**Ordering System**

Team – 11

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# Class Documentation

|  |  |
| --- | --- |
| Name | InternetCustomersInterface |
| Superclass | none |
| Summary | interface for Internet Customers actor |
| Associations | SignupController: 1  BuyAutopartsOnlineController: 1 |
| Operations | customer\_SignUp()  Allows Internet Customers to sign up with their details.  product\_List()  catalogue displays list of all products.  view\_Parts()  Internet Customers can view all the parts in catalogue.  order\_Parts()  Internet Customers can order parts from catalogue. |
| Attributes | None visible |
| Known subclasses | Not yet |
| Comments | Could be implemented in PHP |
| Author | Team 11 |
| Revision and Date | 1.0; 04/06/2014 |

|  |  |
| --- | --- |
| Name | WarehouseWorkerInterface |
| Superclass | none |
| Summary | interface for Warehouse worker actor |
| Associations | DeliverAutopartsController: 1  MaintainInventoryController: 1 |
| Operations | deliver\_Parts()  Warehouse worker packs the orders and ships them to Internet Customers  print\_Packing\_List()  Warehouse worker prints the packing list for completed orders  retrieve\_Parts()  Warehouse worker retrieves order parts from warehouse  pack\_Parts()  Warehouse worker packs auto parts to be shipped  print\_Invoice()  Warehouse worker prints invoice for the parts to be shipped  add\_Invoice()  Warehouse worker adds invoice and shipping label for the parts to be shipped  maintain\_Inventory()  Warehouse worker maintains the auto parts Inventory. |
| Attributes | None visible |
| Known subclasses | Not yet |
| Comments | Could be implemented in PHP |
| Author | Team 11 |
| Revision and Date | 1.0; 04/06/2014 |

|  |  |
| --- | --- |
| Name | CreditCardAuthorizationInterface |
| Superclass | none |
| Summary | interface for Credit card authorization actor |
| Associations | BuyAutopartsOnlineController: 1 |
| Operations | validate\_Card()  Credit card authorization validates credit card details of Internet Customers. |
| Attributes | None visible |
| Known subclasses | Not yet |
| Comments | Could be implemented in PHP |
| Author | Team 11 |
| Revision and Date | 1.0; 04/06/2014 |

|  |  |
| --- | --- |
| Name | AdminInterface |
| Superclass | none |
| Summary | interface for Admin actor |
| Associations | PricingController: 1 |
| Operations | set\_Price()  Admin sets shipping and handling charges for auto parts ordered. |
| Attributes | None visible |
| Known subclasses | Not yet |
| Comments | Could be implemented in PHP |
| Author | Team 11 |
| Revision and Date | 1.0; 04/06/2014 |

|  |  |
| --- | --- |
| Name | ProductDatabaseInterface |
| Superclass | none |
| Summary | interface for Product Database actor |
| Associations | BuyAutopartsOnlineController: 1  MaintainInventoryController: 1 |
| Operations | product\_List()  catalogue displays list of all products. |
| Attributes | None visible |
| Known subclasses | Not yet |
| Comments | Could be implemented in PHP |
| Author | Team 11 |
| Revision and Date | 1.0; 04/06/2014 |

|  |  |
| --- | --- |
| Name | SignupController |
| Superclass | none |
| Summary | Controller class for Sign-up use case |
| Associations | CustomerDetails: 1 |
| Operations | customer\_SignUp()  sets Internet Customers login details in CustomerDetails. |
| Attributes | None visible |
| Known subclasses | Not yet |
| Comments | Could be implemented in PHP |
| Author | Team 11 |
| Revision and Date | 1.0; 04/06/2014 |

|  |  |
| --- | --- |
| Name | BuyAutopartsOnlineController |
| Superclass | none |
| Summary | Controller class for Buy auto parts online use case |
| Associations | CustomerDetails: 1  ProductDatabaseInterface: \*  CreditCardAuthorizationInterface: \*  AutoParts: 1  CCAClient: \* |
| Operations | validate\_Card()  Credit card authorization validates credit card details of Internet Customers in CreditCardAuthorizationInterface  product\_List()  retrieve product list from ProductDatabaseInterface  displays current list of products in InternetCustomersInterface  view\_Parts()  retrieve product list from AutoParts  return current list of products to InternetCustomersInterface  order\_Parts()  Internet Customers can order parts from catalogue using AutoParts  return ordered parts list to InternetCustomersInterface |
| Attributes | None visible |
| Known subclasses | Not yet |
| Comments | Could be implemented in PHP |
| Author | Team 11 |
| Revision and Date | 1.0; 04/06/2014 |

|  |  |
| --- | --- |
| Name | DeliverAutopartsController |
| Superclass | none |
| Summary | Controller class for Deliver auto parts use case |
| Associations | Invoice: 1  WarehouseWorkerInterface: \*  AutoParts: 1  PackingList: 1 |
| Operations | deliver\_Parts()  retrieve packing list in PackingList  return packing list to WarehouseWorkerInterface  Warehouse worker can print packing list in PackingList  Return printed packing list info to WarehouseWorkerInterface  Retrieve auto parts in AutoParts  Pack parts in AutoParts  Return packed auto parts to WarehouseWorkerInterface  Print invoice in Invoice  Add invoice in AutoParts  Retrieve invoice to WarehouseWorkerInterface |
| Attributes | None visible |
| Known subclasses | Not yet |
| Comments | Could be implemented in PHP |
| Author | Team 11 |
| Revision and Date | 1.0; 04/06/2014 |

|  |  |
| --- | --- |
| Name | MaintainInventoryController |
| Superclass | none |
| Summary | Controller class for Maintain Inventory use case |
| Associations | Register: 1  WarehouseWorkerInterface: 1  ProductDatabaseInterface: 1  AutoParts: 1 |
| Operations | maintain\_Inventory()  receive auto parts in AutoParts  return the auto parts to ProductDatabaseInterface  tracks the event in Register  return the information to WarehouseWorkerInterface |
| Attributes | None visible |
| Known subclasses | Not yet |
| Comments | Could be implemented in PHP |
| Author | Team 11 |
| Revision and Date | 1.0; 04/06/2014 |

|  |  |
| --- | --- |
| Name | PricingController |
| Superclass | none |
| Summary | Controller class for Maintain Inventory use case |
| Associations | Charges: 1  AdminInterface: \* |
| Operations | set\_Price()  admin logs in AdminInterface  returns the list of products ordered in AdminInterface  admin sets shipping and handling charges in Charges |
| Attributes | None visible |
| Known subclasses | Not yet |
| Comments | Could be implemented in PHP |
| Author | Team 11 |
| Revision and Date | 1.0; 04/06/2014 |

|  |  |
| --- | --- |
| Name | CustomerDetailsEntity |
| Superclass | none |
| Summary | Entity for CustomerDetails |
| Associations | AutoParts: \*  AdminInterface: \* |
| Operations | set\_Details()  sets login details of Internet customers |
| Attributes | None visible |
| Known subclasses | Not yet |
| Comments | Could be implemented in PHP |
| Author | Team 11 |
| Revision and Date | 1.0; 04/06/2014 |

|  |  |
| --- | --- |
| Name | AutoPartsEntity |
| Superclass | none |
| Summary | Entity for AutoParts |
| Associations | Register: 1  Invoice: 1  Charges: 1 |
| Operations | view\_Parts()  Internet Customers can view all the parts in catalogue.  order\_Parts()  Internet Customers can order parts from catalogue.  retrieve\_Parts()  Warehouse worker retrieves order parts from warehouse  pack\_Parts()  Warehouse worker packs auto parts to be shipped  add\_Invoice()  Warehouse worker adds invoice and shipping label for the parts to be shipped  receive\_Auto\_Parts()  receive auto parts in AutoParts |
| Attributes | None visible |
| Known subclasses | Not yet |
| Comments | Could be implemented in PHP |
| Author | Team 11 |
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|  |  |
| --- | --- |
| Name | CCAClientEntity |
| Superclass | none |
| Summary | Entity for CCAClient |
| Associations | PackingList: 1 |
| Operations | get\_Card\_Details()  get credit card details from Internet customers for credit card authorization |
| Attributes | None visible |
| Known subclasses | Not yet |
| Comments | Could be implemented in PHP |
| Author | Team 11 |
| Revision and Date | 1.0; 04/06/2014 |

|  |  |
| --- | --- |
| Name | PackingListEntity |
| Superclass | none |
| Summary | Entity for PackingList |
| Associations | AutoParts: \* |
| Operations | print\_Packing\_List()  Warehouse worker prints the packing list for completed orders |
| Attributes | None visible |
| Known subclasses | Not yet |
| Comments | Could be implemented in PHP |
| Author | Team 11 |
| Revision and Date | 1.0; 04/06/2014 |

|  |  |
| --- | --- |
| Name | InvoiceEntity |
| Superclass | none |
| Summary | Entity for Invoice |
| Associations | AutoParts: 1 |
| Operations | print\_Invoice()  Warehouse worker prints invoice for the parts to be shipped |
| Attributes | None visible |
| Known subclasses | Not yet |
| Comments | Could be implemented in PHP |
| Author | Team 11 |
| Revision and Date | 1.0; 04/06/2014 |

|  |  |
| --- | --- |
| Name | RegisterEntity |
| Superclass | none |
| Summary | Entity for Register |
| Associations | none |
| Operations | track\_Event()  Warehouse workers receives new auto parts at receiving desk and added to the inventory then event will be recorded |
| Attributes | None visible |
| Known subclasses | Not yet |
| Comments | Could be implemented in PHP |
| Author | Team 11 |
| Revision and Date | 1.0; 04/06/2014 |

|  |  |
| --- | --- |
| Name | ChargesEntity |
| Superclass | none |
| Summary | Entity for Charges |
| Associations | CCAClient: 1 |
| Operations | set\_Charge()  admin sets shipping and handling charges in Charges |
| Attributes | None visible |
| Known subclasses | Not yet |
| Comments | Could be implemented in PHP |
| Author | Team 11 |
| Revision and Date | 1.0; 04/06/2014 |