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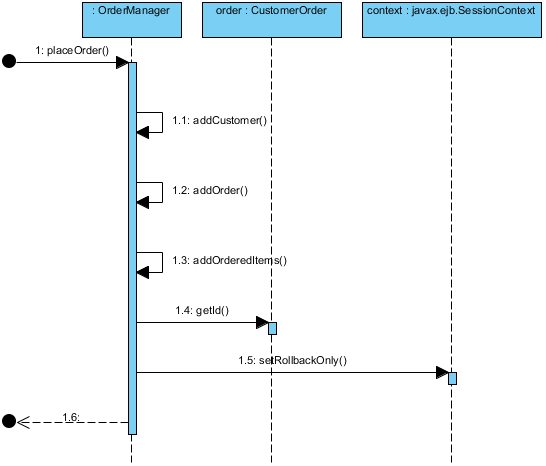
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[cart.ShoppingCart.addItem(Product)](#WEHc3fKGAqAABa_f)

[cart.ShoppingCart.update(Product, String)huy](#MWu83fKGAqAABdab)

Sequence Diagram

# cart.ShoppingCart.ShoppingCart()



## Details

### Image1.png  : OrderManager

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:03:27 AM |
| Last Modified | Sep 11, 2015 8:06:36 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png OrderManager |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:03:29 AM | | Last Modified | Sep 11, 2015 8:06:36 AM | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:03:29 AM |
| Last Modified | Sep 11, 2015 8:06:36 AM |
| Type | Message |
| Sequence Number | 1.6 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:03:29 AM | | Last Modified | Sep 11, 2015 8:06:36 AM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png order | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:03:28 AM | | Last Modified | Sep 11, 2015 8:06:36 AM | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:03:28 AM |
| Last Modified | Sep 11, 2015 8:06:36 AM |
| Type | Message |
| Sequence Number | 1.4 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:03:28 AM | | Last Modified | Sep 11, 2015 8:06:36 AM | | Operation | id | | Operation Type | Attribute Getter | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:03:28 AM | | Last Modified | Sep 11, 2015 8:06:36 AM | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:03:28 AM |
| Last Modified | Sep 11, 2015 8:06:36 AM |
| Type | Self Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:03:28 AM | | Last Modified | Sep 11, 2015 8:06:36 AM | | Arguments | |  | | --- | | **Value** | | name (Text) | | email (Text) | | phone (Text) | | address (Text) | | cityRegion (Text) | | ccNumber (Text) | | | Operation | addCustomer | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:03:28 AM | | Last Modified | Sep 11, 2015 8:06:36 AM | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:03:28 AM |
| Last Modified | Sep 11, 2015 8:06:36 AM |
| Type | Self Message |
| Sequence Number | 1.2 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:03:28 AM | | Last Modified | Sep 11, 2015 8:06:36 AM | | Arguments | |  | | --- | | **Value** | | customer (Text) | | cart (Text) | | | Operation | addOrder | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:03:28 AM | | Last Modified | Sep 11, 2015 8:06:36 AM | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:03:28 AM |
| Last Modified | Sep 11, 2015 8:06:36 AM |
| Type | Self Message |
| Sequence Number | 1.3 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:03:28 AM | | Last Modified | Sep 11, 2015 8:06:36 AM | | Arguments | |  | | --- | | **Value** | | order (Text) | | cart (Text) | | | Operation | addOrderedItems | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setRollbackOnly() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png context | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:03:28 AM | | Last Modified | Sep 11, 2015 8:06:36 AM | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:03:28 AM |
| Last Modified | Sep 11, 2015 8:06:36 AM |
| Type | Message |
| Sequence Number | 1.5 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:03:27 AM | | Last Modified | Sep 11, 2015 8:06:36 AM | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:03:27 AM |
| Last Modified | Sep 11, 2015 8:06:36 AM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:03:27 AM | | Last Modified | Sep 11, 2015 8:06:36 AM | | Operation | placeOrder | | Operation Type | Operation | |
| Asynchronous | false |

### Image1.png order : CustomerOrder

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:03:28 AM |
| Last Modified | Sep 11, 2015 8:06:36 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png CustomerOrder |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:03:28 AM | | Last Modified | Sep 11, 2015 8:06:36 AM | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:03:28 AM |
| Last Modified | Sep 11, 2015 8:06:36 AM |
| Type | Message |
| Sequence Number | 1.4 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:03:28 AM | | Last Modified | Sep 11, 2015 8:06:36 AM | | Operation | id | | Operation Type | Attribute Getter | |
| Asynchronous | false |

### Image1.png context : javax.ejb.SessionContext

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:03:28 AM |
| Last Modified | Sep 11, 2015 8:06:36 AM |
| Multiplicity | Unspecified |
| Base Classifier | javax.ejb.SessionContext |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **setRollbackOnly() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:03:28 AM | | Last Modified | Sep 11, 2015 8:06:36 AM | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:03:28 AM |
| Last Modified | Sep 11, 2015 8:06:36 AM |
| Type | Message |
| Sequence Number | 1.5 |
| Asynchronous | false |

Sequence Diagram

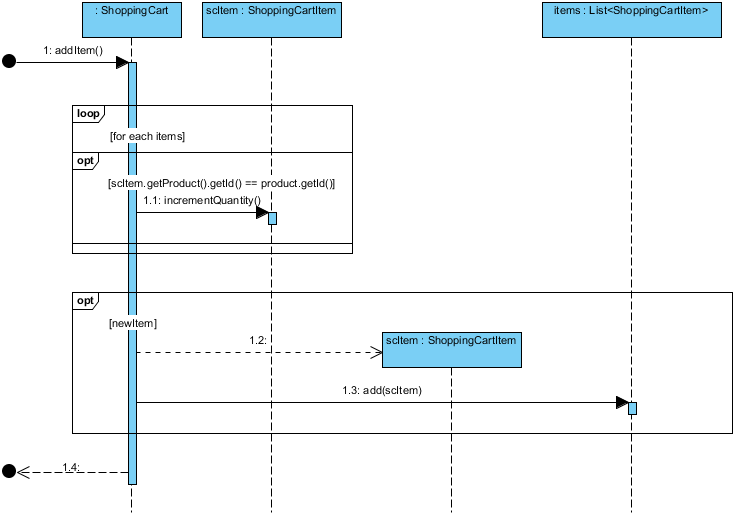
# cart.ShoppingCart.ShoppingCart()

Image3.png

## Details

Sequence Diagram

# cart.ShoppingCart.addItem(Product)



## Details

### Image1.png  : ShoppingCart

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 8:55:42 PM |
| Last Modified | Sep 3, 2015 9:06:45 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCart |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png scItem | | Author | Zaic | | Create Date Time | Sep 3, 2015 8:55:53 PM | | Last Modified | Sep 3, 2015 9:06:45 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 8:55:53 PM |
| Last Modified | Sep 3, 2015 9:06:45 PM |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 8:55:53 PM | | Last Modified | Sep 3, 2015 9:06:45 PM | | Operation | incrementQuantity | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **add(scItem) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png items | | Author | Zaic | | Create Date Time | Sep 3, 2015 8:55:53 PM | | Last Modified | Sep 3, 2015 9:06:45 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 8:55:53 PM |
| Last Modified | Sep 3, 2015 9:06:45 PM |
| Type | Message |
| Sequence Number | 1.3 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 8:55:54 PM | | Last Modified | Sep 3, 2015 8:56:45 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 8:55:54 PM |
| Last Modified | Sep 3, 2015 8:56:45 PM |
| Type | Message |
| Sequence Number | 1.4 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 8:55:54 PM | | Last Modified | Sep 3, 2015 8:56:45 PM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png scItem | | Author | Zaic | | Create Date Time | Sep 3, 2015 8:55:53 PM | | Last Modified | Sep 3, 2015 9:06:45 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 8:55:53 PM |
| Last Modified | Sep 3, 2015 9:06:45 PM |
| Type | Create Message |
| Sequence Number | 1.2 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 8:55:50 PM | | Last Modified | Sep 3, 2015 8:56:45 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 8:55:50 PM |
| Last Modified | Sep 3, 2015 8:56:45 PM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 8:55:50 PM | | Last Modified | Sep 3, 2015 8:56:45 PM | | Operation | addItem | | Operation Type | Operation | |
| Asynchronous | false |

### Image1.png scItem : ShoppingCartItem

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 8:55:53 PM |
| Last Modified | Sep 3, 2015 9:06:45 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCartItem |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 8:55:53 PM | | Last Modified | Sep 3, 2015 9:06:45 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 8:55:53 PM |
| Last Modified | Sep 3, 2015 9:06:45 PM |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 8:55:53 PM | | Last Modified | Sep 3, 2015 9:06:45 PM | | Operation | incrementQuantity | | Operation Type | Operation | |
| Asynchronous | false |

### Image1.png scItem : ShoppingCartItem

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 8:55:53 PM |
| Last Modified | Sep 3, 2015 9:06:45 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCartItem |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 8:55:53 PM | | Last Modified | Sep 3, 2015 9:06:45 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 8:55:53 PM |
| Last Modified | Sep 3, 2015 9:06:45 PM |
| Type | Create Message |
| Sequence Number | 1.2 |
| Asynchronous | false |

### Image1.png items : List<ShoppingCartItem>

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 8:55:53 PM |
| Last Modified | Sep 3, 2015 9:06:45 PM |
| Multiplicity | Unspecified |
| Base Classifier | List<ShoppingCartItem> |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **add(scItem) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 8:55:53 PM | | Last Modified | Sep 3, 2015 9:06:45 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 8:55:53 PM |
| Last Modified | Sep 3, 2015 9:06:45 PM |
| Type | Message |
| Sequence Number | 1.3 |
| Asynchronous | false |

### Image5.png CombinedFragment

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 8:55:52 PM |
| Last Modified | Sep 3, 2015 9:06:45 PM |
| Operator Kind | loop |

#### Interaction Operands

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

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png scItem |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 8:55:52 PM |
| Last Modified | Sep 3, 2015 9:06:45 PM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 8:55:52 PM | | Last Modified | Sep 3, 2015 9:06:45 PM | | Constraint | for each items | |

#### Children

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image5.png CombinedFragment2 |  |

### Image5.png CombinedFragment2

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 8:55:52 PM |
| Last Modified | Sep 3, 2015 8:56:45 PM |
| Operator Kind | opt |

#### Interaction Operands

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

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png scItem |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 8:55:52 PM |
| Last Modified | Sep 3, 2015 9:06:45 PM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 8:55:52 PM | | Last Modified | Sep 3, 2015 9:06:45 PM | | Constraint | scItem.getProduct().getId() == product.getId() | |

### Image5.png CombinedFragment2

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 8:55:53 PM |
| Last Modified | Sep 3, 2015 9:06:45 PM |
| Operator Kind | opt |

#### Interaction Operands

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

#### Covered LifeLines

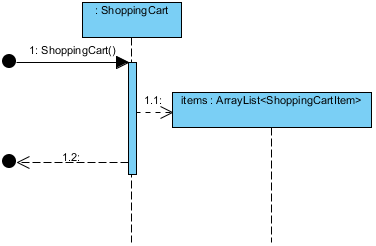
|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png items |  |
| Image1.png scItem |  |
| Image1.png scItem |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 8:55:53 PM |
| Last Modified | Sep 3, 2015 9:06:45 PM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 8:55:53 PM | | Last Modified | Sep 3, 2015 9:06:45 PM | | Constraint | newItem | |

Sequence Diagram

# cart.ShoppingCart.ShoppingCart()



## Details

### Image1.png  : ShoppingCart

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:03:11 PM |
| Last Modified | Sep 3, 2015 11:06:53 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCart |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png items | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:03:11 PM | | Last Modified | Sep 3, 2015 11:06:53 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:03:11 PM |
| Last Modified | Sep 3, 2015 11:06:53 PM |
| Type | Create Message |
| Sequence Number | 1.1 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:03:11 PM | | Last Modified | Sep 3, 2015 11:06:53 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:03:11 PM |
| Last Modified | Sep 3, 2015 11:06:53 PM |
| Type | Message |
| Sequence Number | 1.2 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:03:11 PM | | Last Modified | Sep 3, 2015 11:06:53 PM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:03:11 PM | | Last Modified | Sep 3, 2015 11:06:53 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:03:11 PM |
| Last Modified | Sep 3, 2015 11:06:53 PM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:03:11 PM | | Last Modified | Sep 3, 2015 11:06:53 PM | | Operation | ShoppingCart | | Operation Type | Operation | |
| Asynchronous | false |

### Image1.png items : ArrayList<ShoppingCartItem>

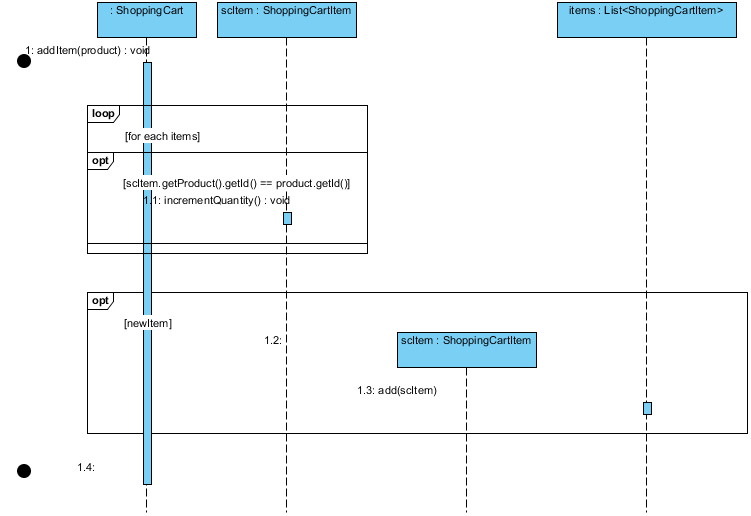
|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:03:11 PM |
| Last Modified | Sep 3, 2015 11:06:53 PM |
| Multiplicity | Unspecified |
| Base Classifier | ArrayList<ShoppingCartItem> |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:03:11 PM | | Last Modified | Sep 3, 2015 11:06:53 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:03:11 PM |
| Last Modified | Sep 3, 2015 11:06:53 PM |
| Type | Create Message |
| Sequence Number | 1.1 |
| Asynchronous | false |

Sequence Diagram

# cart.ShoppingCart.addItem(Product)



## Details

### Image1.png  : ShoppingCart

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:07:58 PM |
| Last Modified | Sep 11, 2015 7:56:35 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCart |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:07:59 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:07:59 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Type | Message |
| Sequence Number | 1.4 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:07:59 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **add(scItem) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png items | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:07:59 PM | | Last Modified | Sep 11, 2015 7:56:35 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:07:59 PM |
| Last Modified | Sep 11, 2015 7:56:35 AM |
| Type | Message |
| Sequence Number | 1.3 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png scItem | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:07:59 PM | | Last Modified | Sep 11, 2015 7:56:35 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:07:59 PM |
| Last Modified | Sep 11, 2015 7:56:35 AM |
| Type | Create Message |
| Sequence Number | 1.2 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png scItem | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:07:58 PM | | Last Modified | Sep 11, 2015 7:56:35 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:07:58 PM |
| Last Modified | Sep 11, 2015 7:56:35 AM |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:07:58 PM | | Last Modified | Sep 11, 2015 7:56:35 AM | | Operation | incrementQuantity | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:07:58 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:07:58 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:07:58 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | | Operation | addItem | | Operation Type | Operation | |
| Asynchronous | false |

### Image1.png scItem : ShoppingCartItem

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:07:58 PM |
| Last Modified | Sep 11, 2015 7:56:35 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCartItem |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:07:58 PM | | Last Modified | Sep 11, 2015 7:56:35 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:07:58 PM |
| Last Modified | Sep 11, 2015 7:56:35 AM |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:07:58 PM | | Last Modified | Sep 11, 2015 7:56:35 AM | | Operation | incrementQuantity | | Operation Type | Operation | |
| Asynchronous | false |

### Image1.png scItem : ShoppingCartItem

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:07:58 PM |
| Last Modified | Sep 11, 2015 7:56:35 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCartItem |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:07:59 PM | | Last Modified | Sep 11, 2015 7:56:35 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:07:59 PM |
| Last Modified | Sep 11, 2015 7:56:35 AM |
| Type | Create Message |
| Sequence Number | 1.2 |
| Asynchronous | false |

### Image1.png items : List<ShoppingCartItem>

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:07:59 PM |
| Last Modified | Sep 11, 2015 7:56:35 AM |
| Multiplicity | Unspecified |
| Base Classifier | List<ShoppingCartItem> |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **add(scItem) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:07:59 PM | | Last Modified | Sep 11, 2015 7:56:35 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:07:59 PM |
| Last Modified | Sep 11, 2015 7:56:35 AM |
| Type | Message |
| Sequence Number | 1.3 |
| Asynchronous | false |

### Image5.png CombinedFragment3

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:07:58 PM |
| Last Modified | Sep 11, 2015 7:56:35 AM |
| Operator Kind | loop |

#### Interaction Operands

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

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png scItem |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:07:58 PM |
| Last Modified | Sep 11, 2015 7:56:35 AM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:07:58 PM | | Last Modified | Sep 11, 2015 7:56:35 AM | | Constraint | for each items | |

#### Children

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image5.png CombinedFragment4 |  |

### Image5.png CombinedFragment4

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:07:58 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Operator Kind | opt |

#### Interaction Operands

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

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png scItem |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:07:58 PM |
| Last Modified | Sep 11, 2015 7:56:35 AM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:07:58 PM | | Last Modified | Sep 11, 2015 7:56:35 AM | | Constraint | scItem.getProduct().getId() == product.getId() | |

### Image5.png CombinedFragment4

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:07:58 PM |
| Last Modified | Sep 11, 2015 7:56:35 AM |
| Operator Kind | opt |

#### Interaction Operands

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

#### Covered LifeLines

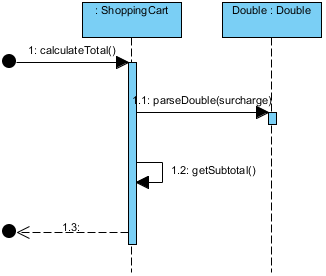
|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png items |  |
| Image1.png scItem |  |
| Image1.png scItem |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:07:58 PM |
| Last Modified | Sep 11, 2015 7:56:35 AM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:07:58 PM | | Last Modified | Sep 11, 2015 7:56:35 AM | | Constraint | newItem | |

Sequence Diagram

# cart.ShoppingCart.calculateTotal(String)



## Details

### Image1.png  : ShoppingCart

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:08:27 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCart |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:08:27 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:08:27 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Type | Self Message |
| Sequence Number | 1.2 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:08:27 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | | Operation | getSubtotal | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:08:28 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:08:28 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Type | Message |
| Sequence Number | 1.3 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:08:28 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **parseDouble(surcharge) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png Double | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:08:27 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:08:27 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Type | Message |
| Sequence Number | 1.1 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:08:27 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:08:27 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:08:27 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | | Operation | calculateTotal | | Operation Type | Operation | |
| Asynchronous | false |

### Image1.png Double : Double

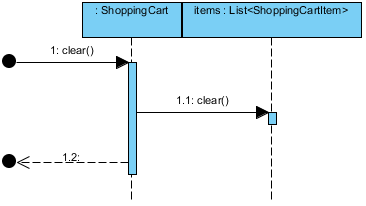
|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:08:27 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Multiplicity | Unspecified |
| Base Classifier | Double |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **parseDouble(surcharge) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:08:27 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:08:27 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Type | Message |
| Sequence Number | 1.1 |
| Asynchronous | false |

Sequence Diagram

# cart.ShoppingCart.clear()



## Details

### Image1.png  : ShoppingCart

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:09:07 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCart |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **clear() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png items | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:09:07 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:09:07 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Type | Message |
| Sequence Number | 1.1 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:09:07 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:09:07 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Type | Message |
| Sequence Number | 1.2 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:09:07 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:09:07 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:09:07 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:09:07 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | | Operation | clear | | Operation Type | Operation | |
| Asynchronous | false |

### Image1.png items : List<ShoppingCartItem>

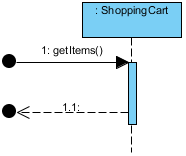
|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:09:07 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Multiplicity | Unspecified |
| Base Classifier | List<ShoppingCartItem> |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **clear() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:09:07 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:09:07 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Type | Message |
| Sequence Number | 1.1 |
| Asynchronous | false |

Sequence Diagram

# cart.ShoppingCart.getItems()



## Details

### Image1.png  : ShoppingCart

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:09:37 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCart |
| Active | false |
| Stopped | false |
| Multi Object | false |

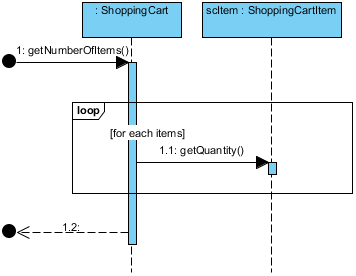
#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:09:37 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:09:37 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:09:37 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:09:37 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:09:37 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:09:37 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | | Operation | items | | Operation Type | Attribute Getter | |
| Asynchronous | false |

Sequence Diagram

# cart.ShoppingCart.getNumberOfItems()



## Details

### Image1.png  : ShoppingCart

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:11:25 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCart |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:11:25 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:11:25 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Type | Message |
| Sequence Number | 1.2 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:11:25 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png scItem | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:11:25 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:11:25 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:11:25 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | | Operation | quantity | | Operation Type | Attribute Getter | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:11:25 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:11:25 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:11:25 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | | Operation | numberOfItems | | Operation Type | Attribute Getter | |
| Asynchronous | false |

### Image1.png scItem : ShoppingCartItem

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:11:25 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCartItem |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:11:25 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:11:25 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:11:25 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | | Operation | quantity | | Operation Type | Attribute Getter | |
| Asynchronous | false |

### Image5.png CombinedFragment5

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:11:25 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Operator Kind | loop |

#### Interaction Operands

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

#### Covered LifeLines

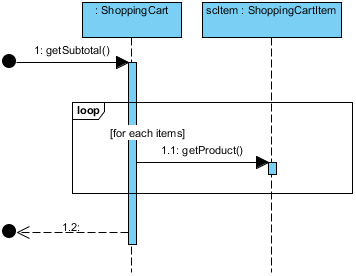
|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png scItem |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:11:25 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:11:25 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | | Constraint | for each items | |

Sequence Diagram

# cart.ShoppingCart.getSubtotal()



## Details

### Image1.png  : ShoppingCart

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:13:14 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCart |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:13:15 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:13:15 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Type | Message |
| Sequence Number | 1.2 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:13:15 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png scItem | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:13:15 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:13:15 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:13:15 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | | Operation | product | | Operation Type | Attribute Getter | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:13:14 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:13:14 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:13:14 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | | Operation | getSubtotal | | Operation Type | Operation | |
| Asynchronous | false |

### Image1.png scItem : ShoppingCartItem

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:13:15 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCartItem |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:13:15 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:13:15 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:13:15 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | | Operation | product | | Operation Type | Attribute Getter | |
| Asynchronous | false |

### Image5.png CombinedFragment6

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:13:14 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Operator Kind | loop |

#### Interaction Operands

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

#### Covered LifeLines

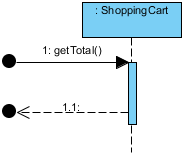
|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png scItem |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:13:14 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:13:14 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | | Constraint | for each items | |

Sequence Diagram

# cart.ShoppingCart.getTotal()



## Details

### Image1.png  : ShoppingCart

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:13:44 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCart |
| Active | false |
| Stopped | false |
| Multi Object | false |

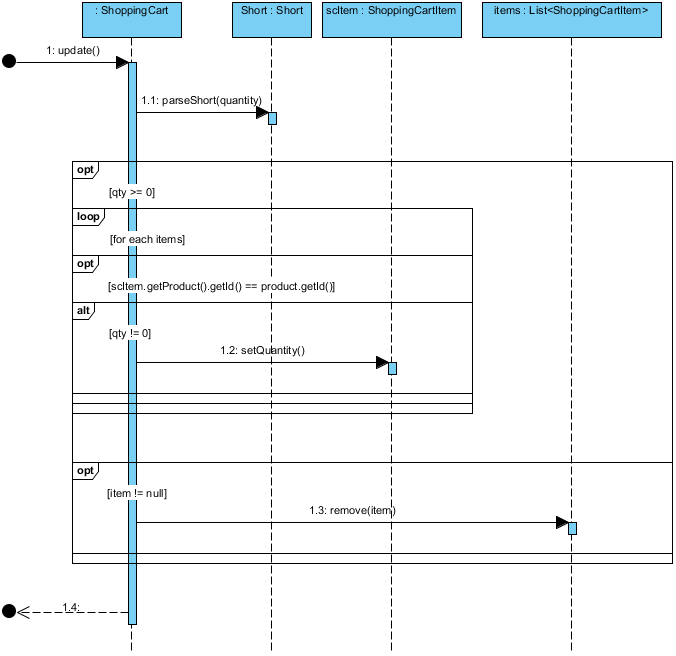
#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:13:44 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:13:44 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:13:44 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:13:44 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:13:44 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:13:44 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | | Operation | total | | Operation Type | Attribute Getter | |
| Asynchronous | false |

Sequence Diagram

# cart.ShoppingCart.update(Product, String)



## Details

### Image1.png  : ShoppingCart

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:14:14 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCart |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png scItem | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:14:15 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:14:15 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Type | Message |
| Sequence Number | 1.2 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:14:15 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | | Arguments | |  | | --- | | **Value** | | qty (Text) | | | Operation | quantity | | Operation Type | Attribute Setter | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **parseShort(quantity) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png Short | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:14:15 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:14:15 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Type | Message |
| Sequence Number | 1.1 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **remove(item) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png items | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:14:15 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:14:15 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Type | Message |
| Sequence Number | 1.3 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:14:15 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:14:15 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Type | Message |
| Sequence Number | 1.4 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:14:15 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:14:14 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:14:14 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:14:14 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | | Operation | update | | Operation Type | Operation | |
| Asynchronous | false |

### Image1.png Short : Short

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:14:14 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Multiplicity | Unspecified |
| Base Classifier | Short |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **parseShort(quantity) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:14:15 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:14:15 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Type | Message |
| Sequence Number | 1.1 |
| Asynchronous | false |

### Image1.png scItem : ShoppingCartItem

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:14:15 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCartItem |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:14:15 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:14:15 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Type | Message |
| Sequence Number | 1.2 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:14:15 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | | Arguments | |  | | --- | | **Value** | | qty (Text) | | | Operation | quantity | | Operation Type | Attribute Setter | |
| Asynchronous | false |

### Image1.png items : List<ShoppingCartItem>

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:14:15 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Multiplicity | Unspecified |
| Base Classifier | List<ShoppingCartItem> |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **remove(item) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:14:15 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:14:15 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Type | Message |
| Sequence Number | 1.3 |
| Asynchronous | false |

### Image5.png CombinedFragment7

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:14:15 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Operator Kind | opt |

#### Interaction Operands

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

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png Short |  |
| Image1.png scItem |  |
| Image1.png items |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:14:15 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:14:15 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | | Constraint | qty >= 0 | |

#### Children

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image5.png CombinedFragment8 |  |
| Image5.png CombinedFragment8 |  |

### Image5.png CombinedFragment8

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:14:15 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Operator Kind | loop |

#### Interaction Operands

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

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png Short |  |
| Image1.png scItem |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:14:15 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:14:15 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | | Constraint | for each items | |

#### Children

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image5.png CombinedFragment9 |  |

### Image5.png CombinedFragment9

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:14:15 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Operator Kind | opt |

#### Interaction Operands

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

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png Short |  |
| Image1.png scItem |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:14:15 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:14:15 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | | Constraint | scItem.getProduct().getId() == product.getId() | |

#### Children

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image5.png CombinedFragment10 |  |

### Image5.png CombinedFragment10

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:14:15 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Operator Kind | alt |

#### Interaction Operands

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

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png scItem |  |
| Image1.png Short |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:14:15 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:14:15 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | | Constraint | qty != 0 | |

### Image5.png CombinedFragment8

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:14:15 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Operator Kind | opt |

#### Interaction Operands

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

#### Covered LifeLines

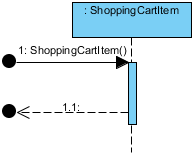
|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png items |  |
| Image1.png Short |  |
| Image1.png scItem |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:14:15 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:14:15 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | | Constraint | item != null | |

Sequence Diagram

# cart.ShoppingCartItem.ShoppingCartItem(Product)



## Details

### Image1.png  : ShoppingCartItem

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:15:14 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCartItem |
| Active | false |
| Stopped | false |
| Multi Object | false |

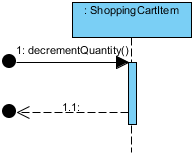
#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:15:14 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:15:14 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:15:14 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:15:14 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:15:14 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:15:14 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | | Operation | ShoppingCartItem | | Operation Type | Operation | |
| Asynchronous | false |

Sequence Diagram

# cart.ShoppingCartItem.decrementQuantity()



## Details

### Image1.png  : ShoppingCartItem

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:15:36 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCartItem |
| Active | false |
| Stopped | false |
| Multi Object | false |

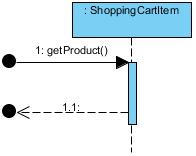
#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:15:36 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:15:36 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:15:36 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:15:36 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:15:36 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:15:36 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | | Operation | decrementQuantity | | Operation Type | Operation | |
| Asynchronous | false |

Sequence Diagram

# cart.ShoppingCartItem.getProduct()



## Details

### Image1.png  : ShoppingCartItem

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:16:02 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCartItem |
| Active | false |
| Stopped | false |
| Multi Object | false |

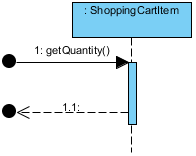
#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:16:02 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:16:02 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:16:02 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:16:02 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:16:02 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:16:02 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | | Operation | product | | Operation Type | Attribute Getter | |
| Asynchronous | false |

Sequence Diagram

# cart.ShoppingCartItem.getQuantity()



## Details

### Image1.png  : ShoppingCartItem

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:16:32 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCartItem |
| Active | false |
| Stopped | false |
| Multi Object | false |

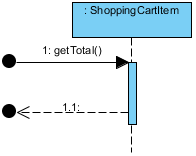
#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:16:33 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:16:33 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:16:33 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:16:32 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:16:32 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:16:32 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | | Operation | quantity | | Operation Type | Attribute Getter | |
| Asynchronous | false |

Sequence Diagram

# cart.ShoppingCartItem.getTotal()



## Details

### Image1.png  : ShoppingCartItem

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:16:52 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCartItem |
| Active | false |
| Stopped | false |
| Multi Object | false |

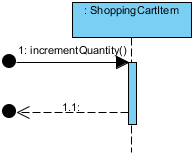
#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:16:52 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:16:52 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:16:52 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:16:52 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:16:52 PM |
| Last Modified | Sep 3, 2015 11:16:54 PM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:16:52 PM | | Last Modified | Sep 3, 2015 11:16:54 PM | | Operation | getTotal | | Operation Type | Operation | |
| Asynchronous | false |

Sequence Diagram

# cart.ShoppingCartItem.incrementQuantity()



## Details

### Image1.png  : ShoppingCartItem

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:17:29 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCartItem |
| Active | false |
| Stopped | false |
| Multi Object | false |

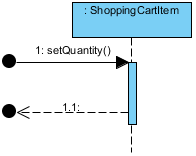
#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:17:29 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:17:29 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:17:29 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:17:29 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:17:29 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:17:29 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | | Operation | incrementQuantity | | Operation Type | Operation | |
| Asynchronous | false |

Sequence Diagram

# cart.ShoppingCartItem.setQuantity(short)



## Details

### Image1.png  : ShoppingCartItem

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:17:54 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCartItem |
| Active | false |
| Stopped | false |
| Multi Object | false |

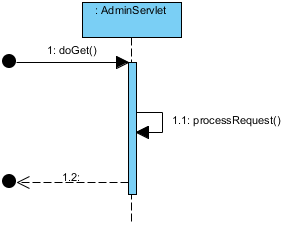
#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:17:54 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:17:54 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:17:54 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:17:54 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:17:54 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:17:54 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | | Operation | quantity | | Operation Type | Attribute Setter | |
| Asynchronous | false |

Sequence Diagram

# controller.AdminServlet.doGet(HttpServletRequest, HttpServletResponse)



## Details

### Image1.png  : AdminServlet

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:19:33 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png AdminServlet |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

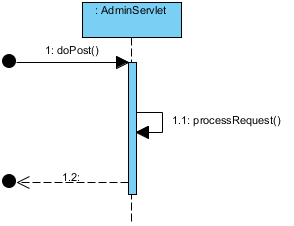
|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:19:34 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:19:34 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.2 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:19:34 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:19:34 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:19:34 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Self Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:19:34 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | | Arguments | |  | | --- | | **Value** | | request (Text) | | response (Text) | | | Operation | processRequest | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:19:33 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:19:33 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:19:33 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | | Operation | doGet | | Operation Type | Operation | |
| Asynchronous | false |

Sequence Diagram

# controller.AdminServlet.doPost(HttpServletRequest, HttpServletResponse)



## Details

### Image1.png  : AdminServlet

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:19:57 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png AdminServlet |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

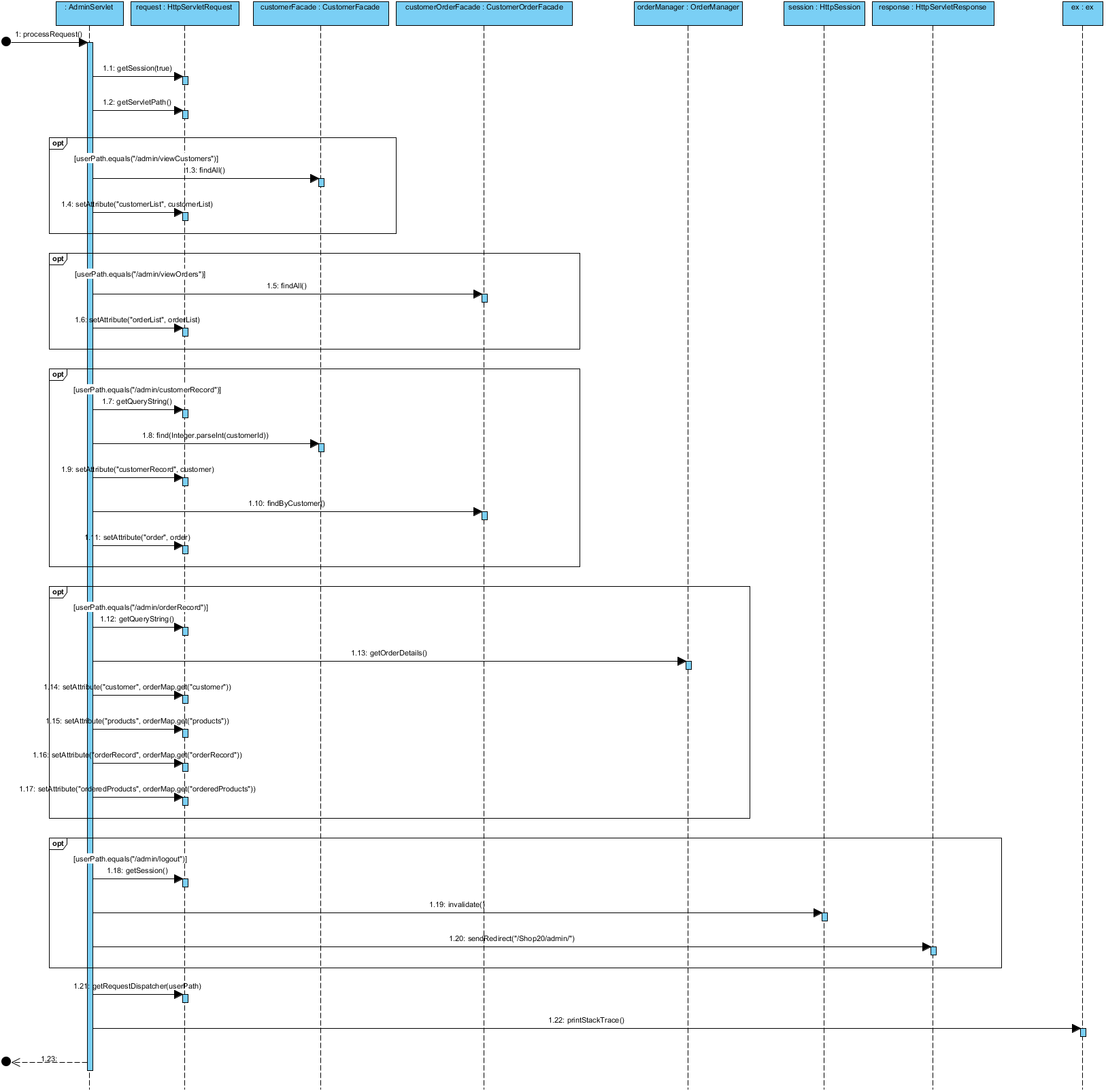
|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:19:57 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:19:57 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.2 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:19:57 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:19:57 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:19:57 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Self Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:19:57 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | | Arguments | |  | | --- | | **Value** | | request (Text) | | response (Text) | | | Operation | processRequest | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:19:57 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:19:57 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:19:57 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | | Operation | doPost | | Operation Type | Operation | |
| Asynchronous | false |

Sequence Diagram

# controller.AdminServlet.processRequest(HttpServletRequest, HttpServletResponse)



## Details

### Image1.png  : AdminServlet

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:20:59 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png AdminServlet |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **getRequestDispatcher(userPath) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:05 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:05 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.21 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **findAll() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png customerOrderFacade | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:00 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:00 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.5 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:06 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:06 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.23 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:06 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **find(Integer.parseInt(customerId)) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png customerFacade | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:01 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:01 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.8 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("customerList", customerList) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:00 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:00 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.4 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **sendRedirect("/Shop20/admin/") : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png response | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:04 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:04 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.20 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("orderList", orderList) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:00 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:00 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.6 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getSession(true) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:20:59 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:20:59 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.1 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("products", orderMap.get("products")) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:03 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:03 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.15 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **invalidate() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png session | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:04 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:04 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.19 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png customerOrderFacade | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:01 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:01 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.10 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:01 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | | Arguments | |  | | --- | | **Value** | | customer (Text) | | | Operation | findByCustomer | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("customer", orderMap.get("customer")) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:02 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:02 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.14 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("customerRecord", customer) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:01 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:01 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.9 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **printStackTrace() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png ex | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:05 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:05 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.22 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getSession() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:04 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:04 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.18 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getQueryString() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:00 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:00 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.7 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("orderedProducts", orderMap.get("orderedProducts")) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:03 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:03 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.17 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("order", order) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:01 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:01 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.11 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png orderManager | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:02 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:02 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.13 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:02 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | | Arguments | |  | | --- | | **Value** | | Integer.parseInt(orderId) (Text) | | | Operation | getOrderDetails | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **findAll() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png customerFacade | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:00 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:00 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.3 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getQueryString() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:02 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:02 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.12 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("orderRecord", orderMap.get("orderRecord")) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:03 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:03 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.16 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getServletPath() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:20:59 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:20:59 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.2 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:20:59 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:20:59 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:20:59 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | | Operation | processRequest | | Operation Type | Operation | |
| Asynchronous | false |

### Image1.png request : HttpServletRequest

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:20:59 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Multiplicity | Unspecified |
| Base Classifier | HttpServletRequest |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **setAttribute("customer", orderMap.get("customer")) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:02 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:02 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.14 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getQueryString() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:02 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:02 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.12 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("products", orderMap.get("products")) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:03 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:03 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.15 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("order", order) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:01 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:01 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.11 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("orderedProducts", orderMap.get("orderedProducts")) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:03 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:03 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.17 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getSession() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:04 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:04 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.18 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getQueryString() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:00 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:00 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.7 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("orderRecord", orderMap.get("orderRecord")) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:03 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:03 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.16 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getSession(true) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:20:59 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:20:59 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.1 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getRequestDispatcher(userPath) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:05 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:05 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.21 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("customerList", customerList) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:00 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:00 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.4 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getServletPath() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:20:59 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:20:59 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.2 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("customerRecord", customer) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:01 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:01 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.9 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("orderList", orderList) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:00 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:00 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.6 |
| Asynchronous | false |

### Image1.png customerFacade : CustomerFacade

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:20:59 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png CustomerFacade |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **find(Integer.parseInt(customerId)) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:01 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:01 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.8 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **findAll() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:00 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:00 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.3 |
| Asynchronous | false |

### Image1.png customerOrderFacade : CustomerOrderFacade

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:00 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png CustomerOrderFacade |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **findAll() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:00 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:00 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.5 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:01 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:01 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.10 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:01 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | | Arguments | |  | | --- | | **Value** | | customer (Text) | | | Operation | findByCustomer | | Operation Type | Operation | |
| Asynchronous | false |

### Image1.png orderManager : OrderManager

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:02 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png OrderManager |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:02 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:02 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.13 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:02 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | | Arguments | |  | | --- | | **Value** | | Integer.parseInt(orderId) (Text) | | | Operation | getOrderDetails | | Operation Type | Operation | |
| Asynchronous | false |

### Image1.png session : HttpSession

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:04 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Multiplicity | Unspecified |
| Base Classifier | HttpSession |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **invalidate() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:04 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:04 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.19 |
| Asynchronous | false |

### Image1.png response : HttpServletResponse

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:04 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Multiplicity | Unspecified |
| Base Classifier | HttpServletResponse |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **sendRedirect("/Shop20/admin/") : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:04 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:04 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.20 |
| Asynchronous | false |

### Image1.png ex : ex

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:05 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Multiplicity | Unspecified |
| Base Classifier | ex |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **printStackTrace() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:05 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:05 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.22 |
| Asynchronous | false |

### Image5.png CombinedFragment8

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:20:59 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Operator Kind | opt |

#### Interaction Operands

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

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png customerFacade |  |
| Image1.png request |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:20:59 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:20:59 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | | Constraint | userPath.equals("/admin/viewCustomers") | |

### Image5.png CombinedFragment9

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:00 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Operator Kind | opt |

#### Interaction Operands

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

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png customerOrderFacade |  |
| Image1.png request |  |
| Image1.png customerFacade |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:00 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:00 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | | Constraint | userPath.equals("/admin/viewOrders") | |

### Image5.png CombinedFragment10

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:00 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Operator Kind | opt |

#### Interaction Operands

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

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png request |  |
| Image1.png customerFacade |  |
| Image1.png customerOrderFacade |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:00 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:00 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | | Constraint | userPath.equals("/admin/customerRecord") | |

### Image5.png CombinedFragment11

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:02 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Operator Kind | opt |

#### Interaction Operands

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

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png request |  |
| Image1.png orderManager |  |
| Image1.png customerFacade |  |
| Image1.png customerOrderFacade |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:02 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:02 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | | Constraint | userPath.equals("/admin/orderRecord") | |

### Image5.png CombinedFragment12

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:04 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Operator Kind | opt |

#### Interaction Operands

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

#### Covered LifeLines

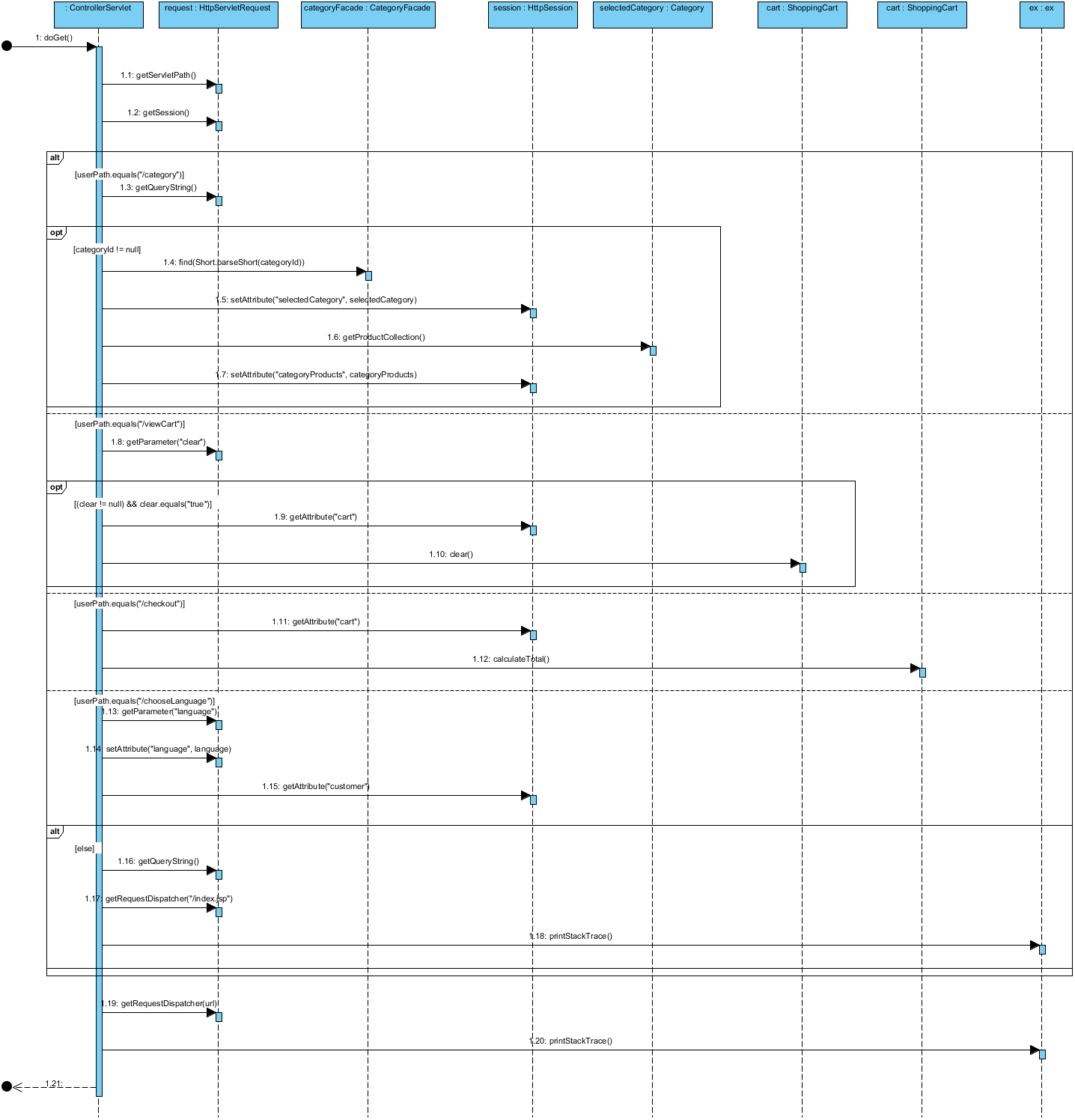
|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png request |  |
| Image1.png session |  |
| Image1.png response |  |
| Image1.png customerFacade |  |
| Image1.png customerOrderFacade |  |
| Image1.png orderManager |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:21:04 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:21:04 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | | Constraint | userPath.equals("/admin/logout") | |

Sequence Diagram

# controller.ControllerServlet.doGet(HttpServletRequest, HttpServletResponse)



## Details

### Image1.png  : ControllerServlet

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:43 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ControllerServlet |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **getQueryString() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:44 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:44 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Type | Message |
| Sequence Number | 1.3 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png selectedCategory | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:44 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:44 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Type | Message |
| Sequence Number | 1.6 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:44 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | | Operation | productCollection | | Operation Type | Attribute Getter | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:48 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:48 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.21 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:48 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getSession() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:44 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:44 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Type | Message |
| Sequence Number | 1.2 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getAttribute("cart") : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png session | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:45 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:45 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Type | Message |
| Sequence Number | 1.9 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **printStackTrace() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png ex | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:47 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:47 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Type | Message |
| Sequence Number | 1.18 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png cart | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:45 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:45 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Type | Message |
| Sequence Number | 1.10 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:45 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | | Operation | clear | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png cart | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:45 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:45 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Type | Message |
| Sequence Number | 1.12 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:45 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | | Arguments | |  | | --- | | **Value** | | surcharge (Text) | | | Operation | calculateTotal | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("language") : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:46 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:46 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Type | Message |
| Sequence Number | 1.13 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("language", language) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:46 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:46 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Type | Message |
| Sequence Number | 1.14 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getRequestDispatcher(url) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:48 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:48 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Type | Message |
| Sequence Number | 1.19 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getQueryString() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:47 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:47 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Type | Message |
| Sequence Number | 1.16 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getRequestDispatcher("/index.jsp") : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:47 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:47 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Type | Message |
| Sequence Number | 1.17 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getAttribute("cart") : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png session | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:45 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:45 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Type | Message |
| Sequence Number | 1.11 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("clear") : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:44 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:44 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Type | Message |
| Sequence Number | 1.8 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("categoryProducts", categoryProducts) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png session | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:44 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:44 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Type | Message |
| Sequence Number | 1.7 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **printStackTrace() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png ex | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:48 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:48 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Type | Message |
| Sequence Number | 1.20 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("selectedCategory", selectedCategory) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png session | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:44 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:44 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Type | Message |
| Sequence Number | 1.5 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getAttribute("customer") : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png session | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:46 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:46 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Type | Message |
| Sequence Number | 1.15 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **find(Short.parseShort(categoryId)) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png categoryFacade | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:44 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:44 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Type | Message |
| Sequence Number | 1.4 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getServletPath() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:43 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:43 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Type | Message |
| Sequence Number | 1.1 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:43 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:43 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:43 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | | Operation | doGet | | Operation Type | Operation | |
| Asynchronous | false |

### Image1.png request : HttpServletRequest

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:43 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Multiplicity | Unspecified |
| Base Classifier | HttpServletRequest |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **setAttribute("language", language) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:46 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:46 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Type | Message |
| Sequence Number | 1.14 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getSession() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:44 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:44 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Type | Message |
| Sequence Number | 1.2 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("clear") : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:44 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:44 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Type | Message |
| Sequence Number | 1.8 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getRequestDispatcher("/index.jsp") : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:47 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:47 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Type | Message |
| Sequence Number | 1.17 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getQueryString() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:47 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:47 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Type | Message |
| Sequence Number | 1.16 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getServletPath() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:43 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:43 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Type | Message |
| Sequence Number | 1.1 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("language") : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:46 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:46 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Type | Message |
| Sequence Number | 1.13 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getRequestDispatcher(url) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:48 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:48 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Type | Message |
| Sequence Number | 1.19 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getQueryString() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:44 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:44 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Type | Message |
| Sequence Number | 1.3 |
| Asynchronous | false |

### Image1.png categoryFacade : CategoryFacade

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:44 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png CategoryFacade |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **find(Short.parseShort(categoryId)) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:44 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:44 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Type | Message |
| Sequence Number | 1.4 |
| Asynchronous | false |

### Image1.png session : HttpSession

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:44 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Multiplicity | Unspecified |
| Base Classifier | HttpSession |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **getAttribute("cart") : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:45 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:45 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Type | Message |
| Sequence Number | 1.9 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getAttribute("customer") : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:46 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:46 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Type | Message |
| Sequence Number | 1.15 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("categoryProducts", categoryProducts) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:44 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:44 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Type | Message |
| Sequence Number | 1.7 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("selectedCategory", selectedCategory) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:44 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:44 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Type | Message |
| Sequence Number | 1.5 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getAttribute("cart") : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:45 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:45 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Type | Message |
| Sequence Number | 1.11 |
| Asynchronous | false |

### Image1.png selectedCategory : Category

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:44 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png Category |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:44 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:44 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Type | Message |
| Sequence Number | 1.6 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:44 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | | Operation | productCollection | | Operation Type | Attribute Getter | |
| Asynchronous | false |

### Image1.png cart : ShoppingCart

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:45 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCart |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:45 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:45 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Type | Message |
| Sequence Number | 1.10 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:45 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | | Operation | clear | | Operation Type | Operation | |
| Asynchronous | false |

### Image1.png cart : ShoppingCart

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:45 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCart |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:45 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:45 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Type | Message |
| Sequence Number | 1.12 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:45 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | | Arguments | |  | | --- | | **Value** | | surcharge (Text) | | | Operation | calculateTotal | | Operation Type | Operation | |
| Asynchronous | false |

### Image1.png ex : ex

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:47 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Multiplicity | Unspecified |
| Base Classifier | ex |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **printStackTrace() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:48 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:48 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Type | Message |
| Sequence Number | 1.20 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **printStackTrace() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:47 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:47 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Type | Message |
| Sequence Number | 1.18 |
| Asynchronous | false |

### Image5.png CombinedFragment13

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:44 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Operator Kind | alt |

#### Interaction Operands

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

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png request |  |
| Image1.png categoryFacade |  |
| Image1.png session |  |
| Image1.png selectedCategory |  |
| Image1.png cart |  |
| Image1.png cart |  |
| Image1.png ex |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:44 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:44 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | | Constraint | userPath.equals("/category") | |

#### Children

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image5.png CombinedFragment14 |  |

### Image5.png CombinedFragment14

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:44 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Operator Kind | opt |

#### Interaction Operands

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

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png categoryFacade |  |
| Image1.png session |  |
| Image1.png selectedCategory |  |
| Image1.png request |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:44 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:44 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | | Constraint | categoryId != null | |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:44 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:44 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | | Constraint | userPath.equals("/viewCart") | |

#### Children

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image5.png CombinedFragment14 |  |

### Image5.png CombinedFragment14

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:45 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Operator Kind | opt |

#### Interaction Operands

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

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png session |  |
| Image1.png cart |  |
| Image1.png request |  |
| Image1.png categoryFacade |  |
| Image1.png selectedCategory |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:45 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:45 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | | Constraint | (clear != null) && clear.equals("true") | |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:45 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:45 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | | Constraint | userPath.equals("/checkout") | |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:46 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:46 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | | Constraint | userPath.equals("/chooseLanguage") | |

#### Children

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image5.png CombinedFragment14 |  |

### Image5.png CombinedFragment14

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:46 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Operator Kind | alt |

#### Interaction Operands

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

#### Covered LifeLines

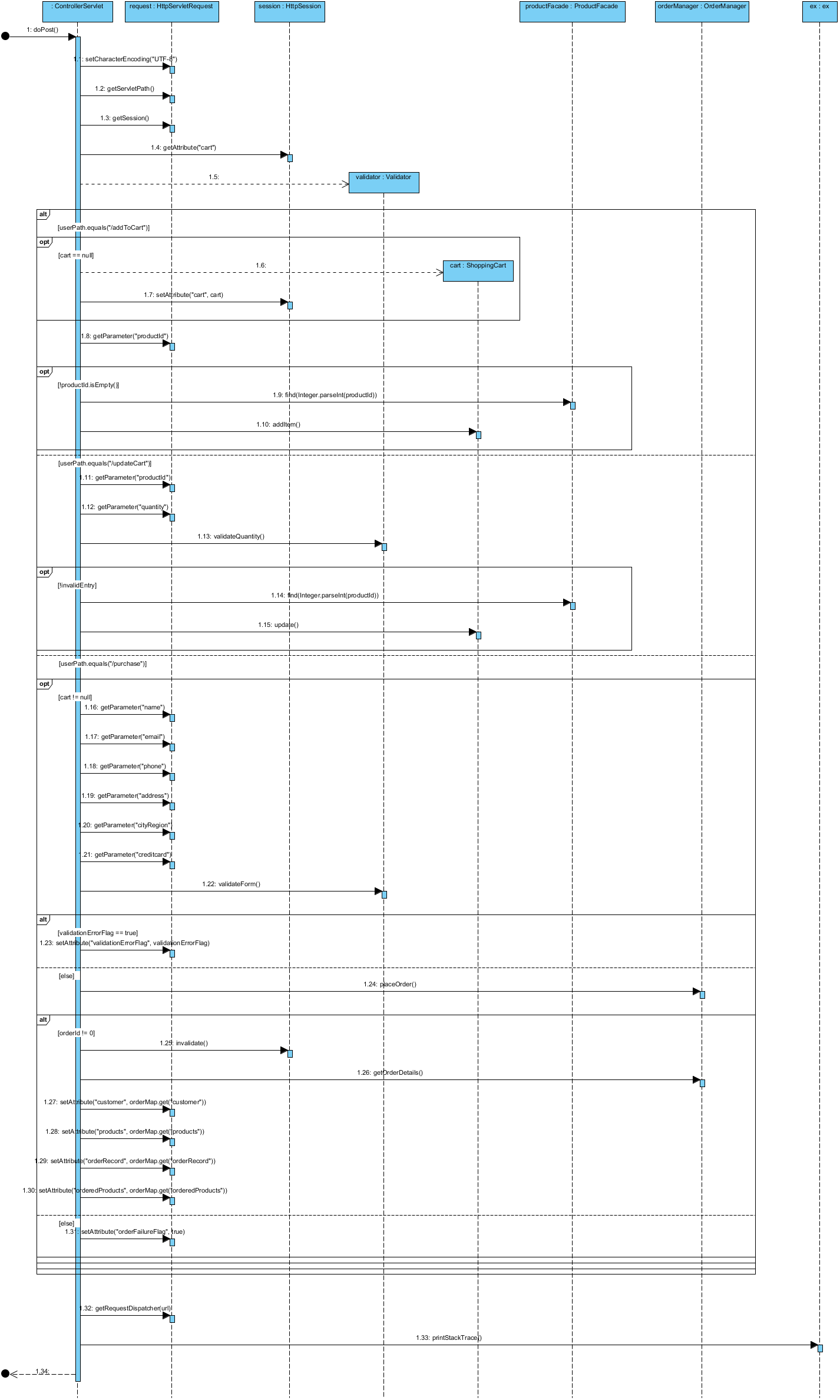
|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png request |  |
| Image1.png ex |  |
| Image1.png categoryFacade |  |
| Image1.png session |  |
| Image1.png selectedCategory |  |
| Image1.png cart |  |
| Image1.png cart |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:47 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:47 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | | Constraint | else | |

Sequence Diagram

# controller.ControllerServlet.doPost(HttpServletRequest, HttpServletResponse)



## Details

### Image1.png  : ControllerServlet

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:24 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ControllerServlet |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png validator | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:28 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:28 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.22 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:28 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Arguments | |  | | --- | | **Value** | | name (Text) | | email (Text) | | phone (Text) | | address (Text) | | cityRegion (Text) | | ccNumber (Text) | | request (Text) | | | Operation | validateForm | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png cart | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:26 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:26 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.10 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:26 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Arguments | |  | | --- | | **Value** | | product (Text) | | | Operation | addItem | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **invalidate() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png session | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:29 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:29 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.25 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png validator | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:26 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:26 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.13 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:26 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Arguments | |  | | --- | | **Value** | | productId (Text) | | quantity (Text) | | | Operation | validateQuantity | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("quantity") : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:26 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:26 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.12 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **find(Integer.parseInt(productId)) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png productFacade | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:27 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:27 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.14 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png orderManager | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:28 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:28 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.24 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:28 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Arguments | |  | | --- | | **Value** | | name (Text) | | email (Text) | | phone (Text) | | address (Text) | | cityRegion (Text) | | ccNumber (Text) | | cart (Text) | | | Operation | placeOrder | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png validator | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:25 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:25 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Create Message |
| Sequence Number | 1.5 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("productId") : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:26 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:26 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.11 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **printStackTrace() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png ex | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:31 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:31 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.33 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png orderManager | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:29 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:29 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.26 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:29 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Arguments | |  | | --- | | **Value** | | orderId (Text) | | | Operation | getOrderDetails | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setCharacterEncoding("UTF-8") : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:25 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:25 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.1 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getAttribute("cart") : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png session | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:25 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:25 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.4 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png cart | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:27 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:27 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.15 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:27 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Arguments | |  | | --- | | **Value** | | product (Text) | | quantity (Text) | | | Operation | update | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("address") : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:27 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:27 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.19 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png cart | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:25 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:25 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Create Message |
| Sequence Number | 1.6 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("cart", cart) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png session | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:25 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:25 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.7 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **find(Integer.parseInt(productId)) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png productFacade | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:26 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:26 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.9 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("products", orderMap.get("products")) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:29 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:29 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.28 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("customer", orderMap.get("customer")) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:29 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:29 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.27 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("creditcard") : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:28 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:28 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.21 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("orderRecord", orderMap.get("orderRecord")) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:29 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:29 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.29 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getRequestDispatcher(url) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:30 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:30 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.32 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("validationErrorFlag", validationErrorFlag) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:28 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:28 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.23 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("phone") : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:27 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:27 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.18 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getSession() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:25 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:25 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.3 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("email") : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:27 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:27 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.17 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("name") : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:27 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:27 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.16 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("productId") : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:25 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:25 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.8 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:31 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:31 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.34 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:31 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("orderFailureFlag", true) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:30 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:30 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.31 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("orderedProducts", orderMap.get("orderedProducts")) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:30 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:30 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.30 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getServletPath() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:25 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:25 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.2 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("cityRegion") : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:28 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:28 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.20 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:24 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:24 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:24 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | | Operation | doPost | | Operation Type | Operation | |
| Asynchronous | false |

### Image1.png request : HttpServletRequest

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:25 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Multiplicity | Unspecified |
| Base Classifier | HttpServletRequest |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **setAttribute("orderedProducts", orderMap.get("orderedProducts")) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:30 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:30 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.30 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getRequestDispatcher(url) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:30 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:30 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.32 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getSession() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:25 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:25 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.3 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("phone") : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:27 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:27 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.18 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("customer", orderMap.get("customer")) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:29 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:29 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.27 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("cityRegion") : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:28 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:28 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.20 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("name") : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:27 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:27 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.16 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("productId") : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:25 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:25 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.8 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("quantity") : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:26 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:26 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.12 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setCharacterEncoding("UTF-8") : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:25 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:25 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.1 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getServletPath() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:25 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:25 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.2 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("productId") : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:26 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:26 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.11 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("validationErrorFlag", validationErrorFlag) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:28 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:28 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.23 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("orderRecord", orderMap.get("orderRecord")) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:29 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:29 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.29 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("products", orderMap.get("products")) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:29 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:29 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.28 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("address") : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:27 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:27 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.19 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("email") : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:27 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:27 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.17 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("orderFailureFlag", true) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:30 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:30 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.31 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getParameter("creditcard") : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:28 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:28 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.21 |
| Asynchronous | false |

### Image1.png session : HttpSession

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:25 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Multiplicity | Unspecified |
| Base Classifier | HttpSession |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **setAttribute("cart", cart) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:25 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:25 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.7 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **invalidate() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:29 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:29 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.25 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getAttribute("cart") : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:25 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:25 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.4 |
| Asynchronous | false |

### Image1.png validator : Validator

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:25 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png Validator |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:28 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:28 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.22 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:28 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Arguments | |  | | --- | | **Value** | | name (Text) | | email (Text) | | phone (Text) | | address (Text) | | cityRegion (Text) | | ccNumber (Text) | | request (Text) | | | Operation | validateForm | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:26 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:26 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.13 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:26 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Arguments | |  | | --- | | **Value** | | productId (Text) | | quantity (Text) | | | Operation | validateQuantity | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:25 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:25 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Create Message |
| Sequence Number | 1.5 |
| Asynchronous | false |

### Image1.png cart : ShoppingCart

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:25 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCart |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:26 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:26 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.10 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:26 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Arguments | |  | | --- | | **Value** | | product (Text) | | | Operation | addItem | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:27 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:27 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.15 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:27 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Arguments | |  | | --- | | **Value** | | product (Text) | | quantity (Text) | | | Operation | update | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:25 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:25 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Create Message |
| Sequence Number | 1.6 |
| Asynchronous | false |

### Image1.png productFacade : ProductFacade

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:26 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ProductFacade |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **find(Integer.parseInt(productId)) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:26 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:26 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.9 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **find(Integer.parseInt(productId)) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:27 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:27 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.14 |
| Asynchronous | false |

### Image1.png orderManager : OrderManager

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:28 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png OrderManager |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:29 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:29 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.26 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:29 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Arguments | |  | | --- | | **Value** | | orderId (Text) | | | Operation | getOrderDetails | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:28 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:28 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.24 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:28 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Arguments | |  | | --- | | **Value** | | name (Text) | | email (Text) | | phone (Text) | | address (Text) | | cityRegion (Text) | | ccNumber (Text) | | cart (Text) | | | Operation | placeOrder | | Operation Type | Operation | |
| Asynchronous | false |

### Image1.png ex : ex

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:30 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Multiplicity | Unspecified |
| Base Classifier | ex |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **printStackTrace() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:31 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:31 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.33 |
| Asynchronous | false |

### Image5.png CombinedFragment14

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:25 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Operator Kind | alt |

#### Interaction Operands

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

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png request |  |
| Image1.png session |  |
| Image1.png validator |  |
| Image1.png cart |  |
| Image1.png productFacade |  |
| Image1.png orderManager |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:25 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:25 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Constraint | userPath.equals("/addToCart") | |

#### Children

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image5.png CombinedFragment15 |  |
| Image5.png CombinedFragment15 |  |

### Image5.png CombinedFragment15

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:25 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Operator Kind | opt |

#### Interaction Operands

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

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png session |  |
| Image1.png request |  |
| Image1.png validator |  |
| Image1.png cart |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:25 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:25 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Constraint | cart == null | |

### Image5.png CombinedFragment15

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:26 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Operator Kind | opt |

#### Interaction Operands

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

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png productFacade |  |
| Image1.png cart |  |
| Image1.png request |  |
| Image1.png session |  |
| Image1.png validator |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:26 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:26 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Constraint | !productId.isEmpty() | |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:26 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:26 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Constraint | userPath.equals("/updateCart") | |

#### Children

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image5.png CombinedFragment15 |  |

### Image5.png CombinedFragment15

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:26 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Operator Kind | opt |

#### Interaction Operands

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

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png productFacade |  |
| Image1.png cart |  |
| Image1.png request |  |
| Image1.png session |  |
| Image1.png validator |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:26 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:26 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Constraint | !invalidEntry | |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:27 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:27 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Constraint | userPath.equals("/purchase") | |

#### Children

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image5.png CombinedFragment15 |  |

### Image5.png CombinedFragment15

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:27 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Operator Kind | opt |

#### Interaction Operands

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

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png request |  |
| Image1.png validator |  |
| Image1.png session |  |
| Image1.png cart |  |
| Image1.png productFacade |  |
| Image1.png orderManager |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:27 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:27 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Constraint | cart != null | |

#### Children

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image5.png CombinedFragment16 |  |

### Image5.png CombinedFragment16

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:28 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Operator Kind | alt |

#### Interaction Operands

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

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png request |  |
| Image1.png orderManager |  |
| Image1.png session |  |
| Image1.png validator |  |
| Image1.png cart |  |
| Image1.png productFacade |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:28 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:28 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Constraint | validationErrorFlag == true | |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:28 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:28 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Constraint | else | |

#### Children

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image5.png CombinedFragment17 |  |

### Image5.png CombinedFragment17

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:29 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Operator Kind | alt |

#### Interaction Operands

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

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png session |  |
| Image1.png orderManager |  |
| Image1.png request |  |
| Image1.png validator |  |
| Image1.png cart |  |
| Image1.png productFacade |  |

### Image6.png Operand

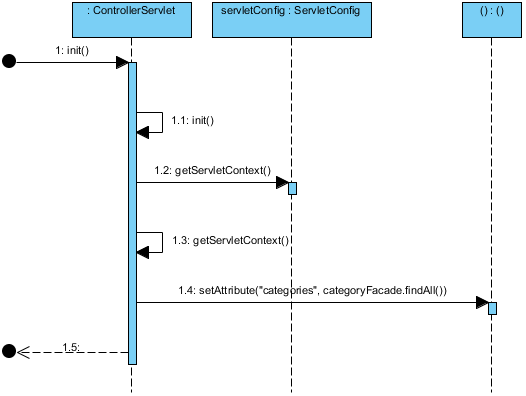
|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:29 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:29 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Constraint | orderId != 0 | |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:30 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:30 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Constraint | else | |

Sequence Diagram

# controller.ControllerServlet.init(ServletConfig)



## Details

### Image1.png  : ControllerServlet

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:58 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ControllerServlet |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:59 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:59 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.5 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:59 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getServletContext() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png servletConfig | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:58 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:58 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.2 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("categories", categoryFacade.findAll()) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png () | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:59 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:59 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.4 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getServletContext() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:58 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:58 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Self Message |
| Sequence Number | 1.3 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:58 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:58 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Self Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:58 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | | Arguments | |  | | --- | | **Value** | | servletConfig (Text) | | | Operation | init | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:58 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:58 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:58 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | | Operation | init | | Operation Type | Operation | |
| Asynchronous | false |

### Image1.png servletConfig : ServletConfig

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:58 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Multiplicity | Unspecified |
| Base Classifier | ServletConfig |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **getServletContext() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:58 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:58 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.2 |
| Asynchronous | false |

### Image1.png () : ()

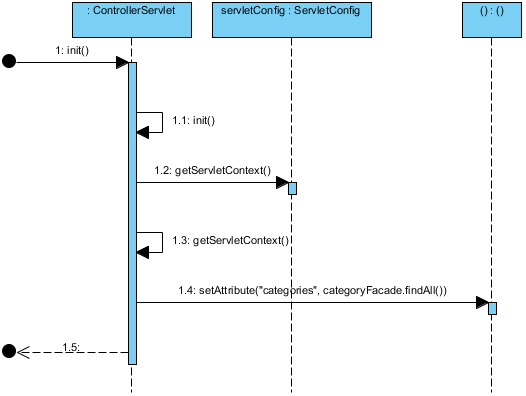
|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:58 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Multiplicity | Unspecified |
| Base Classifier | () |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **setAttribute("categories", categoryFacade.findAll()) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:59 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:59 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.4 |
| Asynchronous | false |

Sequence Diagram

# controller.ControllerServlet.init(ServletConfig)



## Details

### Image1.png  : ControllerServlet

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:25:21 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ControllerServlet |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **setAttribute("categories", categoryFacade.findAll()) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png () | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:25:22 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:25:22 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.4 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:25:22 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:25:22 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Self Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:25:22 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | | Arguments | |  | | --- | | **Value** | | servletConfig (Text) | | | Operation | init | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:25:22 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:25:22 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.5 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:25:22 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getServletContext() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:25:22 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:25:22 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Self Message |
| Sequence Number | 1.3 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getServletContext() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png servletConfig | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:25:22 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:25:22 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.2 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:25:21 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:25:21 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:25:21 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | | Operation | init | | Operation Type | Operation | |
| Asynchronous | false |

### Image1.png servletConfig : ServletConfig

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:25:22 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Multiplicity | Unspecified |
| Base Classifier | ServletConfig |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **getServletContext() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:25:22 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:25:22 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.2 |
| Asynchronous | false |

### Image1.png () : ()

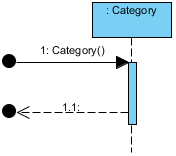
|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:25:22 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Multiplicity | Unspecified |
| Base Classifier | () |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **setAttribute("categories", categoryFacade.findAll()) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:25:22 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:25:22 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.4 |
| Asynchronous | false |

Sequence Diagram

# entity.Category.Category()



## Details

### Image1.png  : Category

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:26:51 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png Category |
| Active | false |
| Stopped | false |
| Multi Object | false |

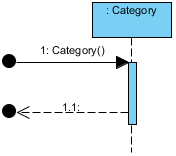
#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:26:51 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:26:51 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:26:51 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:26:51 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:26:51 PM |
| Last Modified | Sep 3, 2015 11:26:56 PM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:26:51 PM | | Last Modified | Sep 3, 2015 11:26:56 PM | | Operation | Category | | Operation Type | Operation | |
| Asynchronous | false |

Sequence Diagram

# entity.Category.Category(Short)



## Details

### Image1.png  : Category

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:27:19 PM |
| Last Modified | Sep 3, 2015 11:36:58 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png Category |
| Active | false |
| Stopped | false |
| Multi Object | false |

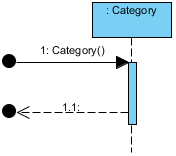
#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:27:19 PM | | Last Modified | Sep 3, 2015 11:36:58 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:27:19 PM |
| Last Modified | Sep 3, 2015 11:36:58 PM |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:27:19 PM | | Last Modified | Sep 3, 2015 11:36:58 PM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:27:19 PM | | Last Modified | Sep 3, 2015 11:36:58 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:27:19 PM |
| Last Modified | Sep 3, 2015 11:36:58 PM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:27:19 PM | | Last Modified | Sep 3, 2015 11:36:58 PM | | Operation | Category | | Operation Type | Operation | |
| Asynchronous | false |

Sequence Diagram

# entity.Category.Category(Short, String)



## Details

### Image1.png  : Category

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:28:46 PM |
| Last Modified | Sep 3, 2015 11:36:58 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png Category |
| Active | false |
| Stopped | false |
| Multi Object | false |

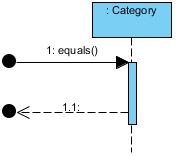
#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:28:46 PM | | Last Modified | Sep 3, 2015 11:36:58 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:28:46 PM |
| Last Modified | Sep 3, 2015 11:36:58 PM |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:28:46 PM | | Last Modified | Sep 3, 2015 11:36:58 PM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:28:46 PM | | Last Modified | Sep 3, 2015 11:36:58 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:28:46 PM |
| Last Modified | Sep 3, 2015 11:36:58 PM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:28:46 PM | | Last Modified | Sep 3, 2015 11:36:58 PM | | Operation | Category | | Operation Type | Operation | |
| Asynchronous | false |

Sequence Diagram

# entity.Category.equals(Object)



## Details

### Image1.png  : Category

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:29:10 PM |
| Last Modified | Sep 3, 2015 11:36:58 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png Category |
| Active | false |
| Stopped | false |
| Multi Object | false |

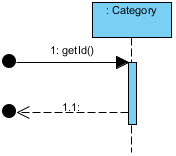
#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:29:10 PM | | Last Modified | Sep 3, 2015 11:36:58 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:29:10 PM |
| Last Modified | Sep 3, 2015 11:36:58 PM |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:29:10 PM | | Last Modified | Sep 3, 2015 11:36:58 PM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:29:10 PM | | Last Modified | Sep 3, 2015 11:36:58 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:29:10 PM |
| Last Modified | Sep 3, 2015 11:36:58 PM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:29:10 PM | | Last Modified | Sep 3, 2015 11:36:58 PM | | Operation | equals | | Operation Type | Operation | |
| Asynchronous | false |

Sequence Diagram

# entity.Category.getId()



## Details

### Image1.png  : Category

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:30:05 PM |
| Last Modified | Sep 3, 2015 11:36:58 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png Category |
| Active | false |
| Stopped | false |
| Multi Object | false |

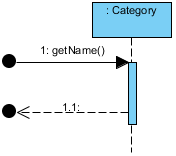
#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:30:06 PM | | Last Modified | Sep 3, 2015 11:36:58 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:30:06 PM |
| Last Modified | Sep 3, 2015 11:36:58 PM |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:30:06 PM | | Last Modified | Sep 3, 2015 11:36:58 PM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:30:05 PM | | Last Modified | Sep 3, 2015 11:36:58 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:30:05 PM |
| Last Modified | Sep 3, 2015 11:36:58 PM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:30:05 PM | | Last Modified | Sep 3, 2015 11:36:58 PM | | Operation | id | | Operation Type | Attribute Getter | |
| Asynchronous | false |

Sequence Diagram

# entity.Category.getName()



## Details

### Image1.png  : Category

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:30:31 PM |
| Last Modified | Sep 3, 2015 11:36:58 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png Category |
| Active | false |
| Stopped | false |
| Multi Object | false |

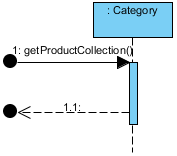
#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:30:32 PM | | Last Modified | Sep 3, 2015 11:36:58 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:30:32 PM |
| Last Modified | Sep 3, 2015 11:36:58 PM |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:30:32 PM | | Last Modified | Sep 3, 2015 11:36:58 PM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:30:31 PM | | Last Modified | Sep 3, 2015 11:36:58 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:30:31 PM |
| Last Modified | Sep 3, 2015 11:36:58 PM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:30:31 PM | | Last Modified | Sep 3, 2015 11:36:58 PM | | Operation | name | | Operation Type | Attribute Getter | |
| Asynchronous | false |

Sequence Diagram

# entity.Category.getProductCollection()



## Details

### Image1.png  : Category

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:34:00 PM |
| Last Modified | Sep 3, 2015 11:36:58 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png Category |
| Active | false |
| Stopped | false |
| Multi Object | false |

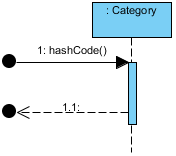
#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:34:00 PM | | Last Modified | Sep 3, 2015 11:36:58 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:34:00 PM |
| Last Modified | Sep 3, 2015 11:36:58 PM |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:34:00 PM | | Last Modified | Sep 3, 2015 11:36:58 PM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:34:00 PM | | Last Modified | Sep 3, 2015 11:36:58 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:34:00 PM |
| Last Modified | Sep 3, 2015 11:36:58 PM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:34:00 PM | | Last Modified | Sep 3, 2015 11:36:58 PM | | Operation | productCollection | | Operation Type | Attribute Getter | |
| Asynchronous | false |

Sequence Diagram

# entity.Category.hashCode()



## Details

### Image1.png  : Category

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:35:00 PM |
| Last Modified | Sep 3, 2015 11:36:58 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png Category |
| Active | false |
| Stopped | false |
| Multi Object | false |

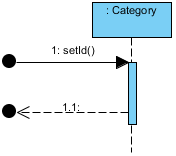
#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:35:00 PM | | Last Modified | Sep 3, 2015 11:36:58 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:35:00 PM |
| Last Modified | Sep 3, 2015 11:36:58 PM |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:35:00 PM | | Last Modified | Sep 3, 2015 11:36:58 PM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:35:00 PM | | Last Modified | Sep 3, 2015 11:36:58 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:35:00 PM |
| Last Modified | Sep 3, 2015 11:36:58 PM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:35:00 PM | | Last Modified | Sep 3, 2015 11:36:58 PM | | Operation | hashCode | | Operation Type | Operation | |
| Asynchronous | false |

Sequence Diagram

# entity.Category.setId(Short)



## Details

### Image1.png  : Category

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:35:33 PM |
| Last Modified | Sep 3, 2015 11:36:58 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png Category |
| Active | false |
| Stopped | false |
| Multi Object | false |

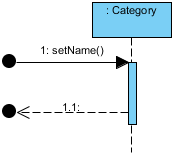
#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:35:34 PM | | Last Modified | Sep 3, 2015 11:36:58 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:35:34 PM |
| Last Modified | Sep 3, 2015 11:36:58 PM |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:35:34 PM | | Last Modified | Sep 3, 2015 11:36:58 PM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:35:33 PM | | Last Modified | Sep 3, 2015 11:36:58 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:35:33 PM |
| Last Modified | Sep 3, 2015 11:36:58 PM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:35:33 PM | | Last Modified | Sep 3, 2015 11:36:58 PM | | Operation | id | | Operation Type | Attribute Setter | |
| Asynchronous | false |

Sequence Diagram

# entity.Category.setName(String)



## Details

### Image1.png  : Category

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:36:07 PM |
| Last Modified | Sep 3, 2015 11:36:58 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png Category |
| Active | false |
| Stopped | false |
| Multi Object | false |

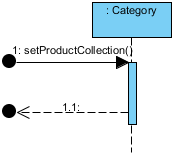
#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:36:07 PM | | Last Modified | Sep 3, 2015 11:36:58 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:36:07 PM |
| Last Modified | Sep 3, 2015 11:36:58 PM |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:36:07 PM | | Last Modified | Sep 3, 2015 11:36:58 PM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:36:07 PM | | Last Modified | Sep 3, 2015 11:36:58 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:36:07 PM |
| Last Modified | Sep 3, 2015 11:36:58 PM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:36:07 PM | | Last Modified | Sep 3, 2015 11:36:58 PM | | Operation | name | | Operation Type | Attribute Setter | |
| Asynchronous | false |

Sequence Diagram

# entity.Category.setProductCollection(Collection<Product>)



## Details

### Image1.png  : Category

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:36:32 PM |
| Last Modified | Sep 3, 2015 11:36:58 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png Category |
| Active | false |
| Stopped | false |
| Multi Object | false |

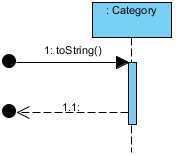
#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:36:33 PM | | Last Modified | Sep 3, 2015 11:36:58 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:36:33 PM |
| Last Modified | Sep 3, 2015 11:36:58 PM |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:36:33 PM | | Last Modified | Sep 3, 2015 11:36:58 PM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:36:33 PM | | Last Modified | Sep 3, 2015 11:36:58 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:36:33 PM |
| Last Modified | Sep 3, 2015 11:36:58 PM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:36:33 PM | | Last Modified | Sep 3, 2015 11:36:58 PM | | Operation | productCollection | | Operation Type | Attribute Setter | |
| Asynchronous | false |

Sequence Diagram

# entity.Category.toString()



## Details

### Image1.png  : Category

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:37:10 PM |
| Last Modified | Sep 3, 2015 11:47:00 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png Category |
| Active | false |
| Stopped | false |
| Multi Object | false |

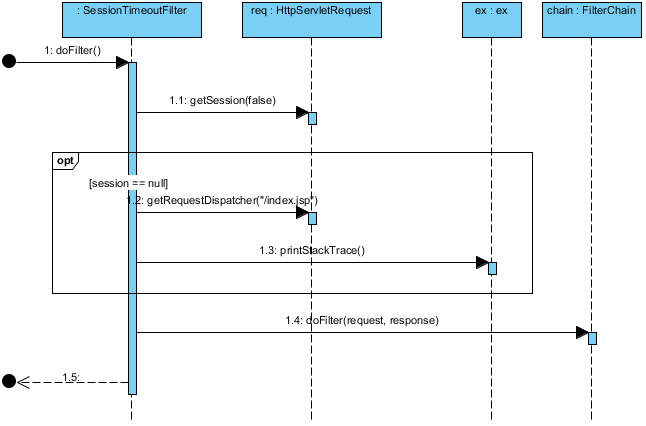
#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:37:11 PM | | Last Modified | Sep 3, 2015 11:47:00 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:37:11 PM |
| Last Modified | Sep 3, 2015 11:47:00 PM |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:37:11 PM | | Last Modified | Sep 3, 2015 11:47:00 PM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:37:10 PM | | Last Modified | Sep 3, 2015 11:47:00 PM | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:37:10 PM |
| Last Modified | Sep 3, 2015 11:47:00 PM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:37:10 PM | | Last Modified | Sep 3, 2015 11:47:00 PM | | Operation | toString | | Operation Type | Operation | |
| Asynchronous | false |

Sequence Diagram

# filter.SessionTimeoutFilter.doFilter(ServletRequest, ServletResponse, FilterChain)



## Details

### Image1.png  : SessionTimeoutFilter

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:01:56 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png SessionTimeoutFilter |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **getRequestDispatcher("/index.jsp") : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png req | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:01:57 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:01:57 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.2 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getSession(false) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png req | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:01:56 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:01:56 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.1 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **printStackTrace() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png ex | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:01:57 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:01:57 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.3 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **doFilter(request, response) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png chain | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:01:57 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:01:57 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.4 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:01:57 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:01:57 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.5 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:01:57 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:01:56 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:01:56 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:01:56 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Operation | doFilter | | Operation Type | Operation | |
| Asynchronous | false |

### Image1.png req : HttpServletRequest

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:01:56 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Multiplicity | Unspecified |
| Base Classifier | HttpServletRequest |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **getRequestDispatcher("/index.jsp") : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:01:57 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:01:57 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.2 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **getSession(false) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:01:56 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:01:56 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.1 |
| Asynchronous | false |

### Image1.png ex : ex

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:01:57 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Multiplicity | Unspecified |
| Base Classifier | ex |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **printStackTrace() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:01:57 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:01:57 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.3 |
| Asynchronous | false |

### Image1.png chain : FilterChain

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:01:57 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Multiplicity | Unspecified |
| Base Classifier | FilterChain |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **doFilter(request, response) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:01:57 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:01:57 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.4 |
| Asynchronous | false |

### Image5.png CombinedFragment15

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:01:56 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Operator Kind | opt |

#### Interaction Operands

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

#### Covered LifeLines

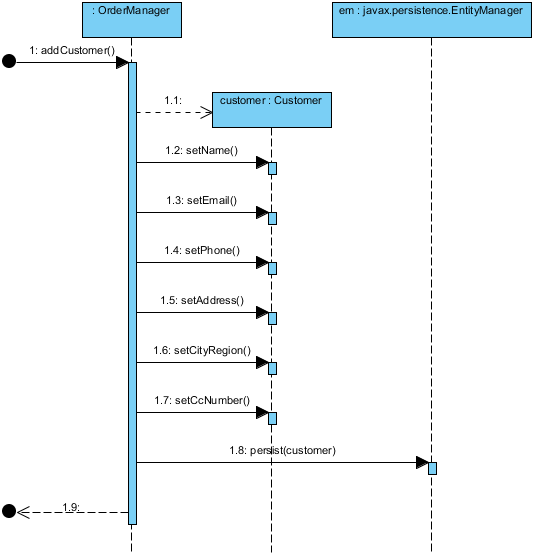
|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png req |  |
| Image1.png ex |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:01:57 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:01:57 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Constraint | session == null | |

Sequence Diagram

# session.OrderManager.addCustomer(String, String, String, String, String, String)



## Details

### Image1.png  : OrderManager

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:02:41 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png OrderManager |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png customer | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:02:42 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:02:42 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.3 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:02:42 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Arguments | |  | | --- | | **Value** | | email (Text) | | | Operation | email | | Operation Type | Attribute Setter | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png customer | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:02:42 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:02:42 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.6 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:02:42 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Arguments | |  | | --- | | **Value** | | cityRegion (Text) | | | Operation | cityRegion | | Operation Type | Attribute Setter | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png customer | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:02:42 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:02:42 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.5 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:02:42 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Arguments | |  | | --- | | **Value** | | address (Text) | | | Operation | address | | Operation Type | Attribute Setter | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png customer | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:02:42 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:02:42 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.4 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:02:42 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Arguments | |  | | --- | | **Value** | | phone (Text) | | | Operation | phone | | Operation Type | Attribute Setter | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png customer | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:02:42 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:02:42 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.2 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:02:42 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Arguments | |  | | --- | | **Value** | | name (Text) | | | Operation | name | | Operation Type | Attribute Setter | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png customer | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:02:42 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:02:42 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Create Message |
| Sequence Number | 1.1 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **persist(customer) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png em | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:02:42 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:02:42 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.8 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:02:43 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:02:43 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.9 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:02:43 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png customer | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:02:42 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:02:42 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.7 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:02:42 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Arguments | |  | | --- | | **Value** | | ccNumber (Text) | | | Operation | ccNumber | | Operation Type | Attribute Setter | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:02:42 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:02:42 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:02:42 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Operation | addCustomer | | Operation Type | Operation | |
| Asynchronous | false |

### Image1.png customer : Customer

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:02:42 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png Customer |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:02:42 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:02:42 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.6 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:02:42 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Arguments | |  | | --- | | **Value** | | cityRegion (Text) | | | Operation | cityRegion | | Operation Type | Attribute Setter | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:02:42 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:02:42 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.5 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:02:42 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Arguments | |  | | --- | | **Value** | | address (Text) | | | Operation | address | | Operation Type | Attribute Setter | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:02:42 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:02:42 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.4 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:02:42 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Arguments | |  | | --- | | **Value** | | phone (Text) | | | Operation | phone | | Operation Type | Attribute Setter | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:02:42 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:02:42 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.3 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:02:42 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Arguments | |  | | --- | | **Value** | | email (Text) | | | Operation | email | | Operation Type | Attribute Setter | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:02:42 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:02:42 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Create Message |
| Sequence Number | 1.1 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:02:42 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:02:42 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.7 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:02:42 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Arguments | |  | | --- | | **Value** | | ccNumber (Text) | | | Operation | ccNumber | | Operation Type | Attribute Setter | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:02:42 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:02:42 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.2 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:02:42 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Arguments | |  | | --- | | **Value** | | name (Text) | | | Operation | name | | Operation Type | Attribute Setter | |
| Asynchronous | false |

### Image1.png em : javax.persistence.EntityManager

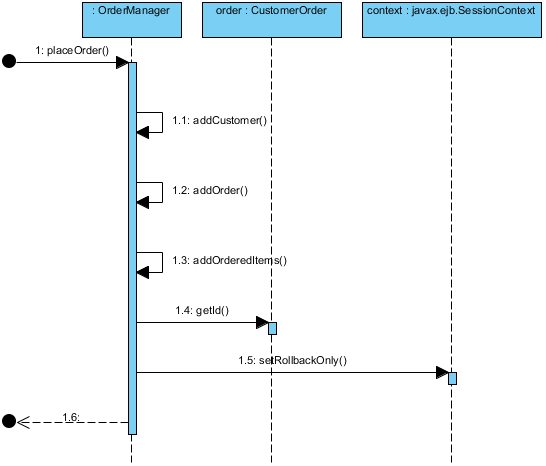
|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:02:42 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Multiplicity | Unspecified |
| Base Classifier | javax.persistence.EntityManager |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **persist(customer) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:02:42 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:02:42 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.8 |
| Asynchronous | false |

Sequence Diagram

# session.OrderManager.placeOrder(String, String, String, String, String, String, ShoppingCart)



## Details

### Image1.png  : OrderManager

|  |  |
| --- | --- |
| **Name** | **Value** |
| Transit To | Image1.png N/A |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:19 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png OrderManager |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:19 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | |
| Transit To | Image45.png N/A (<unnamed> -> <unnamed>) |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:19 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |
| Type | Self Message |
| Sequence Number | 1.2 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:19 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | | Arguments | |  | | --- | | **Value** | | customer (Text) | | cart (Text) | | | Operation | addOrder | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Transit To | N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:19 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | |
| Transit To | Image45.png N/A (<unnamed> -> <unnamed>) |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:19 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |
| Type | Message |
| Sequence Number | 1.6 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:19 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:19 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | |
| Transit To | Image45.png N/A (<unnamed> -> <unnamed>) |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:19 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |
| Type | Self Message |
| Sequence Number | 1.3 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:19 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | | Arguments | |  | | --- | | **Value** | | order (Text) | | cart (Text) | | | Operation | addOrderedItems | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setRollbackOnly() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png context | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:19 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | |
| Transit To | Image45.png setRollbackOnly() (<unnamed> -> context) |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:19 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |
| Type | Message |
| Sequence Number | 1.5 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:19 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | |
| Transit To | Image45.png N/A (<unnamed> -> <unnamed>) |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:19 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |
| Type | Self Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:19 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | | Arguments | |  | | --- | | **Value** | | name (Text) | | email (Text) | | phone (Text) | | address (Text) | | cityRegion (Text) | | ccNumber (Text) | | | Operation | addCustomer | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png order | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:19 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | |
| Transit To | Image45.png N/A (<unnamed> -> order) |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:19 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |
| Type | Message |
| Sequence Number | 1.4 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:19 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | | Operation | id | | Operation Type | Attribute Getter | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Transit To | N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:19 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | |
| Transit To | Image45.png N/A (<unnamed> -> <unnamed>) |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:19 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:19 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | | Operation | placeOrder | | Operation Type | Operation | |
| Asynchronous | false |

### Image1.png order : CustomerOrder

|  |  |
| --- | --- |
| **Name** | **Value** |
| Transit To | Image1.png order |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:19 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png CustomerOrder |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:19 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | |
| Transit To | Image45.png N/A (<unnamed> -> order) |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:19 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |
| Type | Message |
| Sequence Number | 1.4 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:19 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | | Operation | id | | Operation Type | Attribute Getter | |
| Asynchronous | false |

### Image1.png context : javax.ejb.SessionContext

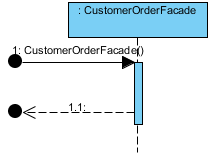
|  |  |
| --- | --- |
| **Name** | **Value** |
| Transit To | Image1.png context |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:19 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |
| Multiplicity | Unspecified |
| Base Classifier | javax.ejb.SessionContext |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **setRollbackOnly() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:19 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | |
| Transit To | Image45.png setRollbackOnly() (<unnamed> -> context) |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:19 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |
| Type | Message |
| Sequence Number | 1.5 |
| Asynchronous | false |

Sequence Diagram

# session.CustomerOrderFacade.CustomerOrderFacade()



## Details

### Image1.png  : CustomerOrderFacade

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:52 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png CustomerOrderFacade |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:52 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:52 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:52 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:52 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:52 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:52 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Operation | CustomerOrderFacade | | Operation Type | Operation | |
| Asynchronous | false |

Sequence Diagram

# validate.Validator.validateForm(String, String, String, String, String, String, HttpServletRequest)



## Details

### Image1.png  : Validator

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:04:47 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png Validator |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **setAttribute("emailError", emailError) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:04:48 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:04:48 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.2 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("nameError", nameError) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:04:48 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:04:48 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.1 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("ccNumberError", ccNumberError) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:04:49 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:04:49 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.6 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:04:49 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:04:49 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.7 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:04:49 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("addressError", addressError) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:04:48 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:04:48 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.4 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("phoneError", phoneError) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:04:48 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:04:48 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.3 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("cityRegionError", cityRegionError) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:04:48 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:04:48 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.5 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:04:47 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:04:47 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:04:47 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Operation | validateForm | | Operation Type | Operation | |
| Asynchronous | false |

### Image1.png request : HttpServletRequest

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:04:47 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Multiplicity | Unspecified |
| Base Classifier | HttpServletRequest |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **setAttribute("emailError", emailError) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:04:48 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:04:48 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.2 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("addressError", addressError) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:04:48 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:04:48 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.4 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("nameError", nameError) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:04:48 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:04:48 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.1 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("phoneError", phoneError) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:04:48 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:04:48 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.3 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("ccNumberError", ccNumberError) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:04:49 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:04:49 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.6 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setAttribute("cityRegionError", cityRegionError) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:04:48 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:04:48 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Type | Message |
| Sequence Number | 1.5 |
| Asynchronous | false |

### Image5.png CombinedFragment16

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:04:47 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Operator Kind | opt |

#### Interaction Operands

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

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png request |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:04:47 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:04:47 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Constraint | name == null || name.equals("") || name.length() > 45 | |

### Image5.png CombinedFragment17

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:04:48 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Operator Kind | opt |

#### Interaction Operands

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

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png request |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:04:48 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:04:48 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Constraint | email == null || email.equals("") || !email.contains("@") | |

### Image5.png CombinedFragment18

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:04:48 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Operator Kind | opt |

#### Interaction Operands

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

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png request |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:04:48 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:04:48 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Constraint | phone == null || phone.equals("") || phone.length() < 9 | |

### Image5.png CombinedFragment19

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:04:48 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Operator Kind | opt |

#### Interaction Operands

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

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png request |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:04:48 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:04:48 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Constraint | address == null || address.equals("") || address.length() > 45 | |

### Image5.png CombinedFragment20

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:04:48 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Operator Kind | opt |

#### Interaction Operands

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

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png request |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:04:48 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:04:48 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Constraint | cityRegion == null || cityRegion.equals("") || cityRegion.length() > 2 | |

### Image5.png CombinedFragment21

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:04:49 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Operator Kind | opt |

#### Interaction Operands

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

#### Covered LifeLines

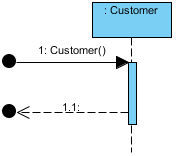
|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png request |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:04:49 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:04:49 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Constraint | ccNumber == null || ccNumber.equals("") || ccNumber.length() > 19 | |

Sequence Diagram

# huy



## Details

### Image1.png  : Customer

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 7:18:17 AM |
| Last Modified | Sep 4, 2015 7:27:08 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png Customer |
| Active | false |
| Stopped | false |
| Multi Object | false |

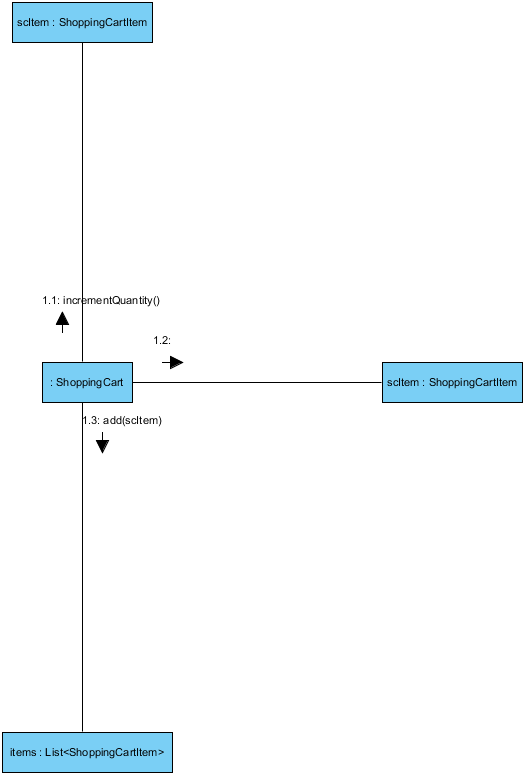
#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 4, 2015 7:18:17 AM | | Last Modified | Sep 4, 2015 7:27:08 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 7:18:17 AM |
| Last Modified | Sep 4, 2015 7:27:08 AM |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 7:18:17 AM | | Last Modified | Sep 4, 2015 7:27:08 AM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 4, 2015 7:18:17 AM | | Last Modified | Sep 4, 2015 7:27:08 AM | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 7:18:17 AM |
| Last Modified | Sep 4, 2015 7:27:08 AM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 7:18:17 AM | | Last Modified | Sep 4, 2015 7:27:08 AM | | Operation | Customer | | Operation Type | Operation | |
| Asynchronous | false |

Communication Diagram

# cart.ShoppingCart.addItem(Product) - Communications



## Details

### Image1.png  : ShoppingCart

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 8:55:42 PM |
| Last Modified | Sep 3, 2015 9:06:45 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCart |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png scItem | | Author | Zaic | | Create Date Time | Sep 3, 2015 9:06:33 PM | | Last Modified | Sep 3, 2015 9:06:45 PM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 9:06:33 PM |
| Last Modified | Sep 3, 2015 9:06:45 PM |

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png scItem | | Author | Zaic | | Create Date Time | Sep 3, 2015 9:06:33 PM | | Last Modified | Sep 3, 2015 9:06:45 PM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 9:06:33 PM |
| Last Modified | Sep 3, 2015 9:06:45 PM |

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png items | | Author | Zaic | | Create Date Time | Sep 3, 2015 9:06:33 PM | | Last Modified | Sep 3, 2015 9:06:45 PM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 9:06:33 PM |
| Last Modified | Sep 3, 2015 9:06:45 PM |

### Image45.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png scItem |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 8:55:53 PM |
| Last Modified | Sep 3, 2015 9:06:45 PM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 8:55:53 PM | | Last Modified | Sep 3, 2015 9:06:45 PM | | Operation | incrementQuantity | | Operation Type | Operation | |
| Asynchronous | false |

### Image1.png scItem : ShoppingCartItem

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 8:55:53 PM |
| Last Modified | Sep 3, 2015 9:06:45 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCartItem |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 9:06:33 PM | | Last Modified | Sep 3, 2015 9:06:45 PM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 9:06:33 PM |
| Last Modified | Sep 3, 2015 9:06:45 PM |

### Image45.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png scItem |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 8:55:53 PM |
| Last Modified | Sep 3, 2015 9:06:45 PM |
| From Activation | Image50.png Activation |
| Type | Create Message |
| Sequence Number | 1.2 |
| Asynchronous | false |

### Image1.png scItem : ShoppingCartItem

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 8:55:53 PM |
| Last Modified | Sep 3, 2015 9:06:45 PM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCartItem |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 9:06:33 PM | | Last Modified | Sep 3, 2015 9:06:45 PM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 9:06:33 PM |
| Last Modified | Sep 3, 2015 9:06:45 PM |

### Image45.png add(scItem)

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png items |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 8:55:53 PM |
| Last Modified | Sep 3, 2015 9:06:45 PM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.3 |
| Asynchronous | false |

### Image1.png items : List<ShoppingCartItem>

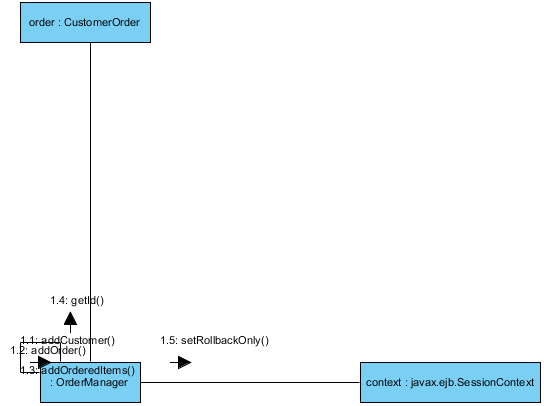
|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 8:55:53 PM |
| Last Modified | Sep 3, 2015 9:06:45 PM |
| Multiplicity | Unspecified |
| Base Classifier | List<ShoppingCartItem> |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 3, 2015 9:06:33 PM | | Last Modified | Sep 3, 2015 9:06:45 PM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 9:06:33 PM |
| Last Modified | Sep 3, 2015 9:06:45 PM |

Communication Diagram

# session.OrderManager.placeOrder(String, String, String, String, String, String, ShoppingCart) - Communications



## Details

### Image1.png  : OrderManager

|  |  |
| --- | --- |
| **Name** | **Value** |
| Transit To | Image1.png N/A |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:19 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png OrderManager |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:05:15 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:05:15 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png order | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:05:15 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:05:15 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png context | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:05:15 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:05:15 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |

### Image45.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png N/A |
| Transit To | Image45.png N/A (<unnamed> -> <unnamed>) |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:19 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Self Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:19 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | | Arguments | |  | | --- | | **Value** | | name (Text) | | email (Text) | | phone (Text) | | address (Text) | | cityRegion (Text) | | ccNumber (Text) | | | Operation | addCustomer | | Operation Type | Operation | |
| Asynchronous | false |

### Image45.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png N/A |
| Transit To | Image45.png N/A (<unnamed> -> <unnamed>) |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:19 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Self Message |
| Sequence Number | 1.2 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:19 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | | Arguments | |  | | --- | | **Value** | | customer (Text) | | cart (Text) | | | Operation | addOrder | | Operation Type | Operation | |
| Asynchronous | false |

### Image45.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png N/A |
| Transit To | Image45.png N/A (<unnamed> -> <unnamed>) |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:19 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Self Message |
| Sequence Number | 1.3 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:19 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | | Arguments | |  | | --- | | **Value** | | order (Text) | | cart (Text) | | | Operation | addOrderedItems | | Operation Type | Operation | |
| Asynchronous | false |

### Image45.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png order |
| Transit To | Image45.png N/A (<unnamed> -> order) |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:19 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.4 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:19 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | | Operation | id | | Operation Type | Attribute Getter | |
| Asynchronous | false |

### Image1.png order : CustomerOrder

|  |  |
| --- | --- |
| **Name** | **Value** |
| Transit To | Image1.png order |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:19 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png CustomerOrder |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:05:15 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:05:15 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |

### Image45.png setRollbackOnly()

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png context |
| Transit To | Image45.png setRollbackOnly() (<unnamed> -> context) |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:19 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.5 |
| Asynchronous | false |

### Image1.png context : javax.ejb.SessionContext

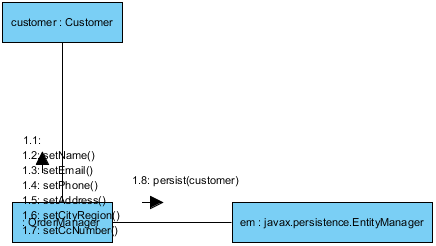
|  |  |
| --- | --- |
| **Name** | **Value** |
| Transit To | Image1.png context |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:19 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |
| Multiplicity | Unspecified |
| Base Classifier | javax.ejb.SessionContext |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:05:15 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:05:15 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |

Communication Diagram

# session.OrderManager.addCustomer(String, String, String, String, String, String) - Communications



## Details

### Image1.png  : OrderManager

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:02:41 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png OrderManager |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png customer | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:05:53 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:05:53 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png em | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:05:53 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:05:53 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |

### Image45.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png customer |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:02:42 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| From Activation | Image50.png Activation |
| Type | Create Message |
| Sequence Number | 1.1 |
| Asynchronous | false |

### Image1.png customer : Customer

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:02:42 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png Customer |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:05:53 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:05:53 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |

### Image45.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png customer |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:02:42 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.2 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:02:42 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Arguments | |  | | --- | | **Value** | | name (Text) | | | Operation | name | | Operation Type | Attribute Setter | |
| Asynchronous | false |

### Image45.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png customer |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:02:42 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.3 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:02:42 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Arguments | |  | | --- | | **Value** | | email (Text) | | | Operation | email | | Operation Type | Attribute Setter | |
| Asynchronous | false |

### Image45.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png customer |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:02:42 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.4 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:02:42 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Arguments | |  | | --- | | **Value** | | phone (Text) | | | Operation | phone | | Operation Type | Attribute Setter | |
| Asynchronous | false |

### Image45.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png customer |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:02:42 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.5 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:02:42 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Arguments | |  | | --- | | **Value** | | address (Text) | | | Operation | address | | Operation Type | Attribute Setter | |
| Asynchronous | false |

### Image45.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png customer |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:02:42 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.6 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:02:42 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Arguments | |  | | --- | | **Value** | | cityRegion (Text) | | | Operation | cityRegion | | Operation Type | Attribute Setter | |
| Asynchronous | false |

### Image45.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png customer |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:02:42 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.7 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:02:42 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Arguments | |  | | --- | | **Value** | | ccNumber (Text) | | | Operation | ccNumber | | Operation Type | Attribute Setter | |
| Asynchronous | false |

### Image45.png persist(customer)

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png em |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:02:42 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.8 |
| Asynchronous | false |

### Image1.png em : javax.persistence.EntityManager

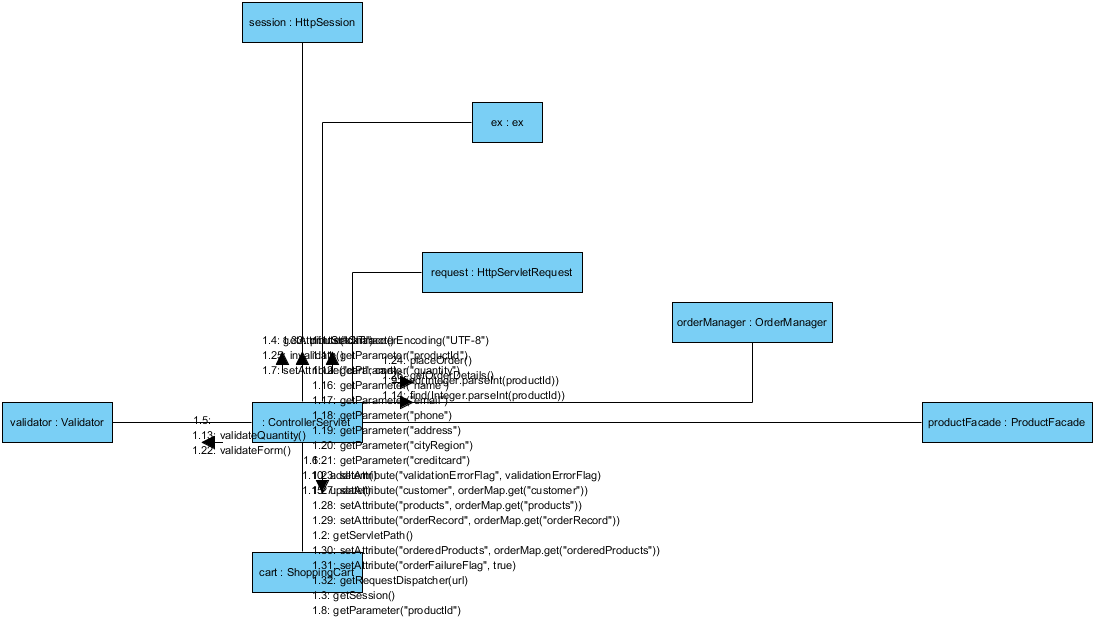
|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:02:42 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Multiplicity | Unspecified |
| Base Classifier | javax.persistence.EntityManager |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:05:53 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:05:53 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |

Communication Diagram

# controller.ControllerServlet.doPost(HttpServletRequest, HttpServletResponse) - Communications



## Details

### Image1.png  : ControllerServlet

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:24 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ControllerServlet |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:07:04 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:07:04 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png session | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:07:04 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:07:04 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png validator | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:07:04 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:07:04 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png cart | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:07:04 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:07:04 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png productFacade | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:07:04 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:07:04 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png orderManager | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:07:04 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:07:04 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png ex | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:07:04 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:07:04 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |

### Image45.png setCharacterEncoding("UTF-8")

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png request |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:25 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.1 |
| Asynchronous | false |

### Image1.png request : HttpServletRequest

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:25 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Multiplicity | Unspecified |
| Base Classifier | HttpServletRequest |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:07:04 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:07:04 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |

### Image45.png getServletPath()

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png request |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:25 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.2 |
| Asynchronous | false |

### Image45.png getSession()

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png request |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:25 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.3 |
| Asynchronous | false |

### Image45.png getAttribute("cart")

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png session |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:25 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.4 |
| Asynchronous | false |

### Image1.png session : HttpSession

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:25 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Multiplicity | Unspecified |
| Base Classifier | HttpSession |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:07:04 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:07:04 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |

### Image45.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png validator |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:25 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| From Activation | Image50.png Activation |
| Type | Create Message |
| Sequence Number | 1.5 |
| Asynchronous | false |

### Image1.png validator : Validator

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:25 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png Validator |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:07:04 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:07:04 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |

### Image45.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png cart |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:25 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| From Activation | Image50.png Activation |
| Type | Create Message |
| Sequence Number | 1.6 |
| Asynchronous | false |

### Image1.png cart : ShoppingCart

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:25 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCart |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:07:04 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:07:04 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |

### Image45.png setAttribute("cart", cart)

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png session |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:25 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.7 |
| Asynchronous | false |

### Image45.png getParameter("productId")

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png request |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:25 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.8 |
| Asynchronous | false |

### Image45.png find(Integer.parseInt(productId))

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png productFacade |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:26 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.9 |
| Asynchronous | false |

### Image1.png productFacade : ProductFacade

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:26 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ProductFacade |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:07:04 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:07:04 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |

### Image45.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png cart |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:26 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.10 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:26 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Arguments | |  | | --- | | **Value** | | product (Text) | | | Operation | addItem | | Operation Type | Operation | |
| Asynchronous | false |

### Image45.png getParameter("productId")

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png request |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:26 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.11 |
| Asynchronous | false |

### Image45.png getParameter("quantity")

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png request |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:26 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.12 |
| Asynchronous | false |

### Image45.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png validator |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:26 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.13 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:26 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Arguments | |  | | --- | | **Value** | | productId (Text) | | quantity (Text) | | | Operation | validateQuantity | | Operation Type | Operation | |
| Asynchronous | false |

### Image45.png find(Integer.parseInt(productId))

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png productFacade |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:27 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.14 |
| Asynchronous | false |

### Image45.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png cart |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:27 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.15 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:27 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Arguments | |  | | --- | | **Value** | | product (Text) | | quantity (Text) | | | Operation | update | | Operation Type | Operation | |
| Asynchronous | false |

### Image45.png getParameter("name")

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png request |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:27 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.16 |
| Asynchronous | false |

### Image45.png getParameter("email")

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png request |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:27 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.17 |
| Asynchronous | false |

### Image45.png getParameter("phone")

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png request |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:27 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.18 |
| Asynchronous | false |

### Image45.png getParameter("address")

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png request |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:27 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.19 |
| Asynchronous | false |

### Image45.png getParameter("cityRegion")

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png request |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:28 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.20 |
| Asynchronous | false |

### Image45.png getParameter("creditcard")

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png request |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:28 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.21 |
| Asynchronous | false |

### Image45.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png validator |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:28 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.22 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:28 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Arguments | |  | | --- | | **Value** | | name (Text) | | email (Text) | | phone (Text) | | address (Text) | | cityRegion (Text) | | ccNumber (Text) | | request (Text) | | | Operation | validateForm | | Operation Type | Operation | |
| Asynchronous | false |

### Image45.png setAttribute("validationErrorFlag", validationErrorFlag)

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png request |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:28 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.23 |
| Asynchronous | false |

### Image45.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png orderManager |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:28 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.24 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:28 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Arguments | |  | | --- | | **Value** | | name (Text) | | email (Text) | | phone (Text) | | address (Text) | | cityRegion (Text) | | ccNumber (Text) | | cart (Text) | | | Operation | placeOrder | | Operation Type | Operation | |
| Asynchronous | false |

### Image1.png orderManager : OrderManager

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:28 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png OrderManager |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:07:04 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:07:04 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |

### Image45.png invalidate()

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png session |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:29 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.25 |
| Asynchronous | false |

### Image45.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png orderManager |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:29 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.26 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:23:29 PM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Arguments | |  | | --- | | **Value** | | orderId (Text) | | | Operation | getOrderDetails | | Operation Type | Operation | |
| Asynchronous | false |

### Image45.png setAttribute("customer", orderMap.get("customer"))

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png request |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:29 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.27 |
| Asynchronous | false |

### Image45.png setAttribute("products", orderMap.get("products"))

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png request |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:29 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.28 |
| Asynchronous | false |

### Image45.png setAttribute("orderRecord", orderMap.get("orderRecord"))

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png request |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:29 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.29 |
| Asynchronous | false |

### Image45.png setAttribute("orderedProducts", orderMap.get("orderedProducts"))

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png request |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:30 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.30 |
| Asynchronous | false |

### Image45.png setAttribute("orderFailureFlag", true)

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png request |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:30 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.31 |
| Asynchronous | false |

### Image45.png getRequestDispatcher(url)

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png request |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:30 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.32 |
| Asynchronous | false |

### Image45.png printStackTrace()

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png ex |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:31 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.33 |
| Asynchronous | false |

### Image1.png ex : ex

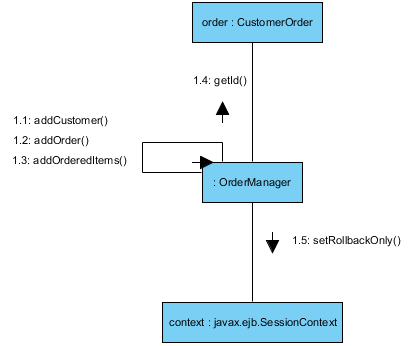
|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:23:30 PM |
| Last Modified | Sep 4, 2015 12:07:04 AM |
| Multiplicity | Unspecified |
| Base Classifier | ex |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:07:04 AM | | Last Modified | Sep 4, 2015 12:07:04 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:07:04 AM |
| Last Modified | Sep 4, 2015 12:07:04 AM |

Communication Diagram

# session.OrderManager.placeOrder(String, String, String, String, String, String, ShoppingCart)2 - Communications



## Details

### Image1.png  : OrderManager

|  |  |
| --- | --- |
| **Name** | **Value** |
| Transit From | Image1.png N/A |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:19 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png OrderManager |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 11, 2015 7:31:47 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 7:31:47 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png order | | Author | Zaic | | Create Date Time | Sep 11, 2015 7:31:47 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 7:31:47 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png context | | Author | Zaic | | Create Date Time | Sep 11, 2015 7:31:47 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 7:31:47 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |

### Image45.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png N/A |
| Transit From | Image45.png N/A (<unnamed> -> <unnamed>) |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:19 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Self Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:19 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | | Arguments | |  | | --- | | **Value** | | name (Text) | | email (Text) | | phone (Text) | | address (Text) | | cityRegion (Text) | | ccNumber (Text) | | | Operation | addCustomer | | Operation Type | Operation | |
| Asynchronous | false |

### Image45.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png N/A |
| Transit From | Image45.png N/A (<unnamed> -> <unnamed>) |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:19 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Self Message |
| Sequence Number | 1.2 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:19 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | | Arguments | |  | | --- | | **Value** | | customer (Text) | | cart (Text) | | | Operation | addOrder | | Operation Type | Operation | |
| Asynchronous | false |

### Image45.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png N/A |
| Transit From | Image45.png N/A (<unnamed> -> <unnamed>) |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:19 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Self Message |
| Sequence Number | 1.3 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:19 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | | Arguments | |  | | --- | | **Value** | | order (Text) | | cart (Text) | | | Operation | addOrderedItems | | Operation Type | Operation | |
| Asynchronous | false |

### Image45.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png order |
| Transit From | Image45.png N/A (<unnamed> -> order) |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:19 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.4 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:19 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | | Operation | id | | Operation Type | Attribute Getter | |
| Asynchronous | false |

### Image1.png order : CustomerOrder

|  |  |
| --- | --- |
| **Name** | **Value** |
| Transit From | Image1.png order |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:19 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png CustomerOrder |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 11, 2015 7:31:47 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 7:31:47 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |

### Image45.png setRollbackOnly()

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png context |
| Transit From | Image45.png setRollbackOnly() (<unnamed> -> context) |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:19 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.5 |
| Asynchronous | false |

### Image1.png context : javax.ejb.SessionContext

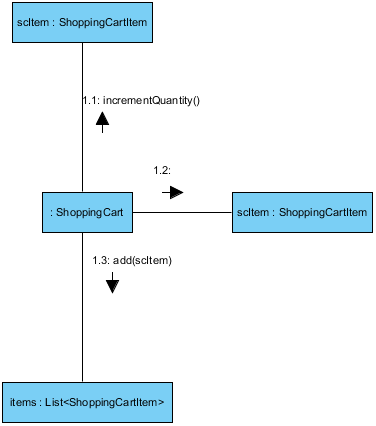
|  |  |
| --- | --- |
| **Name** | **Value** |
| Transit From | Image1.png context |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:19 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |
| Multiplicity | Unspecified |
| Base Classifier | javax.ejb.SessionContext |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 11, 2015 7:31:47 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 7:31:47 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |

Communication Diagram

# cart.ShoppingCart.addItem(Product) - Communications



## Details

### Image1.png  : ShoppingCart

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:07:58 PM |
| Last Modified | Sep 11, 2015 7:56:35 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCart |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png scItem | | Author | Zaic | | Create Date Time | Sep 11, 2015 7:54:39 AM | | Last Modified | Sep 11, 2015 7:56:35 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 7:54:39 AM |
| Last Modified | Sep 11, 2015 7:56:35 AM |

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png scItem | | Author | Zaic | | Create Date Time | Sep 11, 2015 7:54:39 AM | | Last Modified | Sep 11, 2015 7:56:35 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 7:54:39 AM |
| Last Modified | Sep 11, 2015 7:56:35 AM |

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png items | | Author | Zaic | | Create Date Time | Sep 11, 2015 7:54:39 AM | | Last Modified | Sep 11, 2015 7:56:35 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 7:54:39 AM |
| Last Modified | Sep 11, 2015 7:56:35 AM |

### Image45.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png scItem |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:07:58 PM |
| Last Modified | Sep 11, 2015 7:56:35 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:07:58 PM | | Last Modified | Sep 11, 2015 7:56:35 AM | | Operation | incrementQuantity | | Operation Type | Operation | |
| Asynchronous | false |

### Image1.png scItem : ShoppingCartItem

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:07:58 PM |
| Last Modified | Sep 11, 2015 7:56:35 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCartItem |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 11, 2015 7:54:39 AM | | Last Modified | Sep 11, 2015 7:56:35 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 7:54:39 AM |
| Last Modified | Sep 11, 2015 7:56:35 AM |

### Image45.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png scItem |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:07:59 PM |
| Last Modified | Sep 11, 2015 7:56:35 AM |
| From Activation | Image50.png Activation |
| Type | Create Message |
| Sequence Number | 1.2 |
| Asynchronous | false |

### Image1.png scItem : ShoppingCartItem

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:07:58 PM |
| Last Modified | Sep 11, 2015 7:56:35 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCartItem |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 11, 2015 7:54:39 AM | | Last Modified | Sep 11, 2015 7:56:35 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 7:54:39 AM |
| Last Modified | Sep 11, 2015 7:56:35 AM |

### Image45.png add(scItem)

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png items |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:07:59 PM |
| Last Modified | Sep 11, 2015 7:56:35 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.3 |
| Asynchronous | false |

### Image1.png items : List<ShoppingCartItem>

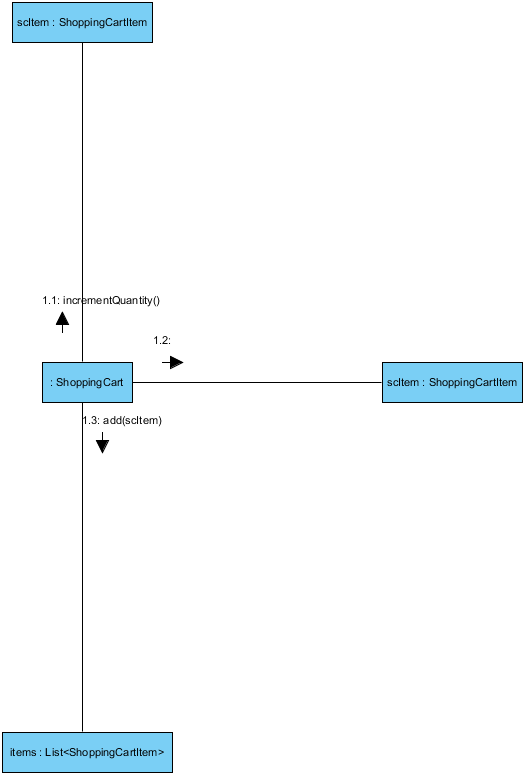
|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:07:59 PM |
| Last Modified | Sep 11, 2015 7:56:35 AM |
| Multiplicity | Unspecified |
| Base Classifier | List<ShoppingCartItem> |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 11, 2015 7:54:39 AM | | Last Modified | Sep 11, 2015 7:56:35 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 7:54:39 AM |
| Last Modified | Sep 11, 2015 7:56:35 AM |

Communication Diagram

# cart.ShoppingCart.addItem(Product) - Communications



## Details

### Image1.png  : ShoppingCart

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:08:03 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCart |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png scItem | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:09:12 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:09:12 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png scItem | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:09:12 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:09:12 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png items | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:09:12 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:09:12 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |

### Image45.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png scItem |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:08:03 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:08:03 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | | Operation | incrementQuantity | | Operation Type | Operation | |
| Asynchronous | false |

### Image1.png scItem : ShoppingCartItem

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:08:03 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCartItem |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:09:12 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:09:12 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |

### Image45.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png scItem |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:08:04 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| From Activation | Image50.png Activation |
| Type | Create Message |
| Sequence Number | 1.2 |
| Asynchronous | false |

### Image1.png scItem : ShoppingCartItem

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:08:04 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCartItem |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:09:12 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:09:12 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |

### Image45.png add(scItem)

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png items |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:08:04 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.3 |
| Asynchronous | false |

### Image1.png items : List<ShoppingCartItem>

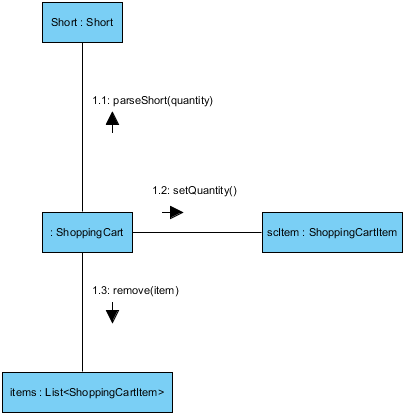
|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:08:04 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Multiplicity | Unspecified |
| Base Classifier | List<ShoppingCartItem> |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:09:12 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:09:12 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |

Communication Diagram

# cart.ShoppingCart.update(Product, String) - Communications



## Details

### Image1.png  : ShoppingCart

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:10:36 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCart |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png Short | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:11:37 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:11:37 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png scItem | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:11:37 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:11:37 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png items | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:11:37 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:11:37 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |

### Image45.png parseShort(quantity)

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png Short |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:10:36 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.1 |
| Asynchronous | false |

### Image1.png Short : Short

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:10:36 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Multiplicity | Unspecified |
| Base Classifier | Short |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:11:37 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:11:37 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |

### Image45.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png scItem |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:10:36 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.2 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:10:36 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | | Arguments | |  | | --- | | **Value** | | qty (Text) | | | Operation | quantity | | Operation Type | Attribute Setter | |
| Asynchronous | false |

### Image1.png scItem : ShoppingCartItem

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:10:36 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCartItem |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:11:37 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:11:37 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |

### Image45.png remove(item)

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png items |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:10:37 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.3 |
| Asynchronous | false |

### Image1.png items : List<ShoppingCartItem>

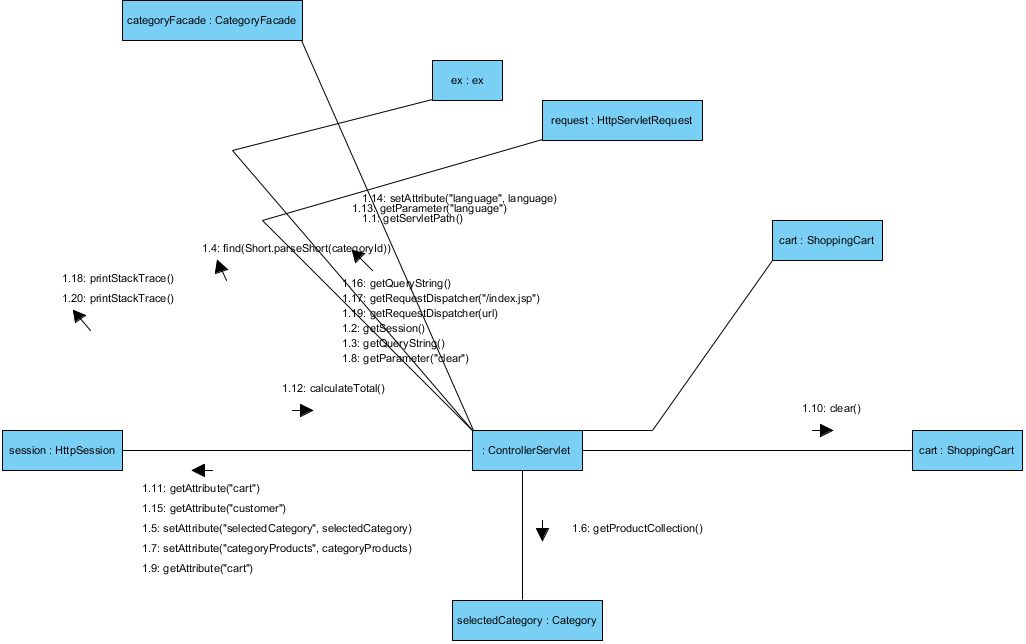
|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:10:37 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Multiplicity | Unspecified |
| Base Classifier | List<ShoppingCartItem> |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:11:37 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:11:37 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |

Communication Diagram

# controller.ControllerServlet.doGet(HttpServletRequest, HttpServletResponse) - Communications



## Details

### Image1.png  : ControllerServlet

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:43 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ControllerServlet |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png request | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:28:54 AM | | Last Modified | Sep 11, 2015 8:36:38 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:28:54 AM |
| Last Modified | Sep 11, 2015 8:36:38 AM |

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png categoryFacade | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:28:54 AM | | Last Modified | Sep 11, 2015 8:36:38 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:28:54 AM |
| Last Modified | Sep 11, 2015 8:36:38 AM |

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png session | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:28:54 AM | | Last Modified | Sep 11, 2015 8:36:38 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:28:54 AM |
| Last Modified | Sep 11, 2015 8:36:38 AM |

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png selectedCategory | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:28:54 AM | | Last Modified | Sep 11, 2015 8:36:38 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:28:54 AM |
| Last Modified | Sep 11, 2015 8:36:38 AM |

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png cart | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:28:54 AM | | Last Modified | Sep 11, 2015 8:36:38 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:28:54 AM |
| Last Modified | Sep 11, 2015 8:36:38 AM |

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png cart | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:28:54 AM | | Last Modified | Sep 11, 2015 8:36:38 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:28:54 AM |
| Last Modified | Sep 11, 2015 8:36:38 AM |

|  |  |
| --- | --- |
| **Unnamed Link** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png ex | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:28:54 AM | | Last Modified | Sep 11, 2015 8:36:38 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:28:54 AM |
| Last Modified | Sep 11, 2015 8:36:38 AM |

### Image45.png getServletPath()

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png request |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:43 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.1 |
| Asynchronous | false |

### Image1.png request : HttpServletRequest

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:43 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Multiplicity | Unspecified |
| Base Classifier | HttpServletRequest |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:28:54 AM | | Last Modified | Sep 11, 2015 8:36:38 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:28:54 AM |
| Last Modified | Sep 11, 2015 8:36:38 AM |

### Image45.png getSession()

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png request |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:44 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.2 |
| Asynchronous | false |

### Image45.png getQueryString()

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png request |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:44 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.3 |
| Asynchronous | false |

### Image45.png find(Short.parseShort(categoryId))

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png categoryFacade |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:44 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.4 |
| Asynchronous | false |

### Image1.png categoryFacade : CategoryFacade

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:44 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png CategoryFacade |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:28:54 AM | | Last Modified | Sep 11, 2015 8:36:38 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:28:54 AM |
| Last Modified | Sep 11, 2015 8:36:38 AM |

### Image45.png setAttribute("selectedCategory", selectedCategory)

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png session |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:44 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.5 |
| Asynchronous | false |

### Image1.png session : HttpSession

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:44 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Multiplicity | Unspecified |
| Base Classifier | HttpSession |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:28:54 AM | | Last Modified | Sep 11, 2015 8:36:38 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:28:54 AM |
| Last Modified | Sep 11, 2015 8:36:38 AM |

### Image45.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png selectedCategory |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:44 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.6 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:44 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | | Operation | productCollection | | Operation Type | Attribute Getter | |
| Asynchronous | false |

### Image1.png selectedCategory : Category

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:44 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png Category |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:28:54 AM | | Last Modified | Sep 11, 2015 8:36:38 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:28:54 AM |
| Last Modified | Sep 11, 2015 8:36:38 AM |

### Image45.png setAttribute("categoryProducts", categoryProducts)

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png session |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:44 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.7 |
| Asynchronous | false |

### Image45.png getParameter("clear")

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png request |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:44 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.8 |
| Asynchronous | false |

### Image45.png getAttribute("cart")

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png session |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:45 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.9 |
| Asynchronous | false |

### Image45.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png cart |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:45 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.10 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:45 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | | Operation | clear | | Operation Type | Operation | |
| Asynchronous | false |

### Image1.png cart : ShoppingCart

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:45 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCart |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:28:54 AM | | Last Modified | Sep 11, 2015 8:36:38 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:28:54 AM |
| Last Modified | Sep 11, 2015 8:36:38 AM |

### Image45.png getAttribute("cart")

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png session |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:45 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.11 |
| Asynchronous | false |

### Image45.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png cart |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:45 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.12 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 3, 2015 11:22:45 PM | | Last Modified | Sep 11, 2015 8:36:38 AM | | Arguments | |  | | --- | | **Value** | | surcharge (Text) | | | Operation | calculateTotal | | Operation Type | Operation | |
| Asynchronous | false |

### Image1.png cart : ShoppingCart

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:45 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCart |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:28:54 AM | | Last Modified | Sep 11, 2015 8:36:38 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:28:54 AM |
| Last Modified | Sep 11, 2015 8:36:38 AM |

### Image45.png getParameter("language")

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png request |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:46 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.13 |
| Asynchronous | false |

### Image45.png setAttribute("language", language)

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png request |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:46 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.14 |
| Asynchronous | false |

### Image45.png getAttribute("customer")

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png session |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:46 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.15 |
| Asynchronous | false |

### Image45.png getQueryString()

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png request |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:47 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.16 |
| Asynchronous | false |

### Image45.png getRequestDispatcher("/index.jsp")

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png request |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:47 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.17 |
| Asynchronous | false |

### Image45.png printStackTrace()

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png ex |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:47 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.18 |
| Asynchronous | false |

### Image1.png ex : ex

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:47 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| Multiplicity | Unspecified |
| Base Classifier | ex |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Link** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:28:54 AM | | Last Modified | Sep 11, 2015 8:36:38 AM | | Multiplicity | Unspecified | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:28:54 AM |
| Last Modified | Sep 11, 2015 8:36:38 AM |

### Image45.png getRequestDispatcher(url)

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png request |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:48 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.19 |
| Asynchronous | false |

### Image45.png printStackTrace()

|  |  |
| --- | --- |
| **Name** | **Value** |
| End Relationship From Meta Model Element | Image1.png N/A |
| End Relationship To Meta Model Element | Image1.png ex |
| Author | Zaic |
| Create Date Time | Sep 3, 2015 11:22:48 PM |
| Last Modified | Sep 11, 2015 8:36:38 AM |
| From Activation | Image50.png Activation |
| To Activation | Image50.png Activation |
| Type | Message |
| Sequence Number | 1.20 |
| Asynchronous | false |

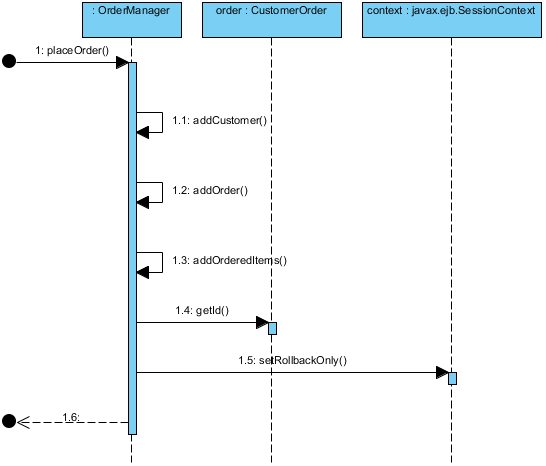
Textual Analysis

# Textual Analysis1

#### Candidate Classes

Sequence Diagram

# session.OrderManager.placeOrder(String, String, String, String, String, String, ShoppingCart)2



## Details

### Image1.png  : OrderManager

|  |  |
| --- | --- |
| **Name** | **Value** |
| Transit From | Image1.png N/A |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:19 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png OrderManager |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png order | | Transit From | N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:19 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | |
| Transit From | Image45.png N/A (<unnamed> -> order) |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:19 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |
| Type | Message |
| Sequence Number | 1.4 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:19 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | | Operation | id | | Operation Type | Attribute Getter | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Transit From | N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:19 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | |
| Transit From | Image45.png N/A (<unnamed> -> <unnamed>) |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:19 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |
| Type | Self Message |
| Sequence Number | 1.3 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:19 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | | Arguments | |  | | --- | | **Value** | | order (Text) | | cart (Text) | | | Operation | addOrderedItems | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Transit From | N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:19 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | |
| Transit From | Image45.png N/A (<unnamed> -> <unnamed>) |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:19 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |
| Type | Self Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:19 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | | Arguments | |  | | --- | | **Value** | | name (Text) | | email (Text) | | phone (Text) | | address (Text) | | cityRegion (Text) | | ccNumber (Text) | | | Operation | addCustomer | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setRollbackOnly() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png context | | Transit From | N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:19 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | |
| Transit From | Image45.png setRollbackOnly() (<unnamed> -> context) |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:19 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |
| Type | Message |
| Sequence Number | 1.5 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Transit From | N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:19 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | |
| Transit From | Image45.png N/A (<unnamed> -> <unnamed>) |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:19 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |
| Type | Message |
| Sequence Number | 1.6 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:19 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Transit From | N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:19 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | |
| Transit From | Image45.png N/A (<unnamed> -> <unnamed>) |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:19 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |
| Type | Self Message |
| Sequence Number | 1.2 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:19 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | | Arguments | |  | | --- | | **Value** | | customer (Text) | | cart (Text) | | | Operation | addOrder | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Transit From | N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:19 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | |
| Transit From | Image45.png N/A (<unnamed> -> <unnamed>) |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:19 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:19 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | | Operation | placeOrder | | Operation Type | Operation | |
| Asynchronous | false |

### Image1.png order : CustomerOrder

|  |  |
| --- | --- |
| **Name** | **Value** |
| Transit From | Image1.png order |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:19 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png CustomerOrder |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Transit From | N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:19 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | |
| Transit From | Image45.png N/A (<unnamed> -> order) |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:19 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |
| Type | Message |
| Sequence Number | 1.4 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:19 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | | Operation | id | | Operation Type | Attribute Getter | |
| Asynchronous | false |

### Image1.png context : javax.ejb.SessionContext

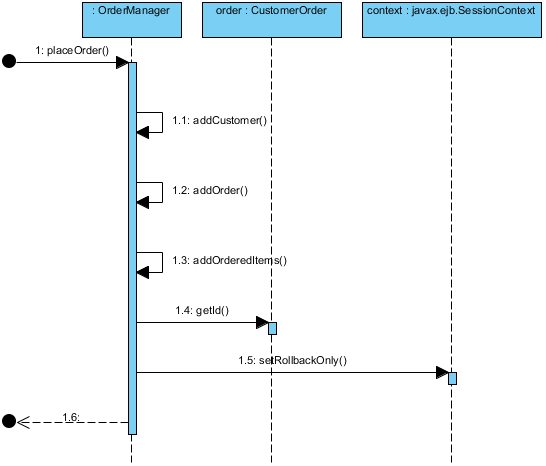
|  |  |
| --- | --- |
| **Name** | **Value** |
| Transit From | Image1.png context |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:19 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |
| Multiplicity | Unspecified |
| Base Classifier | javax.ejb.SessionContext |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **setRollbackOnly() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Transit From | N/A | | Author | Zaic | | Create Date Time | Sep 4, 2015 12:03:19 AM | | Last Modified | Sep 11, 2015 7:36:34 AM | |
| Transit From | Image45.png setRollbackOnly() (<unnamed> -> context) |
| Author | Zaic |
| Create Date Time | Sep 4, 2015 12:03:19 AM |
| Last Modified | Sep 11, 2015 7:36:34 AM |
| Type | Message |
| Sequence Number | 1.5 |
| Asynchronous | false |

Sequence Diagram

# session.OrderManager.placeOrder(String, String, String, String, String, String, ShoppingCart)2



## Details

### Image1.png  : OrderManager

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:05:28 AM |
| Last Modified | Sep 11, 2015 8:06:36 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png OrderManager |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:05:28 AM | | Last Modified | Sep 11, 2015 8:06:36 AM | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:05:28 AM |
| Last Modified | Sep 11, 2015 8:06:36 AM |
| Type | Self Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:05:28 AM | | Last Modified | Sep 11, 2015 8:06:36 AM | | Arguments | |  | | --- | | **Value** | | name (Text) | | email (Text) | | phone (Text) | | address (Text) | | cityRegion (Text) | | ccNumber (Text) | | | Operation | addCustomer | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **setRollbackOnly() : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png context | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:05:29 AM | | Last Modified | Sep 11, 2015 8:06:36 AM | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:05:29 AM |
| Last Modified | Sep 11, 2015 8:06:36 AM |
| Type | Message |
| Sequence Number | 1.5 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:05:28 AM | | Last Modified | Sep 11, 2015 8:06:36 AM | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:05:28 AM |
| Last Modified | Sep 11, 2015 8:06:36 AM |
| Type | Self Message |
| Sequence Number | 1.2 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:05:28 AM | | Last Modified | Sep 11, 2015 8:06:36 AM | | Arguments | |  | | --- | | **Value** | | customer (Text) | | cart (Text) | | | Operation | addOrder | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:05:28 AM | | Last Modified | Sep 11, 2015 8:06:36 AM | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:05:28 AM |
| Last Modified | Sep 11, 2015 8:06:36 AM |
| Type | Self Message |
| Sequence Number | 1.3 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:05:28 AM | | Last Modified | Sep 11, 2015 8:06:36 AM | | Arguments | |  | | --- | | **Value** | | order (Text) | | cart (Text) | | | Operation | addOrderedItems | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png order | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:05:28 AM | | Last Modified | Sep 11, 2015 8:06:36 AM | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:05:28 AM |
| Last Modified | Sep 11, 2015 8:06:36 AM |
| Type | Message |
| Sequence Number | 1.4 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:05:28 AM | | Last Modified | Sep 11, 2015 8:06:36 AM | | Operation | id | | Operation Type | Attribute Getter | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:05:29 AM | | Last Modified | Sep 11, 2015 8:06:36 AM | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:05:29 AM |
| Last Modified | Sep 11, 2015 8:06:36 AM |
| Type | Message |
| Sequence Number | 1.6 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:05:29 AM | | Last Modified | Sep 11, 2015 8:06:36 AM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:05:28 AM | | Last Modified | Sep 11, 2015 8:06:36 AM | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:05:28 AM |
| Last Modified | Sep 11, 2015 8:06:36 AM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:05:28 AM | | Last Modified | Sep 11, 2015 8:06:36 AM | | Operation | placeOrder | | Operation Type | Operation | |
| Asynchronous | false |

### Image1.png order : CustomerOrder

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:05:28 AM |
| Last Modified | Sep 11, 2015 8:06:36 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png CustomerOrder |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:05:28 AM | | Last Modified | Sep 11, 2015 8:06:36 AM | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:05:28 AM |
| Last Modified | Sep 11, 2015 8:06:36 AM |
| Type | Message |
| Sequence Number | 1.4 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:05:28 AM | | Last Modified | Sep 11, 2015 8:06:36 AM | | Operation | id | | Operation Type | Attribute Getter | |
| Asynchronous | false |

### Image1.png context : javax.ejb.SessionContext

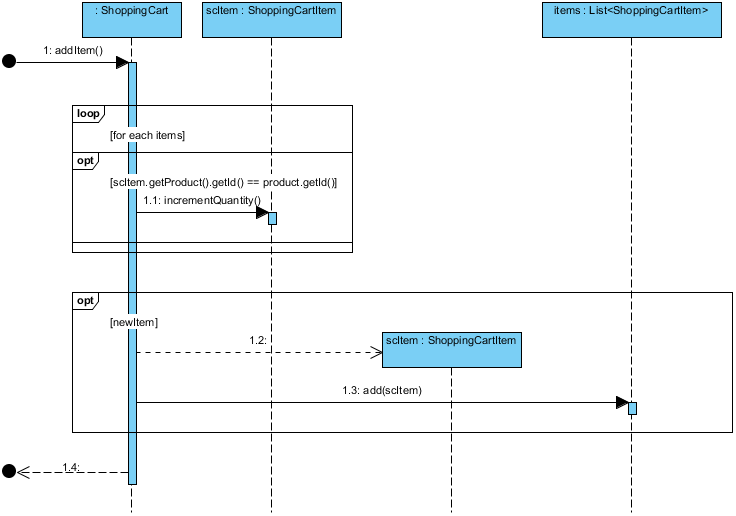
|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:05:29 AM |
| Last Modified | Sep 11, 2015 8:06:36 AM |
| Multiplicity | Unspecified |
| Base Classifier | javax.ejb.SessionContext |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **setRollbackOnly() : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:05:29 AM | | Last Modified | Sep 11, 2015 8:06:36 AM | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:05:29 AM |
| Last Modified | Sep 11, 2015 8:06:36 AM |
| Type | Message |
| Sequence Number | 1.5 |
| Asynchronous | false |

Sequence Diagram

# cart.ShoppingCart.addItem(Product)



## Details

### Image1.png  : ShoppingCart

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:08:03 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCart |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png scItem | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:08:03 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:08:03 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:08:03 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | | Operation | incrementQuantity | | Operation Type | Operation | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **add(scItem) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png items | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:08:04 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:08:04 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Type | Message |
| Sequence Number | 1.3 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:08:04 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:08:04 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Type | Message |
| Sequence Number | 1.4 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:08:04 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png scItem | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:08:04 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:08:04 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Type | Create Message |
| Sequence Number | 1.2 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:08:03 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:08:03 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:08:03 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | | Operation | addItem | | Operation Type | Operation | |
| Asynchronous | false |

### Image1.png scItem : ShoppingCartItem

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:08:03 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCartItem |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:08:03 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:08:03 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Type | Message |
| Sequence Number | 1.1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:08:03 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | | Operation | incrementQuantity | | Operation Type | Operation | |
| Asynchronous | false |

### Image1.png scItem : ShoppingCartItem

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:08:04 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCartItem |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:08:04 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:08:04 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Type | Create Message |
| Sequence Number | 1.2 |
| Asynchronous | false |

### Image1.png items : List<ShoppingCartItem>

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:08:04 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Multiplicity | Unspecified |
| Base Classifier | List<ShoppingCartItem> |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **add(scItem) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:08:04 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:08:04 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Type | Message |
| Sequence Number | 1.3 |
| Asynchronous | false |

### Image5.png CombinedFragment22

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:08:03 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Operator Kind | loop |

#### Interaction Operands

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

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png scItem |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:08:03 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:08:03 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | | Constraint | for each items | |

#### Children

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image5.png CombinedFragment23 |  |

### Image5.png CombinedFragment23

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:08:03 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Operator Kind | opt |

#### Interaction Operands

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

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png scItem |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:08:03 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:08:03 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | | Constraint | scItem.getProduct().getId() == product.getId() | |

### Image5.png CombinedFragment23

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:08:04 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Operator Kind | opt |

#### Interaction Operands

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

#### Covered LifeLines

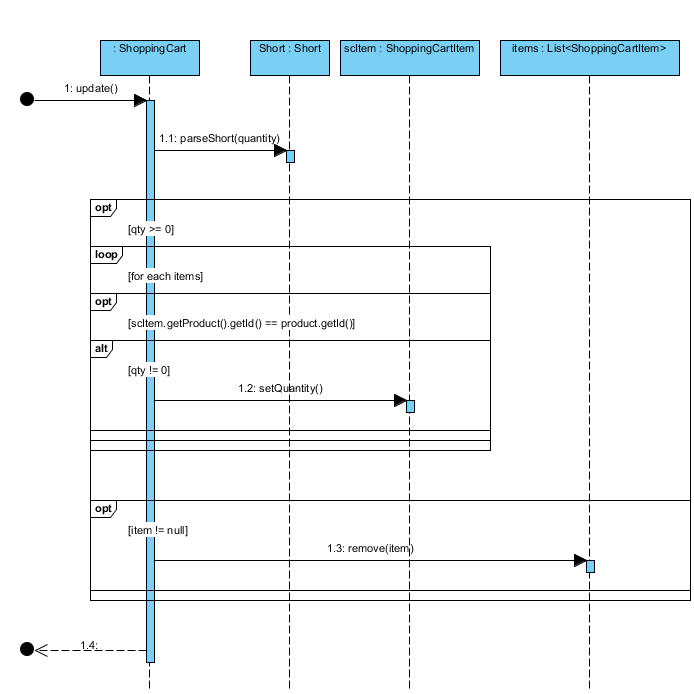
|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png items |  |
| Image1.png scItem |  |
| Image1.png scItem |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:08:04 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:08:04 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | | Constraint | newItem | |

Sequence Diagram

# cart.ShoppingCart.update(Product, String)huy



## Details

### Image1.png  : ShoppingCart

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:10:36 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCart |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:10:37 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:10:37 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Type | Message |
| Sequence Number | 1.4 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Return | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:10:37 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **remove(item) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png items | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:10:37 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:10:37 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Type | Message |
| Sequence Number | 1.3 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png scItem | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:10:36 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:10:36 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Type | Message |
| Sequence Number | 1.2 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:10:36 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | | Arguments | |  | | --- | | **Value** | | qty (Text) | | | Operation | quantity | | Operation Type | Attribute Setter | |
| Asynchronous | false |

|  |  |
| --- | --- |
| **parseShort(quantity) : Message** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png Short | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:10:36 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:10:36 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Type | Message |
| Sequence Number | 1.1 |
| Asynchronous | false |

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:10:36 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:10:36 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Type | Message |
| Sequence Number | 1 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:10:36 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | | Operation | update | | Operation Type | Operation | |
| Asynchronous | false |

### Image1.png Short : Short

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:10:36 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Multiplicity | Unspecified |
| Base Classifier | Short |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **parseShort(quantity) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:10:36 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:10:36 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Type | Message |
| Sequence Number | 1.1 |
| Asynchronous | false |

### Image1.png scItem : ShoppingCartItem

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:10:36 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Multiplicity | Unspecified |
| Base Classifier | Image2.png ShoppingCartItem |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:10:36 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:10:36 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Type | Message |
| Sequence Number | 1.2 |
| Action Type | |  |  | | --- | --- | | **Name** | **Value** | | Name | Call | | Iteration | false | | Asynchronous | false | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:10:36 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | | Arguments | |  | | --- | | **Value** | | qty (Text) | | | Operation | quantity | | Operation Type | Attribute Setter | |
| Asynchronous | false |

### Image1.png items : List<ShoppingCartItem>

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:10:37 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Multiplicity | Unspecified |
| Base Classifier | List<ShoppingCartItem> |
| Active | false |
| Stopped | false |
| Multi Object | false |

#### Relationships

|  |  |
| --- | --- |
| **remove(item) : Message** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image1.png N/A | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:10:37 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:10:37 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Type | Message |
| Sequence Number | 1.3 |
| Asynchronous | false |

### Image5.png CombinedFragment24

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:10:36 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Operator Kind | opt |

#### Interaction Operands

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

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png Short |  |
| Image1.png scItem |  |
| Image1.png items |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:10:36 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:10:36 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | | Constraint | qty >= 0 | |

#### Children

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image5.png CombinedFragment25 |  |
| Image5.png CombinedFragment25 |  |

### Image5.png CombinedFragment25

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:10:36 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Operator Kind | loop |

#### Interaction Operands

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

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png Short |  |
| Image1.png scItem |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:10:36 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:10:36 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | | Constraint | for each items | |

#### Children

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image5.png CombinedFragment26 |  |

### Image5.png CombinedFragment26

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:10:36 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Operator Kind | opt |

#### Interaction Operands

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

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png Short |  |
| Image1.png scItem |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:10:36 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:10:36 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | | Constraint | scItem.getProduct().getId() == product.getId() | |

#### Children

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image5.png CombinedFragment27 |  |

### Image5.png CombinedFragment27

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:10:36 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Operator Kind | alt |

#### Interaction Operands

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

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png scItem |  |
| Image1.png Short |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:10:36 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:10:36 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | | Constraint | qty != 0 | |

### Image5.png CombinedFragment25

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:10:37 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Operator Kind | opt |

#### Interaction Operands

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

#### Covered LifeLines

|  |  |
| --- | --- |
| **Name** | **Documentation** |
| Image1.png N/A |  |
| Image1.png items |  |
| Image1.png Short |  |
| Image1.png scItem |  |

### Image6.png Operand

|  |  |
| --- | --- |
| **Name** | **Value** |
| Author | Zaic |
| Create Date Time | Sep 11, 2015 8:10:37 AM |
| Last Modified | Sep 11, 2015 8:16:37 AM |
| Guard | |  |  | | --- | --- | | **Name** | **Value** | | Author | Zaic | | Create Date Time | Sep 11, 2015 8:10:37 AM | | Last Modified | Sep 11, 2015 8:16:37 AM | | Constraint | item != null | |