<ShoppingCartItem>](#RJJiqfKGAqAABU2w) |  |
| Image7.png [CombinedFragment7](#.uJiqfKGAqAABUii) |  |
| Image8.png [Operand](#5uJiqfKGAqAABUiy) |  |
| Image7.png [CombinedFragment8](#9uJiqfKGAqAABUk3) |  |
| Image8.png [Operand](#LuJiqfKGAqAABUl_) |  |
| Image7.png [CombinedFragment9](#XuJiqfKGAqAABUmU) |  |
| Image8.png [Operand](#oeJiqfKGAqAABUmk) |  |
| Image7.png [CombinedFragment10](#6eJiqfKGAqAABUm8) |  |
| Image8.png [Operand](#OeJiqfKGAqAABUnM) |  |
| Image7.png [CombinedFragment8](#sJJiqfKGAqAABU2C) |  |
| Image8.png [Operand](#mJJiqfKGAqAABU2S) |  |

## Details

### Image6.png  : ShoppingCart

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:14:14 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png [ShoppingCart](#ubbjKfKGAqAABRnM) |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [scItem](#U.JiqfKGAqAABUtf) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:14:15 | | Last Modified | 03-Sep-2015 23:16:54 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:14:15 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Type | Message |
| Sequence Number | 1.2 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:14:15 | | Last Modified | 03-Sep-2015 23:16:54 | | Arguments | |  | | --- | | **Value** | | qty (Text) | | | Operation | quantity | | Operation Type | Attribute Setter | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **parseShort(quantity) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [Short](#BWJiqfKGAqAABUc8) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:14:15 | | Last Modified | 03-Sep-2015 23:16:54 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:14:15 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Type | Message |
| Sequence Number | 1.1 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:14:15 | | Last Modified | 03-Sep-2015 23:16:54 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:14:15 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Type | Message |
| Sequence Number | 1.4 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:14:15 | | Last Modified | 03-Sep-2015 23:16:54 | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **remove(item) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [items](#RJJiqfKGAqAABU2n) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:14:15 | | Last Modified | 03-Sep-2015 23:16:54 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:14:15 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Type | Message |
| Sequence Number | 1.3 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:14:14 | | Last Modified | 03-Sep-2015 23:16:54 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:14:14 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:14:14 | | Last Modified | 03-Sep-2015 23:16:54 | | Operation | update | | Operation Type | Operation | |
| Asynchronous | false |

### Image6.png Short : Short

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:14:14 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Multiplicity | Unspecified |
| Base Classifier | Short |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **parseShort(quantity) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#oGJiqfKGAqAABUZq) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:14:15 | | Last Modified | 03-Sep-2015 23:16:54 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:14:15 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Type | Message |
| Sequence Number | 1.1 |
| Asynchronous | false |

### Image6.png scItem : ShoppingCartItem

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:14:15 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png [ShoppingCartItem](#ZJnjKfKGAqAABRzc) |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#oGJiqfKGAqAABUZq) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:14:15 | | Last Modified | 03-Sep-2015 23:16:54 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:14:15 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Type | Message |
| Sequence Number | 1.2 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:14:15 | | Last Modified | 03-Sep-2015 23:16:54 | | Arguments | |  | | --- | | **Value** | | qty (Text) | | | Operation | quantity | | Operation Type | Attribute Setter | |
| Asynchronous | false |

### Image6.png items : List<ShoppingCartItem>

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:14:15 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Multiplicity | Unspecified |
| Base Classifier | List<ShoppingCartItem> |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **remove(item) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#oGJiqfKGAqAABUZq) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:14:15 | | Last Modified | 03-Sep-2015 23:16:54 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:14:15 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Type | Message |
| Sequence Number | 1.3 |
| Asynchronous | false |

### Image7.png CombinedFragment7

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:14:15 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Operator Kind | opt |

#### Interaction Operands

|  |
| --- |
| **Value** |
| Operand |

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image6.png [N/A](#oGJiqfKGAqAABUZq) |  |
| Image6.png [Short](#BWJiqfKGAqAABUc8) |  |
| Image6.png [scItem](#U.JiqfKGAqAABUtf) |  |
| Image6.png [items](#RJJiqfKGAqAABU2n) |  |

### Image8.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:14:15 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:14:15 | | Last Modified | 03-Sep-2015 23:16:54 | | Constraint | qty >= 0 | |

#### Children

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image7.png [CombinedFragment8](#9uJiqfKGAqAABUk3) |  |
| Image7.png [CombinedFragment8](#sJJiqfKGAqAABU2C) |  |

### Image7.png CombinedFragment8

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:14:15 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Operator Kind | loop |

#### Interaction Operands

|  |
| --- |
| **Value** |
| Operand |

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image6.png [N/A](#oGJiqfKGAqAABUZq) |  |
| Image6.png [Short](#BWJiqfKGAqAABUc8) |  |
| Image6.png [scItem](#U.JiqfKGAqAABUtf) |  |

### Image8.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:14:15 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:14:15 | | Last Modified | 03-Sep-2015 23:16:54 | | Constraint | for each items | |

#### Children

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image7.png [CombinedFragment9](#XuJiqfKGAqAABUmU) |  |

### Image7.png CombinedFragment9

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:14:15 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Operator Kind | opt |

#### Interaction Operands

|  |
| --- |
| **Value** |
| Operand |

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image6.png [N/A](#oGJiqfKGAqAABUZq) |  |
| Image6.png [Short](#BWJiqfKGAqAABUc8) |  |
| Image6.png [scItem](#U.JiqfKGAqAABUtf) |  |

### Image8.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:14:15 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:14:15 | | Last Modified | 03-Sep-2015 23:16:54 | | Constraint | scItem.getProduct().getId() == product.getId() | |

#### Children

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image7.png [CombinedFragment10](#6eJiqfKGAqAABUm8) |  |

### Image7.png CombinedFragment10

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:14:15 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Operator Kind | alt |

#### Interaction Operands

|  |
| --- |
| **Value** |
| Operand |

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image6.png [N/A](#oGJiqfKGAqAABUZq) |  |
| Image6.png [scItem](#U.JiqfKGAqAABUtf) |  |
| Image6.png [Short](#BWJiqfKGAqAABUc8) |  |

### Image8.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:14:15 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:14:15 | | Last Modified | 03-Sep-2015 23:16:54 | | Constraint | qty != 0 | |

### Image7.png CombinedFragment8

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:14:15 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Operator Kind | opt |

#### Interaction Operands

|  |
| --- |
| **Value** |
| Operand |

#### Covered LifeLines

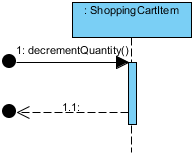
|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image6.png [N/A](#oGJiqfKGAqAABUZq) |  |
| Image6.png [items](#RJJiqfKGAqAABU2n) |  |
| Image6.png [Short](#BWJiqfKGAqAABUc8) |  |
| Image6.png [scItem](#U.JiqfKGAqAABUtf) |  |

### Image8.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:14:15 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:14:15 | | Last Modified | 03-Sep-2015 23:16:54 | | Constraint | item != null | |

Sequence Diagram

# cart.ShoppingCartItem.decrementQuantity()



|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:15:36 |
| Last Modified | 04-Sep-2015 00:00:26 |
| Request Validate Snap To Grid | false |
| Name | cart.ShoppingCartItem.decrementQuantity() |
| Request Fix Diagram For Rose Import | false |

## Summary

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image6.png [: ShoppingCartItem](#.GHiqfKGAqAABVRO) |  |

## Details

### Image6.png  : ShoppingCartItem

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:15:36 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png [ShoppingCartItem](#ZJnjKfKGAqAABRzc) |
| Active | false |
| Stopped | false |
| Multi Object | false |

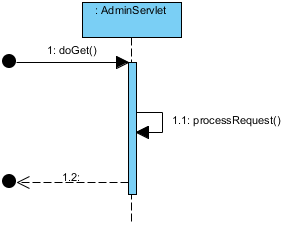
#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:15:36 | | Last Modified | 03-Sep-2015 23:16:54 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:15:36 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:15:36 | | Last Modified | 03-Sep-2015 23:16:54 | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:15:36 | | Last Modified | 03-Sep-2015 23:16:54 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:15:36 |
| Last Modified | 03-Sep-2015 23:16:54 |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:15:36 | | Last Modified | 03-Sep-2015 23:16:54 | | Operation | decrementQuantity | | Operation Type | Operation | |
| Asynchronous | false |

Sequence Diagram

# controller.AdminServlet.doGet(HttpServletRequest, HttpServletResponse)



|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:19:33 |
| Last Modified | 03-Sep-2015 23:59:31 |
| Request Validate Snap To Grid | false |
| Name | controller.AdminServlet.doGet(HttpServletRequest, HttpServletResponse) |
| Request Fix Diagram For Rose Import | false |

## Summary

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image6.png [: AdminServlet](#hiTSqfKGAqAABWwl) |  |

## Details

### Image6.png  : AdminServlet

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:19:33 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png [AdminServlet](#_al7KfKGAqAABUK2) |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

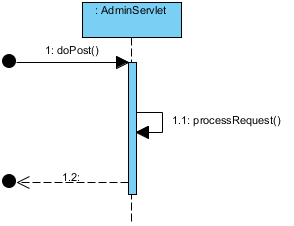
|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#hiTSqfKGAqAABWwT) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:19:34 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:19:34 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Self Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:19:34 | | Last Modified | 03-Sep-2015 23:26:56 | | Arguments | |  | | --- | | **Value** | | request (Text) | | response (Text) | | | Operation | processRequest | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:19:34 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:19:34 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.2 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:19:34 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:19:33 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:19:33 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:19:33 | | Last Modified | 03-Sep-2015 23:26:56 | | Operation | doGet | | Operation Type | Operation | |
| Asynchronous | false |

Sequence Diagram

# controller.AdminServlet.doPost(HttpServletRequest, HttpServletResponse)



|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:19:56 |
| Last Modified | 03-Sep-2015 23:59:20 |
| Request Validate Snap To Grid | false |
| Name | controller.AdminServlet.doPost(HttpServletRequest, HttpServletResponse) |
| Request Fix Diagram For Rose Import | false |

## Summary

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image6.png [: AdminServlet](#Nv7SqfKGAqAABXCa) |  |

## Details

### Image6.png  : AdminServlet

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:19:57 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png [AdminServlet](#_al7KfKGAqAABUK2) |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

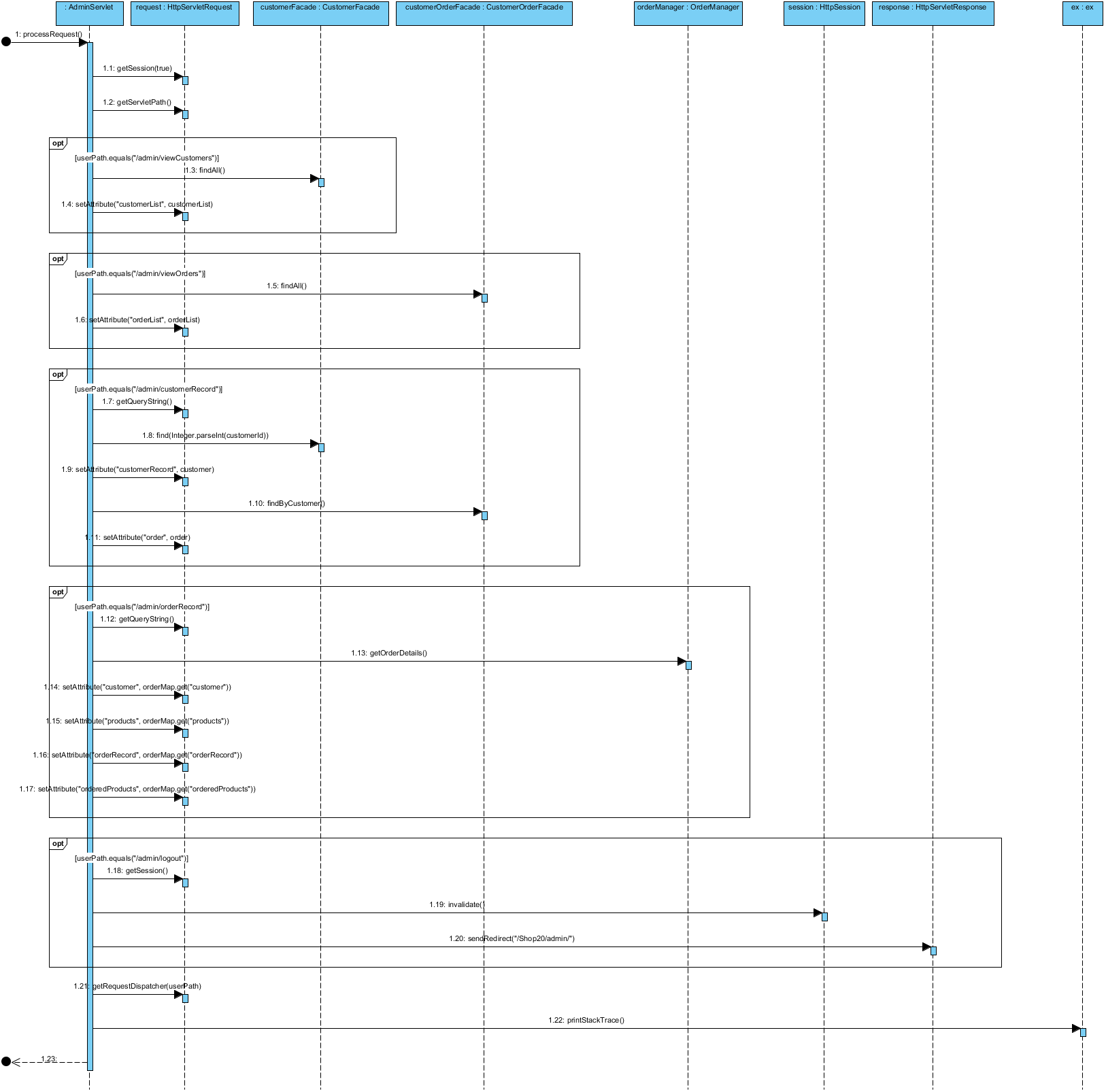
|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:19:57 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:19:57 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.2 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:19:57 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#1v7SqfKGAqAABXCF) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:19:57 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:19:57 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Self Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:19:57 | | Last Modified | 03-Sep-2015 23:26:56 | | Arguments | |  | | --- | | **Value** | | request (Text) | | response (Text) | | | Operation | processRequest | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:19:57 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:19:57 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:19:57 | | Last Modified | 03-Sep-2015 23:26:56 | | Operation | doPost | | Operation Type | Operation | |
| Asynchronous | false |

Sequence Diagram

# controller.AdminServlet.processRequest(HttpServletRequest, HttpServletResponse)



|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:20:59 |
| Last Modified | 04-Sep-2015 07:08:09 |
| Request Validate Snap To Grid | false |
| Name | controller.AdminServlet.processRequest(HttpServletRequest, HttpServletResponse) |
| Request Fix Diagram For Rose Import | false |

## Summary

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image6.png [: AdminServlet](#jU4yqfKGAqAABXNc) |  |
| Image6.png [request : HttpServletRequest](#vs4yqfKGAqAABXQF) |  |
| Image6.png [customerFacade : CustomerFacade](#.S4yqfKGAqAABXWp) |  |
| Image6.png [customerOrderFacade : CustomerOrderFacade](#xm4yqfKGAqAABXh8) |  |
| Image6.png [orderManager : OrderManager](#Vn4yqfKGAqAABYNT) |  |
| Image6.png [session : HttpSession](#26EyqfKGAqAABYlU) |  |
| Image6.png [response : HttpServletResponse](#BeEyqfKGAqAABYpe) |  |
| Image6.png [ex : ex](#tVEyqfKGAqAABYxt) |  |
| Image7.png [CombinedFragment8](#oS4yqfKGAqAABXUc) |  |
| Image8.png [Operand](#sS4yqfKGAqAABXUs) |  |
| Image7.png [CombinedFragment9](#fG4yqfKGAqAABXby) |  |
| Image8.png [Operand](#0m4yqfKGAqAABXcC) |  |
| Image7.png [CombinedFragment10](#_B4yqfKGAqAABXnw) |  |
| Image8.png [Operand](#0h4yqfKGAqAABXoA) |  |
| Image7.png [CombinedFragment11](#7L4yqfKGAqAABX1h) |  |
| Image8.png [Operand](#Ir4yqfKGAqAABX1x) |  |
| Image7.png [CombinedFragment12](#aSEyqfKGAqAABYhb) |  |
| Image8.png [Operand](#pSEyqfKGAqAABYhr) |  |

## Details

### Image6.png  : AdminServlet

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:20:59 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png [AdminServlet](#_al7KfKGAqAABUK2) |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **setAttribute("customerRecord", customer) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#Ps4yqfKGAqAABXP8) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:01 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:01 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.9 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("orderRecord", orderMap.get("orderRecord")) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#Ps4yqfKGAqAABXP8) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:03 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:03 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.16 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getRequestDispatcher(userPath) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#Ps4yqfKGAqAABXP8) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:05 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:05 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.21 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("customer", orderMap.get("customer")) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#Ps4yqfKGAqAABXP8) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:02 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:02 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.14 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:06 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:06 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.23 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:06 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("orderList", orderList) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#Ps4yqfKGAqAABXP8) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:00 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:00 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.6 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("products", orderMap.get("products")) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#Ps4yqfKGAqAABXP8) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:03 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:03 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.15 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getSession() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#Ps4yqfKGAqAABXP8) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:04 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:04 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.18 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **findAll() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [customerFacade](#uS4yqfKGAqAABXVs) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:00 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:00 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.3 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getQueryString() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#Ps4yqfKGAqAABXP8) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:00 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:00 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.7 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **invalidate() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [session](#26EyqfKGAqAABYlL) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:04 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:04 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.19 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **findAll() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [customerOrderFacade](#hm4yqfKGAqAABXgx) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:00 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:00 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.5 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("customerList", customerList) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#Ps4yqfKGAqAABXP8) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:00 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:00 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.4 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getQueryString() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#Ps4yqfKGAqAABXP8) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:02 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:02 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.12 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **sendRedirect("/Shop20/admin/") : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [response](#.eEyqfKGAqAABYpV) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:04 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:04 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.20 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getSession(true) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#Ps4yqfKGAqAABXP8) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:20:59 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:20:59 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.1 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [customerOrderFacade](#hm4yqfKGAqAABXgx) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:01 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:01 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.10 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:01 | | Last Modified | 03-Sep-2015 23:26:56 | | Arguments | |  | | --- | | **Value** | | customer (Text) | | | Operation | findByCustomer | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("orderedProducts", orderMap.get("orderedProducts")) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#Ps4yqfKGAqAABXP8) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:03 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:03 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.17 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **printStackTrace() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [ex](#NVEyqfKGAqAABYxk) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:05 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:05 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.22 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("order", order) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#Ps4yqfKGAqAABXP8) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:01 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:01 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.11 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [orderManager](#ln4yqfKGAqAABYML) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:02 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:02 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.13 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:02 | | Last Modified | 03-Sep-2015 23:26:56 | | Arguments | |  | | --- | | **Value** | | Integer.parseInt(orderId) (Text) | | | Operation | getOrderDetails | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getServletPath() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#Ps4yqfKGAqAABXP8) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:20:59 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:20:59 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.2 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **find(Integer.parseInt(customerId)) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [customerFacade](#uS4yqfKGAqAABXVs) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:01 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:01 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.8 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:20:59 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:20:59 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:20:59 | | Last Modified | 03-Sep-2015 23:26:56 | | Operation | processRequest | | Operation Type | Operation | |
| Asynchronous | false |

### Image6.png request : HttpServletRequest

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:20:59 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Multiplicity | Unspecified |
| Base Classifier | HttpServletRequest |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **setAttribute("orderList", orderList) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#DU4yqfKGAqAABXNB) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:00 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:00 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.6 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("orderedProducts", orderMap.get("orderedProducts")) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#DU4yqfKGAqAABXNB) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:03 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:03 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.17 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("customerRecord", customer) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#DU4yqfKGAqAABXNB) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:01 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:01 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.9 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getQueryString() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#DU4yqfKGAqAABXNB) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:02 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:02 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.12 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("order", order) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#DU4yqfKGAqAABXNB) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:01 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:01 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.11 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("products", orderMap.get("products")) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#DU4yqfKGAqAABXNB) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:03 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:03 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.15 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getQueryString() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#DU4yqfKGAqAABXNB) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:00 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:00 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.7 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getSession() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#DU4yqfKGAqAABXNB) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:04 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:04 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.18 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getRequestDispatcher(userPath) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#DU4yqfKGAqAABXNB) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:05 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:05 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.21 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("customerList", customerList) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#DU4yqfKGAqAABXNB) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:00 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:00 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.4 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("customer", orderMap.get("customer")) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#DU4yqfKGAqAABXNB) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:02 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:02 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.14 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getServletPath() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#DU4yqfKGAqAABXNB) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:20:59 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:20:59 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.2 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("orderRecord", orderMap.get("orderRecord")) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#DU4yqfKGAqAABXNB) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:03 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:03 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.16 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getSession(true) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#DU4yqfKGAqAABXNB) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:20:59 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:20:59 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.1 |
| Asynchronous | false |

### Image6.png customerFacade : CustomerFacade

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:20:59 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png [CustomerFacade](#Cul7KfKGAqAABU5B) |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **find(Integer.parseInt(customerId)) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#DU4yqfKGAqAABXNB) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:01 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:01 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.8 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **findAll() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#DU4yqfKGAqAABXNB) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:00 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:00 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.3 |
| Asynchronous | false |

### Image6.png customerOrderFacade : CustomerOrderFacade

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:00 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png [CustomerOrderFacade](#uul7KfKGAqAABU5z) |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **findAll() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#DU4yqfKGAqAABXNB) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:00 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:00 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.5 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#DU4yqfKGAqAABXNB) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:01 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:01 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.10 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:01 | | Last Modified | 03-Sep-2015 23:26:56 | | Arguments | |  | | --- | | **Value** | | customer (Text) | | | Operation | findByCustomer | | Operation Type | Operation | |
| Asynchronous | false |

### Image6.png orderManager : OrderManager

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:02 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png [OrderManager](#7ul7KfKGAqAABU8Z) |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#DU4yqfKGAqAABXNB) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:02 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:02 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.13 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:02 | | Last Modified | 03-Sep-2015 23:26:56 | | Arguments | |  | | --- | | **Value** | | Integer.parseInt(orderId) (Text) | | | Operation | getOrderDetails | | Operation Type | Operation | |
| Asynchronous | false |

### Image6.png session : HttpSession

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:04 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Multiplicity | Unspecified |
| Base Classifier | HttpSession |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **invalidate() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#DU4yqfKGAqAABXNB) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:04 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:04 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.19 |
| Asynchronous | false |

### Image6.png response : HttpServletResponse

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:04 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Multiplicity | Unspecified |
| Base Classifier | HttpServletResponse |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **sendRedirect("/Shop20/admin/") : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#DU4yqfKGAqAABXNB) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:04 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:04 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.20 |
| Asynchronous | false |

### Image6.png ex : ex

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:05 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Multiplicity | Unspecified |
| Base Classifier | ex |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **printStackTrace() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#DU4yqfKGAqAABXNB) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:05 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:05 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.22 |
| Asynchronous | false |

### Image7.png CombinedFragment8

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:20:59 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Operator Kind | opt |

#### Interaction Operands

|  |
| --- |
| **Value** |
| Operand |

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image6.png [N/A](#DU4yqfKGAqAABXNB) |  |
| Image6.png [customerFacade](#uS4yqfKGAqAABXVs) |  |
| Image6.png [request](#Ps4yqfKGAqAABXP8) |  |

### Image8.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:20:59 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:20:59 | | Last Modified | 03-Sep-2015 23:26:56 | | Constraint | userPath.equals("/admin/viewCustomers") | |

### Image7.png CombinedFragment9

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:00 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Operator Kind | opt |

#### Interaction Operands

|  |
| --- |
| **Value** |
| Operand |

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image6.png [N/A](#DU4yqfKGAqAABXNB) |  |
| Image6.png [customerOrderFacade](#hm4yqfKGAqAABXgx) |  |
| Image6.png [request](#Ps4yqfKGAqAABXP8) |  |
| Image6.png [customerFacade](#uS4yqfKGAqAABXVs) |  |

### Image8.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:00 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:00 | | Last Modified | 03-Sep-2015 23:26:56 | | Constraint | userPath.equals("/admin/viewOrders") | |

### Image7.png CombinedFragment10

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:00 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Operator Kind | opt |

#### Interaction Operands

|  |
| --- |
| **Value** |
| Operand |

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image6.png [N/A](#DU4yqfKGAqAABXNB) |  |
| Image6.png [request](#Ps4yqfKGAqAABXP8) |  |
| Image6.png [customerFacade](#uS4yqfKGAqAABXVs) |  |
| Image6.png [customerOrderFacade](#hm4yqfKGAqAABXgx) |  |

### Image8.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:00 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:00 | | Last Modified | 03-Sep-2015 23:26:56 | | Constraint | userPath.equals("/admin/customerRecord") | |

### Image7.png CombinedFragment11

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:02 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Operator Kind | opt |

#### Interaction Operands

|  |
| --- |
| **Value** |
| Operand |

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image6.png [N/A](#DU4yqfKGAqAABXNB) |  |
| Image6.png [request](#Ps4yqfKGAqAABXP8) |  |
| Image6.png [orderManager](#ln4yqfKGAqAABYML) |  |
| Image6.png [customerFacade](#uS4yqfKGAqAABXVs) |  |
| Image6.png [customerOrderFacade](#hm4yqfKGAqAABXgx) |  |

### Image8.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:02 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:02 | | Last Modified | 03-Sep-2015 23:26:56 | | Constraint | userPath.equals("/admin/orderRecord") | |

### Image7.png CombinedFragment12

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:04 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Operator Kind | opt |

#### Interaction Operands

|  |
| --- |
| **Value** |
| Operand |

#### Covered LifeLines

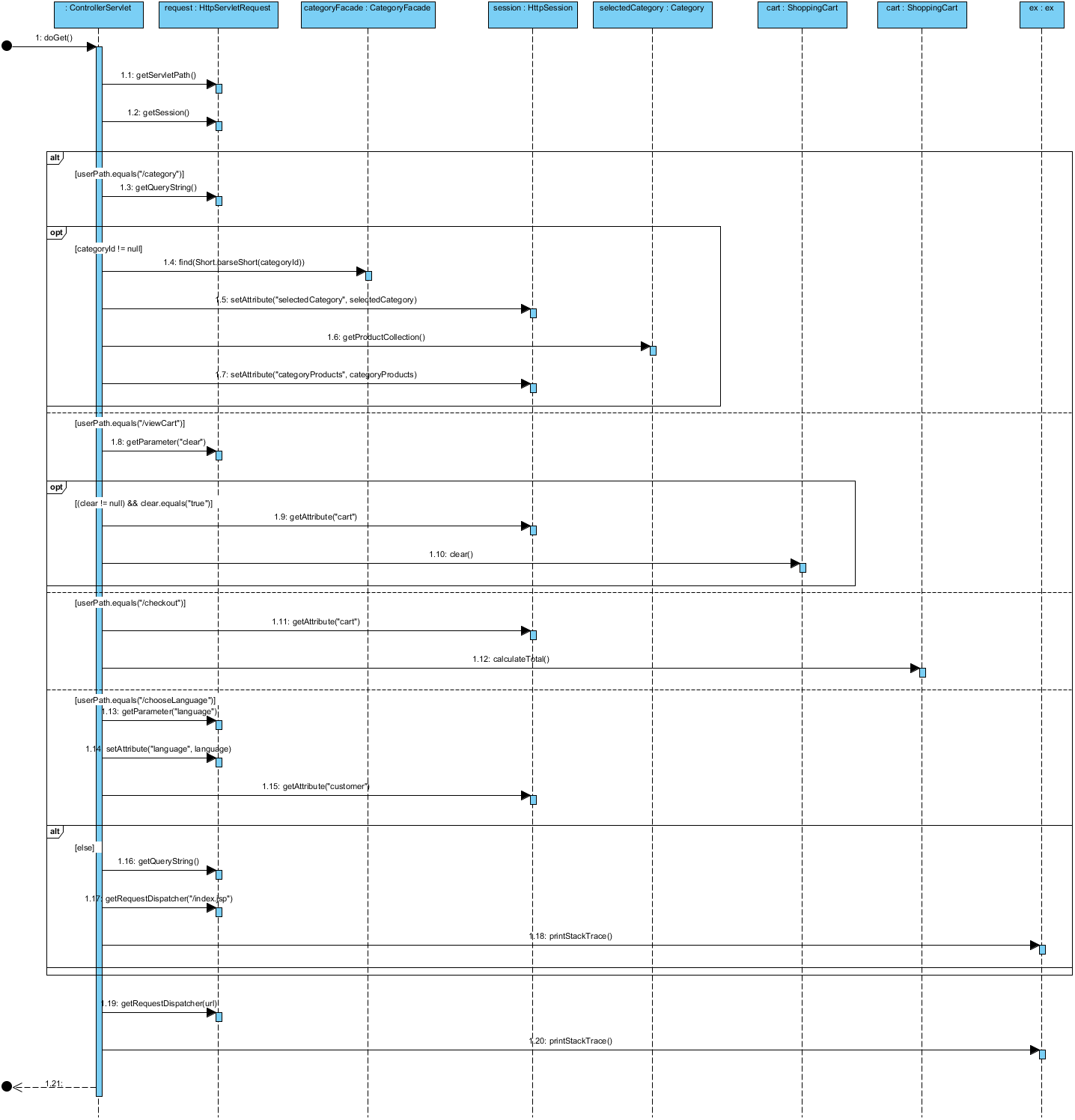
|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image6.png [N/A](#DU4yqfKGAqAABXNB) |  |
| Image6.png [request](#Ps4yqfKGAqAABXP8) |  |
| Image6.png [session](#26EyqfKGAqAABYlL) |  |
| Image6.png [response](#.eEyqfKGAqAABYpV) |  |
| Image6.png [customerFacade](#uS4yqfKGAqAABXVs) |  |
| Image6.png [customerOrderFacade](#hm4yqfKGAqAABXgx) |  |
| Image6.png [orderManager](#ln4yqfKGAqAABYML) |  |

### Image8.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:21:04 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:21:04 | | Last Modified | 03-Sep-2015 23:26:56 | | Constraint | userPath.equals("/admin/logout") | |

Sequence Diagram

# controller.ControllerServlet.doGet(HttpServletRequest, HttpServletResponse)



|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:43 |
| Last Modified | 04-Sep-2015 07:08:08 |
| Request Validate Snap To Grid | false |
| Name | controller.ControllerServlet.doGet(HttpServletRequest, HttpServletResponse) |
| Request Fix Diagram For Rose Import | false |

## Summary

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image6.png [: ControllerServlet](#zpByqfKGAqAABZDE) |  |
| Image6.png [request : HttpServletRequest](#65ByqfKGAqAABZFS) |  |
| Image6.png [categoryFacade : CategoryFacade](#WDByqfKGAqAABZRb) |  |
| Image6.png [session : HttpSession](#azByqfKGAqAABZUV) |  |
| Image6.png [selectedCategory : Category](#.bByqfKGAqAABZ0m) |  |
| Image6.png [cart : ShoppingCart](#KghyqfKGAqAABaR0) |  |
| Image6.png [cart : ShoppingCart](#Z4hyqfKGAqAABafO) |  |
| Image6.png [ex : ex](#QJhyqfKGAqAABazH) |  |
| Image7.png [CombinedFragment13](#C9ByqfKGAqAABZLN) |  |
| Image8.png [Operand](#a9ByqfKGAqAABZNJ) |  |
| Image7.png [CombinedFragment14](#kDByqfKGAqAABZPN) |  |
| Image8.png [Operand](#cDByqfKGAqAABZPd) |  |
| Image8.png [Operand](#r3ByqfKGAqAABaEI) |  |
| Image7.png [CombinedFragment14](#4fByqfKGAqAABaGu) |  |
| Image8.png [Operand](#CfByqfKGAqAABaG.) |  |
| Image8.png [Operand](#oIhyqfKGAqAABabc) |  |
| Image8.png [Operand](#h8hyqfKGAqAABaja) |  |
| Image7.png [CombinedFragment14](#82hyqfKGAqAABarw) |  |
| Image8.png [Operand](#bOhyqfKGAqAABatE) |  |

## Details

### Image6.png  : ControllerServlet

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:43 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png [ControllerServlet](#h6l7KfKGAqAABUN9) |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **find(Short.parseShort(categoryId)) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [categoryFacade](#6DByqfKGAqAABZQe) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:44 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:44 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.4 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [selectedCategory](#ebByqfKGAqAABZ0N) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:44 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:44 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.6 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:44 | | Last Modified | 03-Sep-2015 23:26:56 | | Operation | productCollection | | Operation Type | Attribute Getter | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **printStackTrace() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [ex](#QJhyqfKGAqAABay.) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:48 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:48 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.20 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("categoryProducts", categoryProducts) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [session](#qzByqfKGAqAABZUM) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:44 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:44 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.7 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getAttribute("cart") : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [session](#qzByqfKGAqAABZUM) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:45 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:45 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.9 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getAttribute("customer") : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [session](#qzByqfKGAqAABZUM) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:46 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:46 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.15 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getServletPath() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#a5ByqfKGAqAABZFJ) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:43 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:43 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.1 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [cart](#x4hyqfKGAqAABaeQ) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:45 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:45 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.12 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:45 | | Last Modified | 03-Sep-2015 23:26:56 | | Arguments | |  | | --- | | **Value** | | surcharge (Text) | | | Operation | calculateTotal | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **printStackTrace() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [ex](#QJhyqfKGAqAABay.) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:47 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:47 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.18 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getQueryString() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#a5ByqfKGAqAABZFJ) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:44 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:44 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.3 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("clear") : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#a5ByqfKGAqAABZFJ) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:44 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:44 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.8 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("selectedCategory", selectedCategory) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [session](#qzByqfKGAqAABZUM) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:44 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:44 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.5 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getAttribute("cart") : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [session](#qzByqfKGAqAABZUM) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:45 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:45 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.11 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("language") : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#a5ByqfKGAqAABZFJ) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:46 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:46 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.13 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getRequestDispatcher("/index.jsp") : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#a5ByqfKGAqAABZFJ) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:47 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:47 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.17 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:48 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:48 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.21 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:48 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getSession() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#a5ByqfKGAqAABZFJ) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:44 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:44 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.2 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getRequestDispatcher(url) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#a5ByqfKGAqAABZFJ) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:48 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:48 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.19 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("language", language) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#a5ByqfKGAqAABZFJ) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:46 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:46 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.14 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getQueryString() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#a5ByqfKGAqAABZFJ) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:47 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:47 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.16 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [cart](#SghyqfKGAqAABaRP) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:45 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:45 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.10 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:45 | | Last Modified | 03-Sep-2015 23:26:56 | | Operation | clear | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:43 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:43 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:43 | | Last Modified | 03-Sep-2015 23:26:56 | | Operation | doGet | | Operation Type | Operation | |
| Asynchronous | false |

### Image6.png request : HttpServletRequest

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:43 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Multiplicity | Unspecified |
| Base Classifier | HttpServletRequest |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **setAttribute("language", language) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#zpByqfKGAqAABZCz) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:46 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:46 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.14 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getSession() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#zpByqfKGAqAABZCz) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:44 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:44 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.2 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getQueryString() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#zpByqfKGAqAABZCz) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:47 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:47 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.16 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("clear") : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#zpByqfKGAqAABZCz) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:44 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:44 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.8 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getRequestDispatcher("/index.jsp") : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#zpByqfKGAqAABZCz) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:47 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:47 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.17 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getRequestDispatcher(url) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#zpByqfKGAqAABZCz) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:48 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:48 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.19 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getServletPath() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#zpByqfKGAqAABZCz) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:43 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:43 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.1 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getQueryString() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#zpByqfKGAqAABZCz) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:44 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:44 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.3 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("language") : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#zpByqfKGAqAABZCz) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:46 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:46 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.13 |
| Asynchronous | false |

### Image6.png categoryFacade : CategoryFacade

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:44 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png [CategoryFacade](#Yul7KfKGAqAABU4P) |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **find(Short.parseShort(categoryId)) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#zpByqfKGAqAABZCz) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:44 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:44 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.4 |
| Asynchronous | false |

### Image6.png session : HttpSession

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:44 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Multiplicity | Unspecified |
| Base Classifier | HttpSession |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **getAttribute("customer") : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#zpByqfKGAqAABZCz) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:46 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:46 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.15 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getAttribute("cart") : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#zpByqfKGAqAABZCz) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:45 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:45 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.11 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getAttribute("cart") : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#zpByqfKGAqAABZCz) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:45 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:45 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.9 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("categoryProducts", categoryProducts) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#zpByqfKGAqAABZCz) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:44 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:44 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.7 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("selectedCategory", selectedCategory) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#zpByqfKGAqAABZCz) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:44 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:44 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.5 |
| Asynchronous | false |

### Image6.png selectedCategory : Category

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:44 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png [Category](#_6l7KfKGAqAABUQX) |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#zpByqfKGAqAABZCz) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:44 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:44 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.6 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:44 | | Last Modified | 03-Sep-2015 23:26:56 | | Operation | productCollection | | Operation Type | Attribute Getter | |
| Asynchronous | false |

### Image6.png cart : ShoppingCart

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:45 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png [ShoppingCart](#ubbjKfKGAqAABRnM) |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#zpByqfKGAqAABZCz) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:45 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:45 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.10 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:45 | | Last Modified | 03-Sep-2015 23:26:56 | | Operation | clear | | Operation Type | Operation | |
| Asynchronous | false |

### Image6.png cart : ShoppingCart

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:45 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png [ShoppingCart](#ubbjKfKGAqAABRnM) |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#zpByqfKGAqAABZCz) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:45 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:45 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.12 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:45 | | Last Modified | 03-Sep-2015 23:26:56 | | Arguments | |  | | --- | | **Value** | | surcharge (Text) | | | Operation | calculateTotal | | Operation Type | Operation | |
| Asynchronous | false |

### Image6.png ex : ex

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:47 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Multiplicity | Unspecified |
| Base Classifier | ex |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **printStackTrace() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#zpByqfKGAqAABZCz) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:48 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:48 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.20 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **printStackTrace() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#zpByqfKGAqAABZCz) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:47 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:47 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.18 |
| Asynchronous | false |

### Image7.png CombinedFragment13

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:44 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Operator Kind | alt |

#### Interaction Operands

|  |
| --- |
| **Value** |
| Operand |
| Operand |
| Operand |
| Operand |

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image6.png [N/A](#zpByqfKGAqAABZCz) |  |
| Image6.png [request](#a5ByqfKGAqAABZFJ) |  |
| Image6.png [categoryFacade](#6DByqfKGAqAABZQe) |  |
| Image6.png [session](#qzByqfKGAqAABZUM) |  |
| Image6.png [selectedCategory](#ebByqfKGAqAABZ0N) |  |
| Image6.png [cart](#SghyqfKGAqAABaRP) |  |
| Image6.png [cart](#x4hyqfKGAqAABaeQ) |  |
| Image6.png [ex](#QJhyqfKGAqAABay.) |  |

### Image8.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:44 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:44 | | Last Modified | 03-Sep-2015 23:26:56 | | Constraint | userPath.equals("/category") | |

#### Children

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image7.png [CombinedFragment14](#kDByqfKGAqAABZPN) |  |

### Image7.png CombinedFragment14

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:44 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Operator Kind | opt |

#### Interaction Operands

|  |
| --- |
| **Value** |
| Operand |

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image6.png [N/A](#zpByqfKGAqAABZCz) |  |
| Image6.png [categoryFacade](#6DByqfKGAqAABZQe) |  |
| Image6.png [session](#qzByqfKGAqAABZUM) |  |
| Image6.png [selectedCategory](#ebByqfKGAqAABZ0N) |  |
| Image6.png [request](#a5ByqfKGAqAABZFJ) |  |

### Image8.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:44 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:44 | | Last Modified | 03-Sep-2015 23:26:56 | | Constraint | categoryId != null | |

### Image8.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:44 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:44 | | Last Modified | 03-Sep-2015 23:26:56 | | Constraint | userPath.equals("/viewCart") | |

#### Children

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image7.png [CombinedFragment14](#4fByqfKGAqAABaGu) |  |

### Image7.png CombinedFragment14

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:45 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Operator Kind | opt |

#### Interaction Operands

|  |
| --- |
| **Value** |
| Operand |

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image6.png [N/A](#zpByqfKGAqAABZCz) |  |
| Image6.png [session](#qzByqfKGAqAABZUM) |  |
| Image6.png [cart](#SghyqfKGAqAABaRP) |  |
| Image6.png [request](#a5ByqfKGAqAABZFJ) |  |
| Image6.png [categoryFacade](#6DByqfKGAqAABZQe) |  |
| Image6.png [selectedCategory](#ebByqfKGAqAABZ0N) |  |

### Image8.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:45 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:45 | | Last Modified | 03-Sep-2015 23:26:56 | | Constraint | (clear != null) && clear.equals("true") | |

### Image8.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:45 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:45 | | Last Modified | 03-Sep-2015 23:26:56 | | Constraint | userPath.equals("/checkout") | |

### Image8.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:46 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:46 | | Last Modified | 03-Sep-2015 23:26:56 | | Constraint | userPath.equals("/chooseLanguage") | |

#### Children

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image7.png [CombinedFragment14](#82hyqfKGAqAABarw) |  |

### Image7.png CombinedFragment14

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:46 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Operator Kind | alt |

#### Interaction Operands

|  |
| --- |
| **Value** |
| Operand |

#### Covered LifeLines

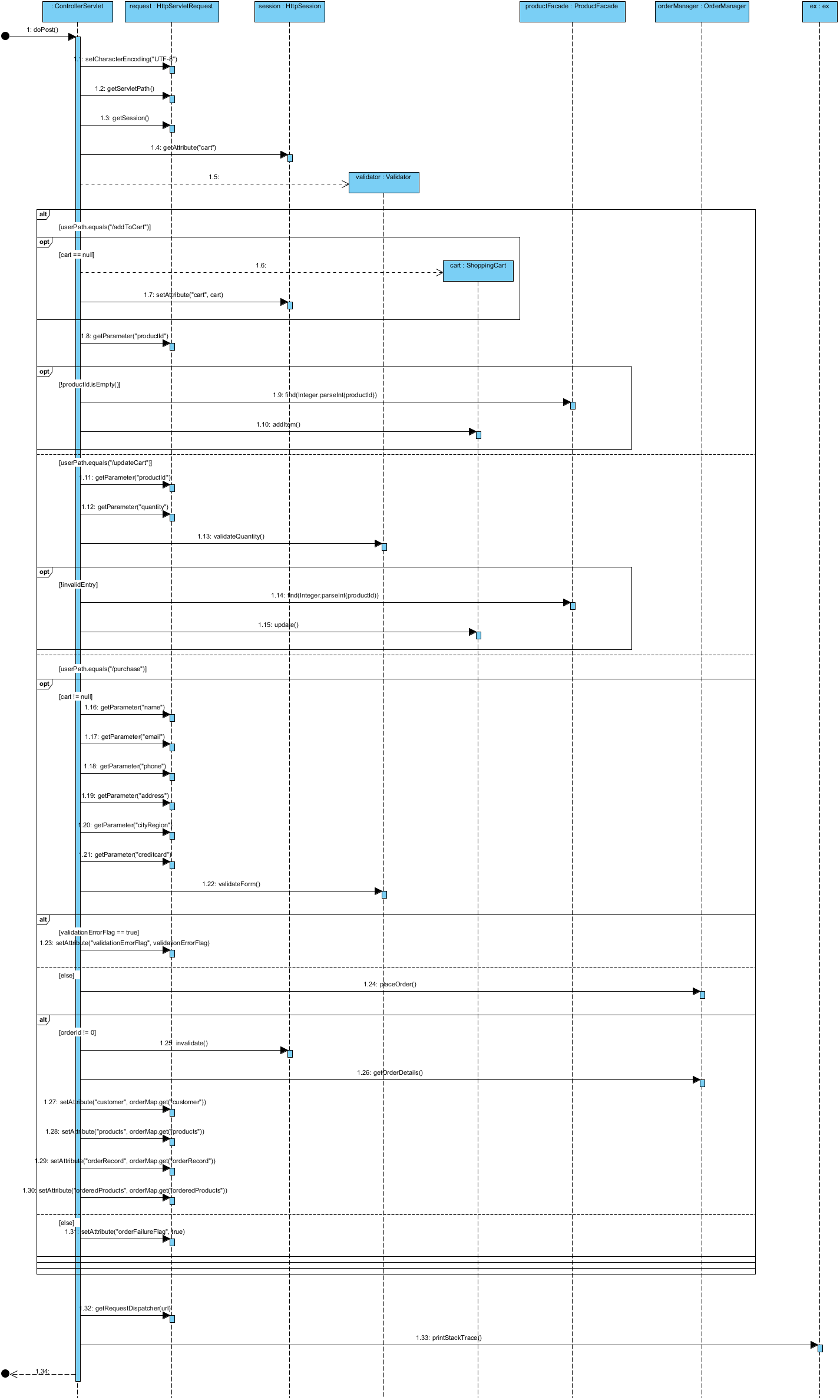
|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image6.png [N/A](#zpByqfKGAqAABZCz) |  |
| Image6.png [request](#a5ByqfKGAqAABZFJ) |  |
| Image6.png [ex](#QJhyqfKGAqAABay.) |  |
| Image6.png [categoryFacade](#6DByqfKGAqAABZQe) |  |
| Image6.png [session](#qzByqfKGAqAABZUM) |  |
| Image6.png [selectedCategory](#ebByqfKGAqAABZ0N) |  |
| Image6.png [cart](#SghyqfKGAqAABaRP) |  |
| Image6.png [cart](#x4hyqfKGAqAABaeQ) |  |

### Image8.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:22:47 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:22:47 | | Last Modified | 03-Sep-2015 23:26:56 | | Constraint | else | |

Sequence Diagram

# controller.ControllerServlet.doPost(HttpServletRequest, HttpServletResponse)



|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:24 |
| Last Modified | 04-Sep-2015 07:08:01 |
| Request Validate Snap To Grid | false |
| Name | controller.ControllerServlet.doPost(HttpServletRequest, HttpServletResponse) |
| Request Fix Diagram For Rose Import | false |

## Summary

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image6.png [: ControllerServlet](#ENVyqfKGAqAABbK7) |  |
| Image6.png [request : HttpServletRequest](#OtVyqfKGAqAABbNH) |  |
| Image6.png [session : HttpSession](#uzVyqfKGAqAABbUH) |  |
| Image6.png [validator : Validator](#BLVyqfKGAqAABbgB) |  |
| Image6.png [cart : ShoppingCart](#9HVyqfKGAqAABbr9) |  |
| Image6.png [productFacade : ProductFacade](#I_VyqfKGAqAABb7d) |  |
| Image6.png [orderManager : OrderManager](#eF1yqfKGAqAABcux) |  |
| Image6.png [ex : ex](#SUNyqfKGAqAABdcM) |  |
| Image7.png [CombinedFragment14](#c7VyqfKGAqAABbic) |  |
| Image8.png [Operand](#y7VyqfKGAqAABbis) |  |
| Image7.png [CombinedFragment15](#G7VyqfKGAqAABbi_) |  |
| Image8.png [Operand](#e7VyqfKGAqAABbjT) |  |
| Image7.png [CombinedFragment15](#.fVyqfKGAqAABb5H) |  |
| Image8.png [Operand](#zfVyqfKGAqAABb5a) |  |
| Image8.png [Operand](#Yo1yqfKGAqAABcB4) |  |
| Image7.png [CombinedFragment15](#IM1yqfKGAqAABcKM) |  |
| Image8.png [Operand](#MM1yqfKGAqAABcKc) |  |
| Image8.png [Operand](#ti1yqfKGAqAABcRV) |  |
| Image7.png [CombinedFragment15](#Hi1yqfKGAqAABcRn) |  |
| Image8.png [Operand](#kS1yqfKGAqAABcR3) |  |
| Image7.png [CombinedFragment16](#cp1yqfKGAqAABcoO) |  |
| Image8.png [Operand](#hp1yqfKGAqAABcoh) |  |
| Image8.png [Operand](#8F1yqfKGAqAABcsE) |  |
| Image7.png [CombinedFragment17](#4t1yqfKGAqAABcz9) |  |
| Image8.png [Operand](#Bt1yqfKGAqAABc0Q) |  |
| Image8.png [Operand](#CgNyqfKGAqAABdKF) |  |

## Details

### Image6.png  : ControllerServlet

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:24 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png [ControllerServlet](#h6l7KfKGAqAABUN9) |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [cart](#1HVyqfKGAqAABbqw) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:26 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:26 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.10 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:26 | | Last Modified | 04-Sep-2015 00:07:04 | | Arguments | |  | | --- | | **Value** | | product (Text) | | | Operation | addItem | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("name") : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#2tVyqfKGAqAABbM.) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:27 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:27 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.16 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [orderManager](#OF1yqfKGAqAABctt) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:29 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:29 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.26 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:29 | | Last Modified | 04-Sep-2015 00:07:04 | | Arguments | |  | | --- | | **Value** | | orderId (Text) | | | Operation | getOrderDetails | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getServletPath() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#2tVyqfKGAqAABbM.) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:25 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:25 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.2 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [validator](#eLVyqfKGAqAABbft) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:25 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:25 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Create Message |
| Sequence Number | 1.5 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:31 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:31 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.34 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:31 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getAttribute("cart") : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [session](#uzVyqfKGAqAABbT.) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:25 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:25 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.4 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **invalidate() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [session](#uzVyqfKGAqAABbT.) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:29 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:29 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.25 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("orderRecord", orderMap.get("orderRecord")) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#2tVyqfKGAqAABbM.) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:29 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:29 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.29 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("orderFailureFlag", true) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#2tVyqfKGAqAABbM.) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:30 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:30 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.31 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **find(Integer.parseInt(productId)) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [productFacade](#w_VyqfKGAqAABb6g) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:26 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:26 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.9 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("cityRegion") : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#2tVyqfKGAqAABbM.) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:28 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:28 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.20 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("phone") : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#2tVyqfKGAqAABbM.) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:27 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:27 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.18 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [cart](#1HVyqfKGAqAABbqw) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:25 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:25 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Create Message |
| Sequence Number | 1.6 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [orderManager](#OF1yqfKGAqAABctt) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:28 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:28 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.24 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:28 | | Last Modified | 04-Sep-2015 00:07:04 | | Arguments | |  | | --- | | **Value** | | name (Text) | | email (Text) | | phone (Text) | | address (Text) | | cityRegion (Text) | | ccNumber (Text) | | cart (Text) | | | Operation | placeOrder | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("productId") : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#2tVyqfKGAqAABbM.) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:26 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:26 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.11 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getSession() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#2tVyqfKGAqAABbM.) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:25 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:25 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.3 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getRequestDispatcher(url) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#2tVyqfKGAqAABbM.) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:30 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:30 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.32 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("customer", orderMap.get("customer")) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#2tVyqfKGAqAABbM.) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:29 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:29 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.27 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("products", orderMap.get("products")) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#2tVyqfKGAqAABbM.) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:29 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:29 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.28 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("cart", cart) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [session](#uzVyqfKGAqAABbT.) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:25 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:25 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.7 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **printStackTrace() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [ex](#iUNyqfKGAqAABdcD) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:31 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:31 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.33 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [validator](#eLVyqfKGAqAABbft) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:26 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:26 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.13 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:26 | | Last Modified | 04-Sep-2015 00:07:04 | | Arguments | |  | | --- | | **Value** | | productId (Text) | | quantity (Text) | | | Operation | validateQuantity | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [cart](#1HVyqfKGAqAABbqw) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:27 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:27 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.15 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:27 | | Last Modified | 04-Sep-2015 00:07:04 | | Arguments | |  | | --- | | **Value** | | product (Text) | | quantity (Text) | | | Operation | update | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("quantity") : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#2tVyqfKGAqAABbM.) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:26 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:26 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.12 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("address") : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#2tVyqfKGAqAABbM.) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:27 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:27 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.19 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("email") : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#2tVyqfKGAqAABbM.) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:27 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:27 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.17 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("creditcard") : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#2tVyqfKGAqAABbM.) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:28 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:28 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.21 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [validator](#eLVyqfKGAqAABbft) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:28 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:28 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.22 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:28 | | Last Modified | 04-Sep-2015 00:07:04 | | Arguments | |  | | --- | | **Value** | | name (Text) | | email (Text) | | phone (Text) | | address (Text) | | cityRegion (Text) | | ccNumber (Text) | | request (Text) | | | Operation | validateForm | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("productId") : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#2tVyqfKGAqAABbM.) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:25 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:25 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.8 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("orderedProducts", orderMap.get("orderedProducts")) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#2tVyqfKGAqAABbM.) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:30 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:30 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.30 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setCharacterEncoding("UTF-8") : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#2tVyqfKGAqAABbM.) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:25 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:25 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.1 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **find(Integer.parseInt(productId)) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [productFacade](#w_VyqfKGAqAABb6g) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:27 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:27 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.14 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("validationErrorFlag", validationErrorFlag) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#2tVyqfKGAqAABbM.) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:28 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:28 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.23 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:24 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:24 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:24 | | Last Modified | 03-Sep-2015 23:26:56 | | Operation | doPost | | Operation Type | Operation | |
| Asynchronous | false |

### Image6.png request : HttpServletRequest

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:25 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Multiplicity | Unspecified |
| Base Classifier | HttpServletRequest |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **getParameter("phone") : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:27 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:27 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.18 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("orderFailureFlag", true) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:30 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:30 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.31 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getRequestDispatcher(url) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:30 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:30 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.32 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getServletPath() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:25 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:25 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.2 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("name") : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:27 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:27 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.16 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("address") : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:27 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:27 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.19 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setCharacterEncoding("UTF-8") : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:25 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:25 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.1 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("productId") : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:26 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:26 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.11 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("products", orderMap.get("products")) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:29 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:29 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.28 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("productId") : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:25 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:25 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.8 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("quantity") : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:26 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:26 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.12 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("email") : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:27 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:27 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.17 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("orderedProducts", orderMap.get("orderedProducts")) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:30 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:30 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.30 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getSession() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:25 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:25 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.3 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("customer", orderMap.get("customer")) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:29 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:29 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.27 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("orderRecord", orderMap.get("orderRecord")) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:29 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:29 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.29 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("cityRegion") : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:28 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:28 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.20 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("creditcard") : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:28 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:28 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.21 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("validationErrorFlag", validationErrorFlag) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:28 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:28 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.23 |
| Asynchronous | false |

### Image6.png session : HttpSession

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:25 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Multiplicity | Unspecified |
| Base Classifier | HttpSession |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **getAttribute("cart") : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:25 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:25 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.4 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **invalidate() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:29 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:29 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.25 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("cart", cart) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:25 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:25 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.7 |
| Asynchronous | false |

### Image6.png validator : Validator

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:25 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png [Validator](#mel7KfKGAqAABVCK) |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:26 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:26 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.13 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:26 | | Last Modified | 04-Sep-2015 00:07:04 | | Arguments | |  | | --- | | **Value** | | productId (Text) | | quantity (Text) | | | Operation | validateQuantity | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:25 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:25 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Create Message |
| Sequence Number | 1.5 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:28 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:28 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.22 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:28 | | Last Modified | 04-Sep-2015 00:07:04 | | Arguments | |  | | --- | | **Value** | | name (Text) | | email (Text) | | phone (Text) | | address (Text) | | cityRegion (Text) | | ccNumber (Text) | | request (Text) | | | Operation | validateForm | | Operation Type | Operation | |
| Asynchronous | false |

### Image6.png cart : ShoppingCart

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:25 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png [ShoppingCart](#ubbjKfKGAqAABRnM) |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:27 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:27 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.15 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:27 | | Last Modified | 04-Sep-2015 00:07:04 | | Arguments | |  | | --- | | **Value** | | product (Text) | | quantity (Text) | | | Operation | update | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:25 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:25 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Create Message |
| Sequence Number | 1.6 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:26 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:26 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.10 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:26 | | Last Modified | 04-Sep-2015 00:07:04 | | Arguments | |  | | --- | | **Value** | | product (Text) | | | Operation | addItem | | Operation Type | Operation | |
| Asynchronous | false |

### Image6.png productFacade : ProductFacade

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:26 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png [ProductFacade](#sel7KfKGAqAABVBP) |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **find(Integer.parseInt(productId)) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:26 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:26 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.9 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **find(Integer.parseInt(productId)) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:27 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:27 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.14 |
| Asynchronous | false |

### Image6.png orderManager : OrderManager

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:28 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png [OrderManager](#7ul7KfKGAqAABU8Z) |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:29 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:29 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.26 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:29 | | Last Modified | 04-Sep-2015 00:07:04 | | Arguments | |  | | --- | | **Value** | | orderId (Text) | | | Operation | getOrderDetails | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:28 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:28 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.24 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:28 | | Last Modified | 04-Sep-2015 00:07:04 | | Arguments | |  | | --- | | **Value** | | name (Text) | | email (Text) | | phone (Text) | | address (Text) | | cityRegion (Text) | | ccNumber (Text) | | cart (Text) | | | Operation | placeOrder | | Operation Type | Operation | |
| Asynchronous | false |

### Image6.png ex : ex

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:30 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Multiplicity | Unspecified |
| Base Classifier | ex |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **printStackTrace() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:31 | | Last Modified | 04-Sep-2015 00:07:04 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:31 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Type | Message |
| Sequence Number | 1.33 |
| Asynchronous | false |

### Image7.png CombinedFragment14

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:25 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Operator Kind | alt |

#### Interaction Operands

|  |
| --- |
| **Value** |
| Operand |
| Operand |
| Operand |

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image6.png [N/A](#4NVyqfKGAqAABbKq) |  |
| Image6.png [request](#2tVyqfKGAqAABbM.) |  |
| Image6.png [session](#uzVyqfKGAqAABbT.) |  |
| Image6.png [validator](#eLVyqfKGAqAABbft) |  |
| Image6.png [cart](#1HVyqfKGAqAABbqw) |  |
| Image6.png [productFacade](#w_VyqfKGAqAABb6g) |  |
| Image6.png [orderManager](#OF1yqfKGAqAABctt) |  |

### Image8.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:25 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:25 | | Last Modified | 04-Sep-2015 00:07:04 | | Constraint | userPath.equals("/addToCart") | |

#### Children

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image7.png [CombinedFragment15](#G7VyqfKGAqAABbi_) |  |
| Image7.png [CombinedFragment15](#.fVyqfKGAqAABb5H) |  |

### Image7.png CombinedFragment15

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:25 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Operator Kind | opt |

#### Interaction Operands

|  |
| --- |
| **Value** |
| Operand |

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image6.png [N/A](#4NVyqfKGAqAABbKq) |  |
| Image6.png [session](#uzVyqfKGAqAABbT.) |  |
| Image6.png [request](#2tVyqfKGAqAABbM.) |  |
| Image6.png [validator](#eLVyqfKGAqAABbft) |  |
| Image6.png [cart](#1HVyqfKGAqAABbqw) |  |

### Image8.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:25 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:25 | | Last Modified | 04-Sep-2015 00:07:04 | | Constraint | cart == null | |

### Image7.png CombinedFragment15

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:26 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Operator Kind | opt |

#### Interaction Operands

|  |
| --- |
| **Value** |
| Operand |

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image6.png [N/A](#4NVyqfKGAqAABbKq) |  |
| Image6.png [productFacade](#w_VyqfKGAqAABb6g) |  |
| Image6.png [cart](#1HVyqfKGAqAABbqw) |  |
| Image6.png [request](#2tVyqfKGAqAABbM.) |  |
| Image6.png [session](#uzVyqfKGAqAABbT.) |  |
| Image6.png [validator](#eLVyqfKGAqAABbft) |  |

### Image8.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:26 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:26 | | Last Modified | 04-Sep-2015 00:07:04 | | Constraint | !productId.isEmpty() | |

### Image8.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:26 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:26 | | Last Modified | 04-Sep-2015 00:07:04 | | Constraint | userPath.equals("/updateCart") | |

#### Children

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image7.png [CombinedFragment15](#IM1yqfKGAqAABcKM) |  |

### Image7.png CombinedFragment15

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:26 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Operator Kind | opt |

#### Interaction Operands

|  |
| --- |
| **Value** |
| Operand |

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image6.png [N/A](#4NVyqfKGAqAABbKq) |  |
| Image6.png [productFacade](#w_VyqfKGAqAABb6g) |  |
| Image6.png [cart](#1HVyqfKGAqAABbqw) |  |
| Image6.png [request](#2tVyqfKGAqAABbM.) |  |
| Image6.png [session](#uzVyqfKGAqAABbT.) |  |
| Image6.png [validator](#eLVyqfKGAqAABbft) |  |

### Image8.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:26 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:26 | | Last Modified | 04-Sep-2015 00:07:04 | | Constraint | !invalidEntry | |

### Image8.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:27 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:27 | | Last Modified | 04-Sep-2015 00:07:04 | | Constraint | userPath.equals("/purchase") | |

#### Children

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image7.png [CombinedFragment15](#Hi1yqfKGAqAABcRn) |  |

### Image7.png CombinedFragment15

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:27 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Operator Kind | opt |

#### Interaction Operands

|  |
| --- |
| **Value** |
| Operand |

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image6.png [N/A](#4NVyqfKGAqAABbKq) |  |
| Image6.png [request](#2tVyqfKGAqAABbM.) |  |
| Image6.png [validator](#eLVyqfKGAqAABbft) |  |
| Image6.png [session](#uzVyqfKGAqAABbT.) |  |
| Image6.png [cart](#1HVyqfKGAqAABbqw) |  |
| Image6.png [productFacade](#w_VyqfKGAqAABb6g) |  |
| Image6.png [orderManager](#OF1yqfKGAqAABctt) |  |

### Image8.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:27 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:27 | | Last Modified | 04-Sep-2015 00:07:04 | | Constraint | cart != null | |

#### Children

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image7.png [CombinedFragment16](#cp1yqfKGAqAABcoO) |  |

### Image7.png CombinedFragment16

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:28 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Operator Kind | alt |

#### Interaction Operands

|  |
| --- |
| **Value** |
| Operand |
| Operand |

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image6.png [N/A](#4NVyqfKGAqAABbKq) |  |
| Image6.png [request](#2tVyqfKGAqAABbM.) |  |
| Image6.png [orderManager](#OF1yqfKGAqAABctt) |  |
| Image6.png [session](#uzVyqfKGAqAABbT.) |  |
| Image6.png [validator](#eLVyqfKGAqAABbft) |  |
| Image6.png [cart](#1HVyqfKGAqAABbqw) |  |
| Image6.png [productFacade](#w_VyqfKGAqAABb6g) |  |

### Image8.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:28 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:28 | | Last Modified | 04-Sep-2015 00:07:04 | | Constraint | validationErrorFlag == true | |

### Image8.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:28 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:28 | | Last Modified | 04-Sep-2015 00:07:04 | | Constraint | else | |

#### Children

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image7.png [CombinedFragment17](#4t1yqfKGAqAABcz9) |  |

### Image7.png CombinedFragment17

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:29 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Operator Kind | alt |

#### Interaction Operands

|  |
| --- |
| **Value** |
| Operand |
| Operand |

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image6.png [N/A](#4NVyqfKGAqAABbKq) |  |
| Image6.png [session](#uzVyqfKGAqAABbT.) |  |
| Image6.png [orderManager](#OF1yqfKGAqAABctt) |  |
| Image6.png [request](#2tVyqfKGAqAABbM.) |  |
| Image6.png [validator](#eLVyqfKGAqAABbft) |  |
| Image6.png [cart](#1HVyqfKGAqAABbqw) |  |
| Image6.png [productFacade](#w_VyqfKGAqAABb6g) |  |

### Image8.png Operand

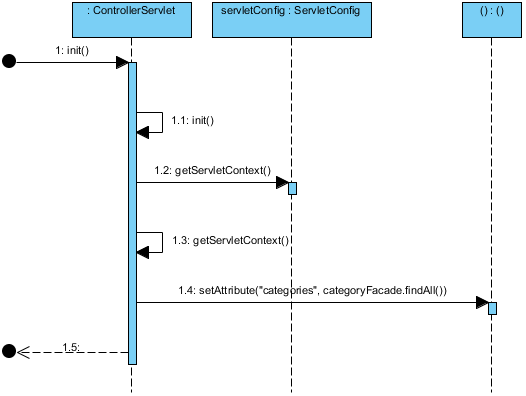
|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:29 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:29 | | Last Modified | 04-Sep-2015 00:07:04 | | Constraint | orderId != 0 | |

### Image8.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:30 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:30 | | Last Modified | 04-Sep-2015 00:07:04 | | Constraint | else | |

Sequence Diagram

# controller.ControllerServlet.init(ServletConfig)



|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:57 |
| Last Modified | 03-Sep-2015 23:24:47 |
| Request Validate Snap To Grid | false |
| Name | controller.ControllerServlet.init(ServletConfig) |
| Request Fix Diagram For Rose Import | false |

## Summary

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image6.png [: ControllerServlet](#2bTyqfKGAqAABdoT) |  |
| Image6.png [servletConfig : ServletConfig](#SHTyqfKGAqAABdsw) |  |
| Image6.png [() : ()](#IAzyqfKGAqAABdyl) |  |

## Details

### Image6.png  : ControllerServlet

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:58 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png [ControllerServlet](#h6l7KfKGAqAABUN9) |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **getServletContext() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [servletConfig](#iHTyqfKGAqAABdsn) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:58 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:58 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.2 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("categories", categoryFacade.findAll()) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [()](#wAzyqfKGAqAABdyc) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:59 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:59 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.4 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#mbTyqfKGAqAABdn_) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:58 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:58 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Self Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:58 | | Last Modified | 03-Sep-2015 23:26:56 | | Arguments | |  | | --- | | **Value** | | servletConfig (Text) | | | Operation | init | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:59 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:59 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.5 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:59 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getServletContext() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#mbTyqfKGAqAABdn_) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:58 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:58 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Self Message |
| Sequence Number | 1.3 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:58 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:58 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:58 | | Last Modified | 03-Sep-2015 23:26:56 | | Operation | init | | Operation Type | Operation | |
| Asynchronous | false |

### Image6.png servletConfig : ServletConfig

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:58 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Multiplicity | Unspecified |
| Base Classifier | ServletConfig |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **getServletContext() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#mbTyqfKGAqAABdn_) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:58 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:58 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.2 |
| Asynchronous | false |

### Image6.png () : ()

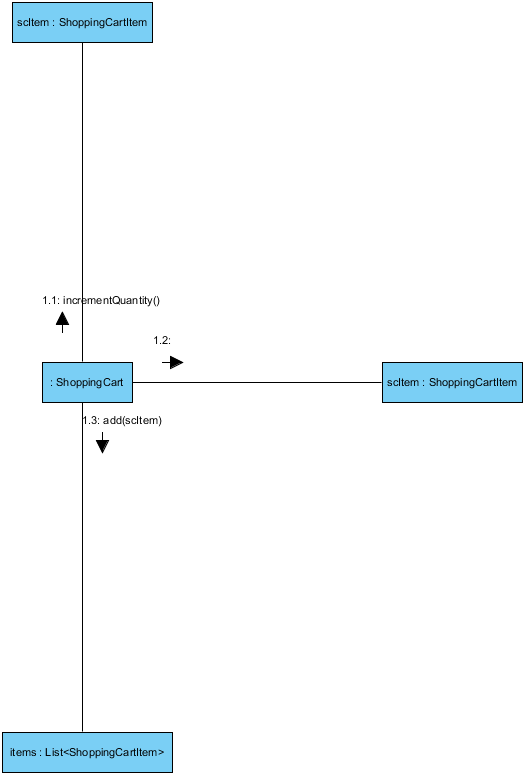
|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:58 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Multiplicity | Unspecified |
| Base Classifier | () |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **setAttribute("categories", categoryFacade.findAll()) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#mbTyqfKGAqAABdn_) | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:59 | | Last Modified | 03-Sep-2015 23:26:56 | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:59 |
| Last Modified | 03-Sep-2015 23:26:56 |
| Type | Message |
| Sequence Number | 1.4 |
| Asynchronous | false |

Communication Diagram

# cart.ShoppingCart.addItem(Product) - Communications



|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:06:33 |
| Last Modified | 03-Sep-2015 22:52:23 |
| Request Validate Snap To Grid | false |
| Name | cart.ShoppingCart.addItem(Product) - Communications |

## Summary

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image21.png [: ShoppingCart](#d3qLKfKGAqAABSWy) |  |
| Image21.png [scItem : ShoppingCartItem](#d3qLKfKGAqAABSW0) |  |
| Image21.png [scItem : ShoppingCartItem](#d3qLKfKGAqAABSW2) |  |
| Image22.png [add(scItem)](#cvqLKfKGAqAABSYX) |  |
| Image21.png [items : List<ShoppingCartItem>](#d3qLKfKGAqAABSW4) |  |

## Details

### Image6.png  : ShoppingCart

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 20:55:42 |
| Last Modified | 03-Sep-2015 21:06:45 |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png [ShoppingCart](#ubbjKfKGAqAABRnM) |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [scItem](#7JnjKfKGAqAABR5l) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:06:33 | | Last Modified | 03-Sep-2015 21:06:45 | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:06:33 |
| Last Modified | 03-Sep-2015 21:06:45 |

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [scItem](#GtnjKfKGAqAABR9l) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:06:33 | | Last Modified | 03-Sep-2015 21:06:45 | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:06:33 |
| Last Modified | 03-Sep-2015 21:06:45 |

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [items](#.jnjKfKGAqAABSA0) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:06:33 | | Last Modified | 03-Sep-2015 21:06:45 | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:06:33 |
| Last Modified | 03-Sep-2015 21:06:45 |

### Image23.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image6.png [N/A](#VvbjKfKGAqAABRvo) |
| End Relationship To Meta Model Element | Image6.png [scItem](#7JnjKfKGAqAABR5l) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 20:55:53 |
| Last Modified | 03-Sep-2015 21:06:45 |
| From Activation | Image24.png Activation |
| To Activation | Image24.png Activation |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 20:55:53 | | Last Modified | 03-Sep-2015 21:06:45 | | Operation | incrementQuantity | | Operation Type | Operation | |
| Asynchronous | false |

### Image6.png scItem : ShoppingCartItem

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 20:55:53 |
| Last Modified | 03-Sep-2015 21:06:45 |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png [ShoppingCartItem](#ZJnjKfKGAqAABRzc) |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#VvbjKfKGAqAABRvo) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:06:33 | | Last Modified | 03-Sep-2015 21:06:45 | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:06:33 |
| Last Modified | 03-Sep-2015 21:06:45 |

### Image23.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image6.png [N/A](#VvbjKfKGAqAABRvo) |
| End Relationship To Meta Model Element | Image6.png [scItem](#GtnjKfKGAqAABR9l) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 20:55:53 |
| Last Modified | 03-Sep-2015 21:06:45 |
| From Activation | Image24.png Activation |
| Type | Create Message |
| Sequence Number | 1.2 |
| Asynchronous | false |

### Image6.png scItem : ShoppingCartItem

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 20:55:53 |
| Last Modified | 03-Sep-2015 21:06:45 |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png [ShoppingCartItem](#ZJnjKfKGAqAABRzc) |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#VvbjKfKGAqAABRvo) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:06:33 | | Last Modified | 03-Sep-2015 21:06:45 | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:06:33 |
| Last Modified | 03-Sep-2015 21:06:45 |

### Image23.png add(scItem)

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image6.png [N/A](#VvbjKfKGAqAABRvo) |
| End Relationship To Meta Model Element | Image6.png [items](#.jnjKfKGAqAABSA0) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 20:55:53 |
| Last Modified | 03-Sep-2015 21:06:45 |
| From Activation | Image24.png Activation |
| To Activation | Image24.png Activation |
| Type | Message |
| Sequence Number | 1.3 |
| Asynchronous | false |

### Image6.png items : List<ShoppingCartItem>

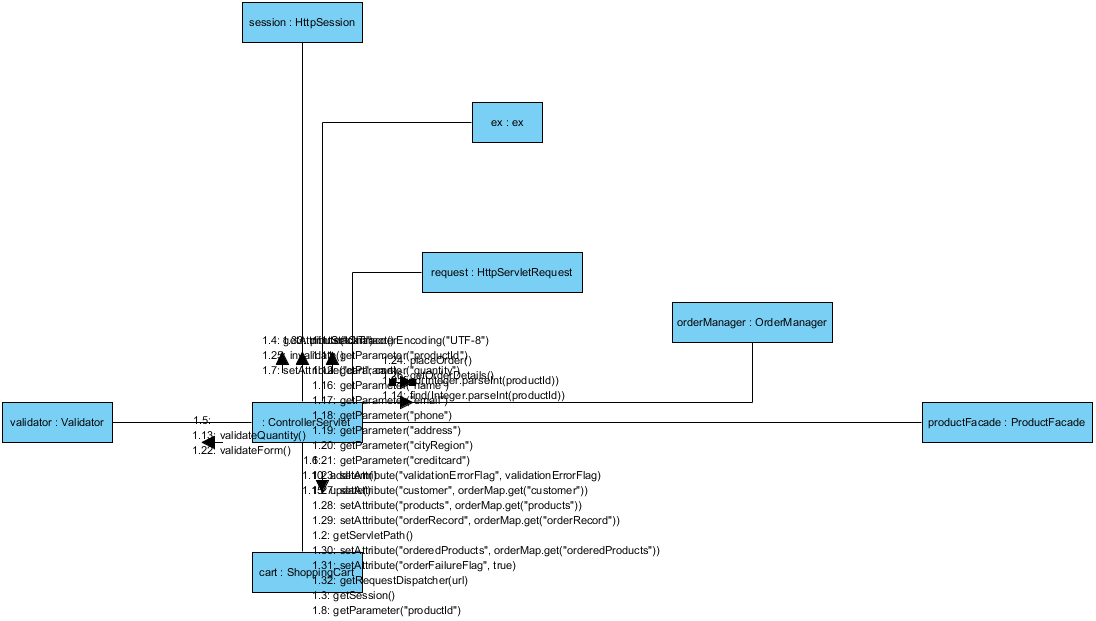
|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 20:55:53 |
| Last Modified | 03-Sep-2015 21:06:45 |
| Multiplicity | Unspecified |
| Base Classifier | List<ShoppingCartItem> |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#VvbjKfKGAqAABRvo) | | Author | Zaic | | Create Date Time | 03-Sep-2015 21:06:33 | | Last Modified | 03-Sep-2015 21:06:45 | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 21:06:33 |
| Last Modified | 03-Sep-2015 21:06:45 |

Communication Diagram

# controller.ControllerServlet.doPost(HttpServletRequest, HttpServletResponse) - Communications



|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 00:07:04 |
| Last Modified | 04-Sep-2015 00:07:23 |
| Request Validate Snap To Grid | false |
| Name | controller.ControllerServlet.doPost(HttpServletRequest, HttpServletResponse) - Communications |

## Summary

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image21.png [: ControllerServlet](#biVuqfKGAqAABQoC) |  |
| Image22.png [setCharacterEncoding("UTF-8")](#niVuqfKGAqAABQov) |  |
| Image21.png [request : HttpServletRequest](#7iVuqfKGAqAABQoE) |  |
| Image22.png [getServletPath()](#XiVuqfKGAqAABQox) |  |
| Image22.png [getSession()](#XiVuqfKGAqAABQoz) |  |
| Image22.png [getAttribute("cart")](#3iVuqfKGAqAABQpS) |  |
| Image21.png [session : HttpSession](#7iVuqfKGAqAABQoG) |  |
| Image21.png [validator : Validator](#7iVuqfKGAqAABQoI) |  |
| Image21.png [cart : ShoppingCart](#7iVuqfKGAqAABQoK) |  |
| Image22.png [setAttribute("cart", cart)](#fiVuqfKGAqAABQqS) |  |
| Image22.png [getParameter("productId")](#_iVuqfKGAqAABQqU) |  |
| Image22.png [find(Integer.parseInt(productId))](#_iVuqfKGAqAABQqz) |  |
| Image21.png [productFacade : ProductFacade](#HiVuqfKGAqAABQoM) |  |
| Image22.png [getParameter("productId")](#ASVuqfKGAqAABQq3) |  |
| Image22.png [getParameter("quantity")](#ASVuqfKGAqAABQq5) |  |
| Image22.png [find(Integer.parseInt(productId))](#gSVuqfKGAqAABQq9) |  |
| Image22.png [getParameter("name")](#gSVuqfKGAqAABQrB) |  |
| Image22.png [getParameter("email")](#QSVuqfKGAqAABQrD) |  |
| Image22.png [getParameter("phone")](#QSVuqfKGAqAABQrF) |  |
| Image22.png [getParameter("address")](#QSVuqfKGAqAABQrH) |  |
| Image22.png [getParameter("cityRegion")](#QSVuqfKGAqAABQrJ) |  |
| Image22.png [getParameter("creditcard")](#wSVuqfKGAqAABQrL) |  |
| Image22.png [setAttribute("validationErrorFlag", validationErrorFlag)](#wSVuqfKGAqAABQrP) |  |
| Image21.png [orderManager : OrderManager](#HiVuqfKGAqAABQoO) |  |
| Image22.png [invalidate()](#oSVuqfKGAqAABQrw) |  |
| Image22.png [setAttribute("customer", orderMap.get("customer"))](#oSVuqfKGAqAABQr0) |  |
| Image22.png [setAttribute("products", orderMap.get("products"))](#oSVuqfKGAqAABQr2) |  |
| Image22.png [setAttribute("orderRecord", orderMap.get("orderRecord"))](#YSVuqfKGAqAABQr4) |  |
| Image22.png [setAttribute("orderedProducts", orderMap.get("orderedProducts"))](#YSVuqfKGAqAABQr6) |  |
| Image22.png [setAttribute("orderFailureFlag", true)](#YSVuqfKGAqAABQr8) |  |
| Image22.png [getRequestDispatcher(url)](#4SVuqfKGAqAABQr.) |  |
| Image22.png [printStackTrace()](#ESVuqfKGAqAABQsd) |  |
| Image21.png [ex : ex](#HiVuqfKGAqAABQoQ) |  |

## Details

### Image6.png  : ControllerServlet

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:24 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png [ControllerServlet](#h6l7KfKGAqAABUN9) |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [request](#2tVyqfKGAqAABbM.) | | Author | Zaic | | Create Date Time | 04-Sep-2015 00:07:04 | | Last Modified | 04-Sep-2015 00:07:04 | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 00:07:04 |
| Last Modified | 04-Sep-2015 00:07:04 |

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [session](#uzVyqfKGAqAABbT.) | | Author | Zaic | | Create Date Time | 04-Sep-2015 00:07:04 | | Last Modified | 04-Sep-2015 00:07:04 | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 00:07:04 |
| Last Modified | 04-Sep-2015 00:07:04 |

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [validator](#eLVyqfKGAqAABbft) | | Author | Zaic | | Create Date Time | 04-Sep-2015 00:07:04 | | Last Modified | 04-Sep-2015 00:07:04 | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 00:07:04 |
| Last Modified | 04-Sep-2015 00:07:04 |

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [cart](#1HVyqfKGAqAABbqw) | | Author | Zaic | | Create Date Time | 04-Sep-2015 00:07:04 | | Last Modified | 04-Sep-2015 00:07:04 | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 00:07:04 |
| Last Modified | 04-Sep-2015 00:07:04 |

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [productFacade](#w_VyqfKGAqAABb6g) | | Author | Zaic | | Create Date Time | 04-Sep-2015 00:07:04 | | Last Modified | 04-Sep-2015 00:07:04 | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 00:07:04 |
| Last Modified | 04-Sep-2015 00:07:04 |

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [orderManager](#OF1yqfKGAqAABctt) | | Author | Zaic | | Create Date Time | 04-Sep-2015 00:07:04 | | Last Modified | 04-Sep-2015 00:07:04 | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 00:07:04 |
| Last Modified | 04-Sep-2015 00:07:04 |

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [ex](#iUNyqfKGAqAABdcD) | | Author | Zaic | | Create Date Time | 04-Sep-2015 00:07:04 | | Last Modified | 04-Sep-2015 00:07:04 | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 00:07:04 |
| Last Modified | 04-Sep-2015 00:07:04 |

### Image23.png setCharacterEncoding("UTF-8")

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) |
| End Relationship To Meta Model Element | Image6.png [request](#2tVyqfKGAqAABbM.) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:25 |
| Last Modified | 04-Sep-2015 00:07:04 |
| From Activation | Image24.png Activation |
| To Activation | Image24.png Activation |
| Type | Message |
| Sequence Number | 1.1 |
| Asynchronous | false |

### Image6.png request : HttpServletRequest

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:25 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Multiplicity | Unspecified |
| Base Classifier | HttpServletRequest |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) | | Author | Zaic | | Create Date Time | 04-Sep-2015 00:07:04 | | Last Modified | 04-Sep-2015 00:07:04 | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 00:07:04 |
| Last Modified | 04-Sep-2015 00:07:04 |

### Image23.png getServletPath()

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) |
| End Relationship To Meta Model Element | Image6.png [request](#2tVyqfKGAqAABbM.) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:25 |
| Last Modified | 04-Sep-2015 00:07:04 |
| From Activation | Image24.png Activation |
| To Activation | Image24.png Activation |
| Type | Message |
| Sequence Number | 1.2 |
| Asynchronous | false |

### Image23.png getSession()

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) |
| End Relationship To Meta Model Element | Image6.png [request](#2tVyqfKGAqAABbM.) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:25 |
| Last Modified | 04-Sep-2015 00:07:04 |
| From Activation | Image24.png Activation |
| To Activation | Image24.png Activation |
| Type | Message |
| Sequence Number | 1.3 |
| Asynchronous | false |

### Image23.png getAttribute("cart")

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) |
| End Relationship To Meta Model Element | Image6.png [session](#uzVyqfKGAqAABbT.) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:25 |
| Last Modified | 04-Sep-2015 00:07:04 |
| From Activation | Image24.png Activation |
| To Activation | Image24.png Activation |
| Type | Message |
| Sequence Number | 1.4 |
| Asynchronous | false |

### Image6.png session : HttpSession

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:25 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Multiplicity | Unspecified |
| Base Classifier | HttpSession |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) | | Author | Zaic | | Create Date Time | 04-Sep-2015 00:07:04 | | Last Modified | 04-Sep-2015 00:07:04 | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 00:07:04 |
| Last Modified | 04-Sep-2015 00:07:04 |

### Image23.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) |
| End Relationship To Meta Model Element | Image6.png [validator](#eLVyqfKGAqAABbft) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:25 |
| Last Modified | 04-Sep-2015 00:07:04 |
| From Activation | Image24.png Activation |
| Type | Create Message |
| Sequence Number | 1.5 |
| Asynchronous | false |

### Image6.png validator : Validator

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:25 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png [Validator](#mel7KfKGAqAABVCK) |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) | | Author | Zaic | | Create Date Time | 04-Sep-2015 00:07:04 | | Last Modified | 04-Sep-2015 00:07:04 | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 00:07:04 |
| Last Modified | 04-Sep-2015 00:07:04 |

### Image23.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) |
| End Relationship To Meta Model Element | Image6.png [cart](#1HVyqfKGAqAABbqw) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:25 |
| Last Modified | 04-Sep-2015 00:07:04 |
| From Activation | Image24.png Activation |
| Type | Create Message |
| Sequence Number | 1.6 |
| Asynchronous | false |

### Image6.png cart : ShoppingCart

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:25 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png [ShoppingCart](#ubbjKfKGAqAABRnM) |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) | | Author | Zaic | | Create Date Time | 04-Sep-2015 00:07:04 | | Last Modified | 04-Sep-2015 00:07:04 | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 00:07:04 |
| Last Modified | 04-Sep-2015 00:07:04 |

### Image23.png setAttribute("cart", cart)

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) |
| End Relationship To Meta Model Element | Image6.png [session](#uzVyqfKGAqAABbT.) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:25 |
| Last Modified | 04-Sep-2015 00:07:04 |
| From Activation | Image24.png Activation |
| To Activation | Image24.png Activation |
| Type | Message |
| Sequence Number | 1.7 |
| Asynchronous | false |

### Image23.png getParameter("productId")

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) |
| End Relationship To Meta Model Element | Image6.png [request](#2tVyqfKGAqAABbM.) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:25 |
| Last Modified | 04-Sep-2015 00:07:04 |
| From Activation | Image24.png Activation |
| To Activation | Image24.png Activation |
| Type | Message |
| Sequence Number | 1.8 |
| Asynchronous | false |

### Image23.png find(Integer.parseInt(productId))

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) |
| End Relationship To Meta Model Element | Image6.png [productFacade](#w_VyqfKGAqAABb6g) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:26 |
| Last Modified | 04-Sep-2015 00:07:04 |
| From Activation | Image24.png Activation |
| To Activation | Image24.png Activation |
| Type | Message |
| Sequence Number | 1.9 |
| Asynchronous | false |

### Image6.png productFacade : ProductFacade

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:26 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png [ProductFacade](#sel7KfKGAqAABVBP) |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) | | Author | Zaic | | Create Date Time | 04-Sep-2015 00:07:04 | | Last Modified | 04-Sep-2015 00:07:04 | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 00:07:04 |
| Last Modified | 04-Sep-2015 00:07:04 |

### Image23.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) |
| End Relationship To Meta Model Element | Image6.png [cart](#1HVyqfKGAqAABbqw) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:26 |
| Last Modified | 04-Sep-2015 00:07:04 |
| From Activation | Image24.png Activation |
| To Activation | Image24.png Activation |
| Type | Message |
| Sequence Number | 1.10 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:26 | | Last Modified | 04-Sep-2015 00:07:04 | | Arguments | |  | | --- | | **Value** | | product (Text) | | | Operation | addItem | | Operation Type | Operation | |
| Asynchronous | false |

### Image23.png getParameter("productId")

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) |
| End Relationship To Meta Model Element | Image6.png [request](#2tVyqfKGAqAABbM.) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:26 |
| Last Modified | 04-Sep-2015 00:07:04 |
| From Activation | Image24.png Activation |
| To Activation | Image24.png Activation |
| Type | Message |
| Sequence Number | 1.11 |
| Asynchronous | false |

### Image23.png getParameter("quantity")

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) |
| End Relationship To Meta Model Element | Image6.png [request](#2tVyqfKGAqAABbM.) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:26 |
| Last Modified | 04-Sep-2015 00:07:04 |
| From Activation | Image24.png Activation |
| To Activation | Image24.png Activation |
| Type | Message |
| Sequence Number | 1.12 |
| Asynchronous | false |

### Image23.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) |
| End Relationship To Meta Model Element | Image6.png [validator](#eLVyqfKGAqAABbft) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:26 |
| Last Modified | 04-Sep-2015 00:07:04 |
| From Activation | Image24.png Activation |
| To Activation | Image24.png Activation |
| Type | Message |
| Sequence Number | 1.13 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:26 | | Last Modified | 04-Sep-2015 00:07:04 | | Arguments | |  | | --- | | **Value** | | productId (Text) | | quantity (Text) | | | Operation | validateQuantity | | Operation Type | Operation | |
| Asynchronous | false |

### Image23.png find(Integer.parseInt(productId))

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) |
| End Relationship To Meta Model Element | Image6.png [productFacade](#w_VyqfKGAqAABb6g) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:27 |
| Last Modified | 04-Sep-2015 00:07:04 |
| From Activation | Image24.png Activation |
| To Activation | Image24.png Activation |
| Type | Message |
| Sequence Number | 1.14 |
| Asynchronous | false |

### Image23.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) |
| End Relationship To Meta Model Element | Image6.png [cart](#1HVyqfKGAqAABbqw) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:27 |
| Last Modified | 04-Sep-2015 00:07:04 |
| From Activation | Image24.png Activation |
| To Activation | Image24.png Activation |
| Type | Message |
| Sequence Number | 1.15 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:27 | | Last Modified | 04-Sep-2015 00:07:04 | | Arguments | |  | | --- | | **Value** | | product (Text) | | quantity (Text) | | | Operation | update | | Operation Type | Operation | |
| Asynchronous | false |

### Image23.png getParameter("name")

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) |
| End Relationship To Meta Model Element | Image6.png [request](#2tVyqfKGAqAABbM.) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:27 |
| Last Modified | 04-Sep-2015 00:07:04 |
| From Activation | Image24.png Activation |
| To Activation | Image24.png Activation |
| Type | Message |
| Sequence Number | 1.16 |
| Asynchronous | false |

### Image23.png getParameter("email")

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) |
| End Relationship To Meta Model Element | Image6.png [request](#2tVyqfKGAqAABbM.) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:27 |
| Last Modified | 04-Sep-2015 00:07:04 |
| From Activation | Image24.png Activation |
| To Activation | Image24.png Activation |
| Type | Message |
| Sequence Number | 1.17 |
| Asynchronous | false |

### Image23.png getParameter("phone")

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) |
| End Relationship To Meta Model Element | Image6.png [request](#2tVyqfKGAqAABbM.) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:27 |
| Last Modified | 04-Sep-2015 00:07:04 |
| From Activation | Image24.png Activation |
| To Activation | Image24.png Activation |
| Type | Message |
| Sequence Number | 1.18 |
| Asynchronous | false |

### Image23.png getParameter("address")

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) |
| End Relationship To Meta Model Element | Image6.png [request](#2tVyqfKGAqAABbM.) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:27 |
| Last Modified | 04-Sep-2015 00:07:04 |
| From Activation | Image24.png Activation |
| To Activation | Image24.png Activation |
| Type | Message |
| Sequence Number | 1.19 |
| Asynchronous | false |

### Image23.png getParameter("cityRegion")

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) |
| End Relationship To Meta Model Element | Image6.png [request](#2tVyqfKGAqAABbM.) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:28 |
| Last Modified | 04-Sep-2015 00:07:04 |
| From Activation | Image24.png Activation |
| To Activation | Image24.png Activation |
| Type | Message |
| Sequence Number | 1.20 |
| Asynchronous | false |

### Image23.png getParameter("creditcard")

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) |
| End Relationship To Meta Model Element | Image6.png [request](#2tVyqfKGAqAABbM.) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:28 |
| Last Modified | 04-Sep-2015 00:07:04 |
| From Activation | Image24.png Activation |
| To Activation | Image24.png Activation |
| Type | Message |
| Sequence Number | 1.21 |
| Asynchronous | false |

### Image23.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) |
| End Relationship To Meta Model Element | Image6.png [validator](#eLVyqfKGAqAABbft) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:28 |
| Last Modified | 04-Sep-2015 00:07:04 |
| From Activation | Image24.png Activation |
| To Activation | Image24.png Activation |
| Type | Message |
| Sequence Number | 1.22 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:28 | | Last Modified | 04-Sep-2015 00:07:04 | | Arguments | |  | | --- | | **Value** | | name (Text) | | email (Text) | | phone (Text) | | address (Text) | | cityRegion (Text) | | ccNumber (Text) | | request (Text) | | | Operation | validateForm | | Operation Type | Operation | |
| Asynchronous | false |

### Image23.png setAttribute("validationErrorFlag", validationErrorFlag)

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) |
| End Relationship To Meta Model Element | Image6.png [request](#2tVyqfKGAqAABbM.) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:28 |
| Last Modified | 04-Sep-2015 00:07:04 |
| From Activation | Image24.png Activation |
| To Activation | Image24.png Activation |
| Type | Message |
| Sequence Number | 1.23 |
| Asynchronous | false |

### Image23.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) |
| End Relationship To Meta Model Element | Image6.png [orderManager](#OF1yqfKGAqAABctt) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:28 |
| Last Modified | 04-Sep-2015 00:07:04 |
| From Activation | Image24.png Activation |
| To Activation | Image24.png Activation |
| Type | Message |
| Sequence Number | 1.24 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:28 | | Last Modified | 04-Sep-2015 00:07:04 | | Arguments | |  | | --- | | **Value** | | name (Text) | | email (Text) | | phone (Text) | | address (Text) | | cityRegion (Text) | | ccNumber (Text) | | cart (Text) | | | Operation | placeOrder | | Operation Type | Operation | |
| Asynchronous | false |

### Image6.png orderManager : OrderManager

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:28 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png [OrderManager](#7ul7KfKGAqAABU8Z) |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) | | Author | Zaic | | Create Date Time | 04-Sep-2015 00:07:04 | | Last Modified | 04-Sep-2015 00:07:04 | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 00:07:04 |
| Last Modified | 04-Sep-2015 00:07:04 |

### Image23.png invalidate()

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) |
| End Relationship To Meta Model Element | Image6.png [session](#uzVyqfKGAqAABbT.) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:29 |
| Last Modified | 04-Sep-2015 00:07:04 |
| From Activation | Image24.png Activation |
| To Activation | Image24.png Activation |
| Type | Message |
| Sequence Number | 1.25 |
| Asynchronous | false |

### Image23.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) |
| End Relationship To Meta Model Element | Image6.png [orderManager](#OF1yqfKGAqAABctt) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:29 |
| Last Modified | 04-Sep-2015 00:07:04 |
| From Activation | Image24.png Activation |
| To Activation | Image24.png Activation |
| Type | Message |
| Sequence Number | 1.26 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | 03-Sep-2015 23:23:29 | | Last Modified | 04-Sep-2015 00:07:04 | | Arguments | |  | | --- | | **Value** | | orderId (Text) | | | Operation | getOrderDetails | | Operation Type | Operation | |
| Asynchronous | false |

### Image23.png setAttribute("customer", orderMap.get("customer"))

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) |
| End Relationship To Meta Model Element | Image6.png [request](#2tVyqfKGAqAABbM.) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:29 |
| Last Modified | 04-Sep-2015 00:07:04 |
| From Activation | Image24.png Activation |
| To Activation | Image24.png Activation |
| Type | Message |
| Sequence Number | 1.27 |
| Asynchronous | false |

### Image23.png setAttribute("products", orderMap.get("products"))

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) |
| End Relationship To Meta Model Element | Image6.png [request](#2tVyqfKGAqAABbM.) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:29 |
| Last Modified | 04-Sep-2015 00:07:04 |
| From Activation | Image24.png Activation |
| To Activation | Image24.png Activation |
| Type | Message |
| Sequence Number | 1.28 |
| Asynchronous | false |

### Image23.png setAttribute("orderRecord", orderMap.get("orderRecord"))

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) |
| End Relationship To Meta Model Element | Image6.png [request](#2tVyqfKGAqAABbM.) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:29 |
| Last Modified | 04-Sep-2015 00:07:04 |
| From Activation | Image24.png Activation |
| To Activation | Image24.png Activation |
| Type | Message |
| Sequence Number | 1.29 |
| Asynchronous | false |

### Image23.png setAttribute("orderedProducts", orderMap.get("orderedProducts"))

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) |
| End Relationship To Meta Model Element | Image6.png [request](#2tVyqfKGAqAABbM.) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:30 |
| Last Modified | 04-Sep-2015 00:07:04 |
| From Activation | Image24.png Activation |
| To Activation | Image24.png Activation |
| Type | Message |
| Sequence Number | 1.30 |
| Asynchronous | false |

### Image23.png setAttribute("orderFailureFlag", true)

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) |
| End Relationship To Meta Model Element | Image6.png [request](#2tVyqfKGAqAABbM.) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:30 |
| Last Modified | 04-Sep-2015 00:07:04 |
| From Activation | Image24.png Activation |
| To Activation | Image24.png Activation |
| Type | Message |
| Sequence Number | 1.31 |
| Asynchronous | false |

### Image23.png getRequestDispatcher(url)

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) |
| End Relationship To Meta Model Element | Image6.png [request](#2tVyqfKGAqAABbM.) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:30 |
| Last Modified | 04-Sep-2015 00:07:04 |
| From Activation | Image24.png Activation |
| To Activation | Image24.png Activation |
| Type | Message |
| Sequence Number | 1.32 |
| Asynchronous | false |

### Image23.png printStackTrace()

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) |
| End Relationship To Meta Model Element | Image6.png [ex](#iUNyqfKGAqAABdcD) |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:31 |
| Last Modified | 04-Sep-2015 00:07:04 |
| From Activation | Image24.png Activation |
| To Activation | Image24.png Activation |
| Type | Message |
| Sequence Number | 1.33 |
| Asynchronous | false |

### Image6.png ex : ex

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | 03-Sep-2015 23:23:30 |
| Last Modified | 04-Sep-2015 00:07:04 |
| Multiplicity | Unspecified |
| Base Classifier | ex |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image6.png [N/A](#4NVyqfKGAqAABbKq) | | Author | Zaic | | Create Date Time | 04-Sep-2015 00:07:04 | | Last Modified | 04-Sep-2015 00:07:04 | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | 04-Sep-2015 00:07:04 |
| Last Modified | 04-Sep-2015 00:07:04 |