Receiving

# ERD for UX process

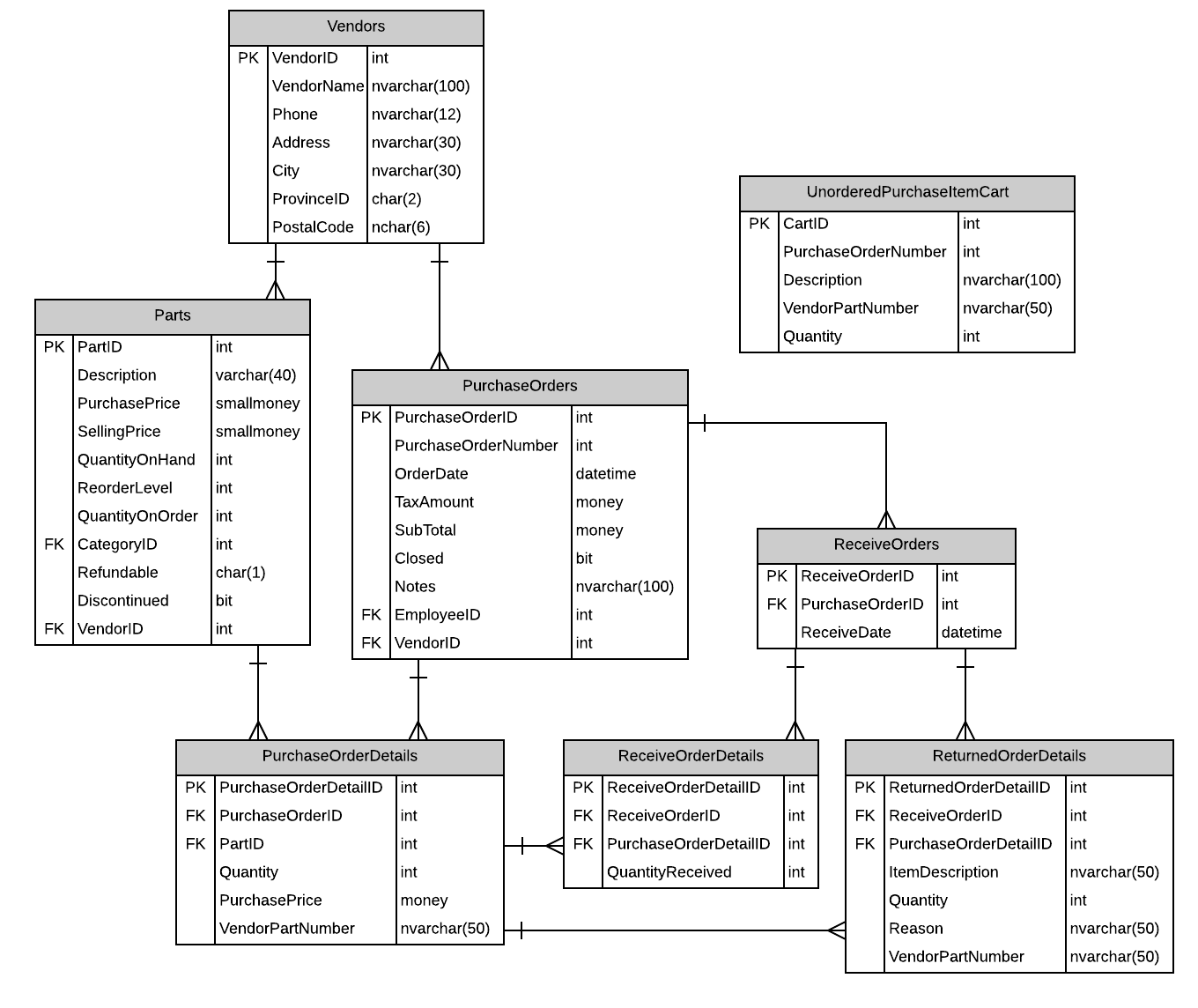


Figure 1 ERD for Receiving Database

# Possible UX Interface

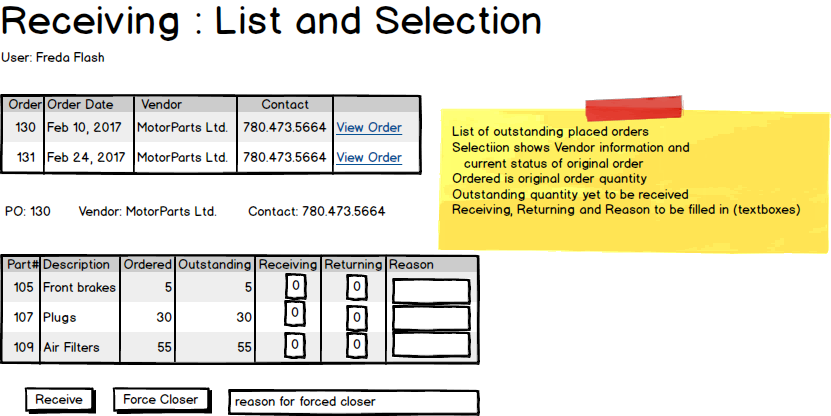


Figure 2 Open Order Selection List with a selected order

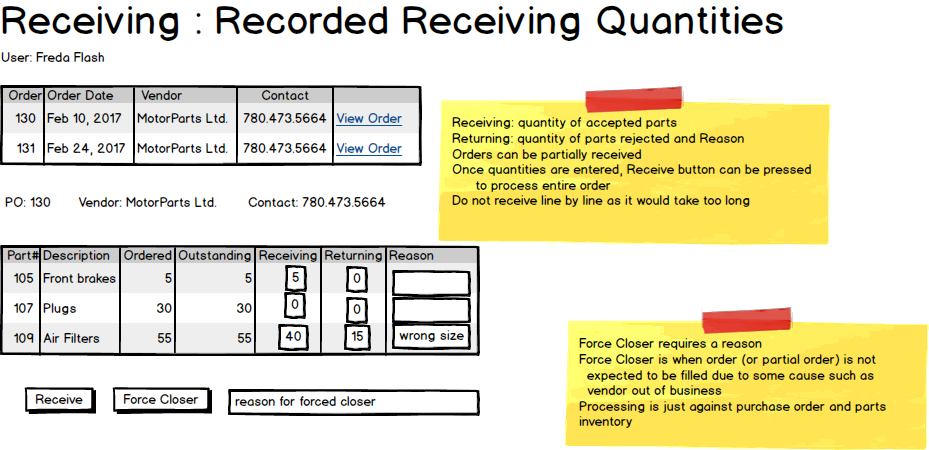


Figure 3 Receiving a partial order

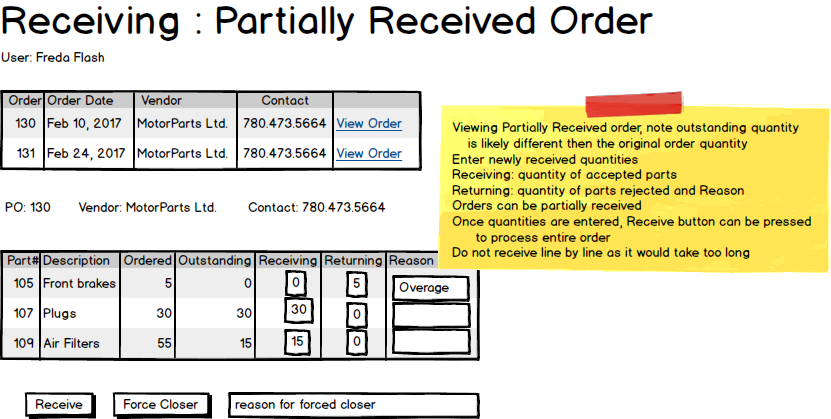


Figure 4 Receiving additional parts to an order already partially received

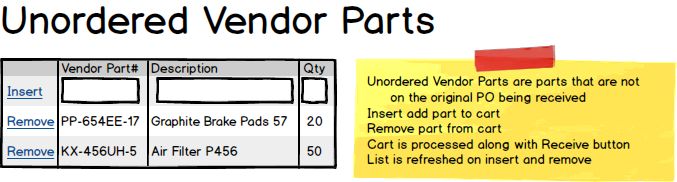


Figure 5 Tracking unordered vendor parts shipped with an order which will be returned

|  |  |  |
| --- | --- | --- |
| **Controls** | | **Events** |
| OutstandingOrdersListView | | None / wired via ODS |
| **BBL Class(es) and Method (s)** | | |
| PurchaseOrderController | List<PurchaseOrder> PurchaseOrders\_ListOutstandingOrders  Gets a list of orders that are **not** closed, has a order date and a Purchase Order Number | |
| **SQL Table(s): (C,R,U,D)** | | **Entities/DTOs/POCOs** |
| PurchaseOrders(R) | | OutstandingPurchaseOrders(D) |

# Event and Wiring Summations

|  |  |  |
| --- | --- | --- |
| **Controls** | | **Events** |
| ViewOrderTextLink | | OnClick()   * Display Selected Order info in a string * Display ReceiveBtn, * Display ForceCloserBtn, and ForceCloseReasonTextBox if Management role * Call BLL * Bind Returned Data to OutstandingOrderDetailsListView |
| **BBL Class(es) and Method (s)** | | |
| PurchaseOrderDetailsController | List<Part> PurchaseOrderDetails\_ListOrderDetailsByOrder(int purchaseOrderID)  Retrieve a list of parts on the order id supplied | |
| **SQL Table(s): (C,R,U,D)** | | **Entities/DTOs/POCOs** |
| PurchaseOrders(R), PurchaseOrderDetails (R) | | OutstandingPurchaseOrderDetails (P) |

|  |  |  |
| --- | --- | --- |
| **Controls** | | **Events** |
| ReceiveBtn | | OnClick()   * Validate data * Call BLL * Bind OutstandingOrderDetailsListView |
| **BBL Class(es) and Method (s)** | | |
| PurchaseOrderController | int PurchaseOrder\_Receive  Update the order with the Shipping Sheet info | |
| **SQL Table(s): (C,R,U,D)** | | **Entities/DTOs/POCOs** |
| PurchaseOrders(R,U), ReceiveOrders(C), ReceiveOrderDetails(C), Parts(U), ReturnOrderDetails(C), UnorderedPurchaseItemCart (D) | | ReceivedPurchaseOrder (D) |

|  |  |  |
| --- | --- | --- |
| **Controls** | | **Events** |
| ForceCloserBtn | | OnClick()   * Validate data * Call BLL * Bind data to OutstandingOrdersListView |
| **BBL Class(es) and Method (s)** | | |
| PurchaseOrderController | int PurchaseOrder\_ForceClose(int purchaseOrderID, string notes)  Sets the desired PO to closed and adds the notes explaining the force close | |
| **SQL Table(s): (C,R,U,D)** | | **Entities/DTOs/POCOs** |
| PurchaseOrders(U), Parts(U), PurchaseOrderDetails(R) | | PurchaseOrder(E), Part(E) |

|  |  |  |
| --- | --- | --- |
| **Controls** | | **Events** |
| InsertCartItemBtn | | OnClick()   * Validate data * Call BLL * Bind data to UnorderedCartListView |
| **BBL Class(es) and Method (s)** | | |
| UnorderedPurchaseItemCartController | int UnorderedPurchaseItemCart\_AddItem(UnorderedPurchaseItemCart item)  Adds an Unordered Item to the Cart | |
| **SQL Table(s): (C,R,U,D)** | | **Entities/DTOs/POCOs** |
| UnorderedPurchaseItemCart(R,U) | | UnorderedPurchaseItemCart (E) |

|  |  |  |
| --- | --- | --- |
| **Controls** | | **Events** |
| RemoveCartItemBtn | | OnClick()   * Validate data * Call BLL * Bind data to UnorderedCartListView |
| **BBL Class(es) and Method (s)** | | |
| UnorderedPurchaseItemCartController | int UnorderedPurchaseItemCart\_RemoveItem(int id)  Deletes an item from the unordered cart | |
| **SQL Table(s): (C,R,U,D)** | | **Entities/DTOs/POCOs** |
| UnorderedPurchaseItemCart(R,D) | | UnorderedPurchaseItemCart (E) |