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# Casual Use Case Specification: UC14 -- Maintain Purchase order

# Brief Description:

# This use case enables project manager and warehouse staff to maintain information of purchase order

# Section 1: Business Rule(s):

BR 17: Once the project manager has sent out purchase orders, they must contact suppliers by phone if there is no response in 24 hours.

BR18: Every purchase Order must be identified by a unique purchase Order ID.

BR 19: All purchase orders must be confirmed by the project manager.

# Section 2: Scenarios (HD):

**Scenario 1: Add a purchase order without errors**

# Preconditions: Warehouse staff is logged in and supplier menu is displayed. Prompts to display a supplier list.

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| **Step#** | **Actor (warehouse staff)** | **System** | **Data Used** |
| 1 | Selects to display a supplier list | Displays a supplier list including supplier code, supplier name, supplier email, supplier phone number, and supplier address  Prompts choose a supplier | **SupplierList**  supplierCode  supplierName  supplierEmail  supplierPhoneNumber  supplierAddress |
| 2 | Selects a supplier | Displays a supplier including supplier code, supplier name, supplier email, supplier phone number, and supplier address  Prompts to add a purchase order | **Supplier**  supplierCode  supplierName  supplierEmail  supplierPhoneNumber  supplierAddress  purchaseOrderDetailSet: PurchaseOrderDetail |
| 3 | Selects to add a purchase order | display a list of products including product code, product name, inventory amount, vendor, product price  Prompts to select a product | **ProductList**  productCode  productName  productPrice  vendor  inventoryAmount |
| loop | Select a product | Display product form including product code, product name, inventory amount, vendor, product price  Prompt to enter order amount | **Product**  productCode  productName  productPrice  vendor  inventoryAmount  productOrder: ProductOrder |
| 5 | Enters order amount | Data Validation:  Order amount is less than or equal to inventory amount    Data is valid and saved      Prompts to exit | **productOrder**  productOrderCode  orderAmount  PurchaseOrderDetailSet  : PurchaseOrderDetail |
| end | Until exit is selected | Display purchase order detail form including purchase order detail code, author, date, supplier name, list of product requested, total price    Prompt to exit | **PurchaseOrder**  purchaseOrderCode  date  supplier: Supplier  productOrderDtlSet: ProductOrderDtl  PurchaseOrderDtl  purchaseOrder: PurchaseOrder  product: Product  quantity |
| 7 | Chooses to exit | Display a supplier list  Prompts to add more purchase order or exit | **SupplierList**  supplierCode  supplierName  supplierEmail  supplierPhoneNumber  supplierAddress |
| 8 | Chooses to exit | Display the main menu |  |

**Successful Post-Conditions: purchase order is added to the database**

**Scenario 2: change a purchase order without errors**

**Preconditions: warehouse staff is logged in and supplier menu is displayed.**

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| **Step#** | **Actor (warehouse staff)** | **System** | **Data Used** |
| 1 | Selects to display a supplier list | Displays a supplier list including supplier code, supplier name, supplier email, supplier phone number, and supplier address  Prompts choose a supplier |  |
| 2 | Selects a supplier | Displays a supplier including supplier code, supplier name, supplier email, supplier phone number, and supplier address  Prompts to select a purchase order to change |  |
| 3 | Selects to change a purchase order | display a list of products including product code, product name, inventory amount, vendor, product price  Prompts to select a product for change |  |
| loop | Select a product to change | Display product form including product code, product name, quantity, product price  Prompt to enter order amount  for change |  |
| 5 | Change of the following:  quantity | Data Validation:  Order amount is less than or equal to inventory amount    Data is valid and saved      Prompts to exit |  |
| end | Until exit is selected | Display purchase order detail form including purchase order detail code, author, date, supplier name, list of product requested, total price    Prompt to exit |  |
| 7 | Chooses to exit | Display a supplier list  Prompts to change more purchase order or exit |  |
| 8 | Chooses to exit | Display the main menu |  |

**Successful Post-Conditions: purchase order is changed to the database.**