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| **表格名稱** | 中文: 採購單  英文: PurchaseOrders | | **索引鍵** |  | |
| **主鍵** | campaign\_id | | **外來鍵** | Supplier\_ID ->supplier\_ID(suppliers)  creator\_id -> mem(memid) | |
| **欄位編號** | **欄位名稱** | **欄位敘述** | **資料型態** | **欄位長度** | **備註** |
| 1 | Purchaseorder\_ID | 採購單ID | INT |  | Not Null(PK) |
| 2 | Supplier\_ID | 供應商ID | INT |  | FK |
| 3 | RequiredDate | 預計到貨日期 | DATETIME |  |  |
| 4 | Status | 採購單狀態 | NVARCHAR | 20 |  |
| 5 | Creator\_id | 建立此採購單的員工ID | INT |  | FK |
| 6 | Create\_date | 採購單建立日期 | DATETIME |  |  |
| 7 | Update\_date | 採購單更新日期 | DATETIME |  |  |
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| **表格名稱** | 中文: 採購明細  英文: Purchaseorder\_details | | **索引鍵** |  | |
| **主鍵** | Purchaseorderdetail\_ID | | **外來鍵** | Purchaseorder\_ID -> Purchaseorder\_ID (PurchaseOrders)  Product\_ID -> Product\_ID (Products) | |
| **欄位編號** | **欄位名稱** | **欄位敘述** | **資料型態** | **欄位長度** | **備註** |
| 1 | Purchaseorderdetail\_ID | 採購明細ID | INT |  | Not Null(PK) |
| 2 | Purchaseorder\_ID | 採購單ID | INT |  | FK |
| 3 | Product\_ID | 產品ID | INT |  | FK |
| 4 | Quantity | INT | INT |  |  |
| 5 | Unit\_price | 採購單價 | DECIMAL | (10,2) |  |
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| **表格名稱** | 中文: 供應商  英文: Suppliers | | **索引鍵** |  | |
| **主鍵** | Supplier\_ID | | **外來鍵** |  | |
| **欄位編號** | **欄位名稱** | **欄位敘述** | **資料型態** | **欄位長度** | **備註** |
| 1 | Supplier\_ID | 供應商ID | INT |  | Not Null(PK) |
| 2 | Supplier\_Name | 供應商名稱 | NVARCHAR | 20 |  |
| 3 | Contact\_Person | 聯絡人姓名 | NVARCHAR | 20 |  |
| 4 | Contact\_Email | 聯絡人電子郵件 | NVARCHAR | 100 |  |
| 5 | Contact\_Phone | 聯絡人電話 | NVARCHAR | 20 |  |
| 6 | Notes | 備註 | NVARCHAR | 100 |  |
| 7 | Create\_date | 供應商資料建立日期 | DATETIME |  |  |
| 8 | Update\_date | 供應商資料最後更新日期 | DATETIME |  |  |
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| **表格名稱** | 中文: 供應商產品  英文: SupplierProducts | | **索引鍵** |  | |
| **主鍵** | Supplierproduct\_ID | | **外來鍵** | Supplier\_ID ->supplier\_ID(suppliers)  Product\_ID -> Product\_ID (Products) | |
| **欄位編號** | **欄位名稱** | **欄位敘述** | **資料型態** | **欄位長度** | **備註** |
| 1 | Supplierproduct\_ID | 供應商產品ID | INT |  | Not Null(PK) |
| 2 | Supplier\_ID | 供應商ID | INT |  | FK |
| 3 | Product\_ID | 產品ID | INT |  | FK |
| 4 | Notes | 備註 | NVARCHAR | 100 |  |
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