

## Candidate Classes

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|--|--|--|--|
| <b>Account</b> <ul style="list-style-type: none"> <li>-AccountID</li> <li>-LastLogInTime</li> <li>-OpenDate</li> <li>-CloseDate</li> <li>-Address</li> <li>-LoginID</li> <li>-Password</li> <li>-NameOnTheAccount</li> </ul> <hr/> <ul style="list-style-type: none"> <li>-get_account()</li> <li>-set_account()</li> <li>-IsValidAccount()</li> </ul>   | <b>Customer</b> <ul style="list-style-type: none"> <li>-CustomerID</li> <li>-CustomerName</li> <li>-CustomerPhoneNo</li> <li>-CustomerEmail</li> <li>-CustomerAddress</li> <li>-SSN</li> <li>-PaymentInformation</li> <li>-AccountID</li> </ul> <hr/> <ul style="list-style-type: none"> <li>-get_customerID()</li> <li>-set_customerID()</li> <li>-Login()</li> <li>-Logout()</li> <li>+placeOrders()</li> <li>-UpdateOrders()</li> <li>-UpdateAccount()</li> </ul> | <b>Payment</b> <ul style="list-style-type: none"> <li>-Amount</li> </ul> <hr/> <ul style="list-style-type: none"> <li>-get_payment()</li> <li>-IsValid()</li> </ul>  | <b>E-Check</b> <ul style="list-style-type: none"> <li>-Agency</li> <li>-AccountNo</li> <li>-RoutingNo</li> <li>-NameOfTheBank</li> </ul> <hr/> <ul style="list-style-type: none"> <li>-get_echeckDetails()</li> <li>-set()</li> <li>-IsValidAccountNo()</li> <li>-IsValidRoutingNo()</li> <li>-IsValidCheckNo()</li> </ul> |
| <b>SalesOrder</b> <ul style="list-style-type: none"> <li>-OrderID</li> <li>-OrderQuantity</li> <li>-ProductID</li> <li>-ProductName</li> <li>-UnitCost</li> <li>-TotalAmount</li> </ul> <hr/> <ul style="list-style-type: none"> <li>+get_salesOrder()</li> <li>+set_salesOrder()</li> </ul>   | <b>ShipmentLabel</b> <ul style="list-style-type: none"> <li>-LabelID</li> <li>-ShippingDate</li> <li>-ShippingAddress</li> <li>-ProductName</li> <li>-ShippingFees</li> <li>-TotalCost</li> </ul> <hr/> <ul style="list-style-type: none"> <li>+get_shipmentLabel()</li> <li>+set_shipmentLabel()</li> <li>+get_shipmentDate()</li> <li>+set_shipmentDate()</li> <li>+get_shipmentAddr()</li> <li>+set_shipmentAddr()</li> </ul>                                     | <b>CreditCard</b> <ul style="list-style-type: none"> <li>-CardNo</li> <li>-SecurityNo</li> <li>-CardType</li> <li>-CardHolderName</li> </ul> <hr/> <ul style="list-style-type: none"> <li>-get_cardDetails()</li> <li>-set_cardDetails()</li> <li>-IsValidCard()</li> <li>-IsValidCardHolder()</li> </ul>  | <b>SalesOrderPickList</b> <ul style="list-style-type: none"> <li>-ProductID</li> <li>-ProductName</li> <li>-NoOfProducts</li> <li>-ShippingAddress</li> </ul> <hr/> <ul style="list-style-type: none"> <li>+get_salesOrderPickList()</li> <li>+set_salesOrderPickList()</li> </ul>   |
| <b>ShippingAddress</b> <ul style="list-style-type: none"> <li>-Street</li> <li>-City</li> <li>-State</li> <li>-ZipCode</li> </ul> <hr/> <ul style="list-style-type: none"> <li>+get_shippingAddress()</li> <li>+set_shippingAddress()</li> </ul>   | <b>Address</b> <ul style="list-style-type: none"> <li>-Street</li> <li>-City</li> <li>-State</li> <li>-ZipCode</li> </ul> <hr/> <ul style="list-style-type: none"> <li>+get_Address()</li> <li>+set_Address()</li> </ul>   | <b>BillingAddress</b> <ul style="list-style-type: none"> <li>-Street</li> <li>-City</li> <li>-State</li> <li>-ZipCode</li> </ul> <hr/> <ul style="list-style-type: none"> <li>+get_billingAddress()</li> <li>+set_billingAddress()</li> </ul>  |  |
| <b>Employee</b> <ul style="list-style-type: none"> <li>-EmpID</li> <li>-EmpFirstName</li> <li>-EmpLastName</li> <li>-EmpAddr</li> <li>-EmpEmail</li> <li>-EmpPhoneNo</li> <li>-EmpDesignation</li> <li>-DepartmentName</li> <li>-ServiceTime</li> <li>-DateOfJoining</li> </ul> <hr/> <ul style="list-style-type: none"> <li>-get_EmpID()</li> <li>-set_EmpID()</li> <li>-get()</li> <li>-set()</li> </ul> | <b>Manager</b> <ul style="list-style-type: none"> <li>-EmpID</li> <li>-EmpDesignation</li> <li>-ManagerID</li> </ul> <hr/> <ul style="list-style-type: none"> <li>-get_EmpID()</li> <li>-set_EmpID()</li> <li>-get_managerID()</li> <li>-set_managerID()</li> </ul>  | <b>PickingAndShipmentStaff</b> <ul style="list-style-type: none"> <li>-EmpID</li> <li>-EmpFirstName</li> <li>-EmpLastName</li> </ul> <hr/> <ul style="list-style-type: none"> <li>-get_EmpID()</li> <li>-set_EmpID()</li> <li>-get_salesRep()</li> <li>-set_salesRep()</li> </ul>  | <b>SalesRepresentative</b> <ul style="list-style-type: none"> <li>-EmpID</li> <li>-EmpFirstName</li> <li>-EmpLastName</li> </ul> <hr/> <ul style="list-style-type: none"> <li>-get_EmpID()</li> <li>-set_EmpID()</li> <li>-get_salesRep()</li> <li>-set_salesRep()</li> </ul>  |
| <b>Inventory</b> <ul style="list-style-type: none"> <li>-InventoryID</li> <li>-InventoryAddress</li> </ul> <hr/> <ul style="list-style-type: none"> <li>+get_salesOrderList()</li> <li>+set_products()</li> </ul>  | <b>WarehouseStaff</b> <ul style="list-style-type: none"> <li>-EmpID</li> <li>-EmpFirstName</li> <li>-EmpLastName</li> </ul> <hr/> <ul style="list-style-type: none"> <li>+get_warehouseStaff()</li> <li>+set_warehouseStaff()</li> <li>+get_salesOrderList()</li> <li>+set_shipmentList()</li> </ul>   | <b>SalesReport</b> <ul style="list-style-type: none"> <li>-ReportID</li> <li>-NoOfProducts</li> <li>-TotalAmount</li> <li>-ProductID</li> <li>-ProductName</li> <li>-UnitCost</li> <li>-Quantity</li> </ul> <hr/> <ul style="list-style-type: none"> <li>+get_report()</li> <li>+set_report()</li> <li>+get_salesProfitreport()</li> <li>+get_salesLossreport()</li> </ul> | <b>&lt;&lt;Utility Object&gt;&gt; System</b> <ul style="list-style-type: none"> <li>-Validate</li> <li>-Notification</li> <li>-Generate</li> <li>-Produce</li> <li>-Update</li> <li>-memberName</li> </ul>   |
| <b>ShoppingCart</b> <ul style="list-style-type: none"> <li>-Productname</li> <li>-ProductID</li> <li>-ItemQuantity</li> <li>-UnitCost</li> <li>-TotalPrice</li> </ul> <hr/> <ul style="list-style-type: none"> <li>+get_productName()</li> <li>+get_totalPrice()</li> <li>+set_itemQuantity()</li> <li>+get_unitCost()</li> </ul>  |  |  |  |

## Class Diagram

