Table: Staff

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column Name | Type (Length) | Null? | Key | Description |
| StaffID | Integer (10) | No | Primary Key | Unique ID for staff.  Format: 10001  (10001 – 9999999999) |
| AccountID | Integer (10) | No | Foreign Key | Refer to AccountID of Account table. |
| StaffName | Varchar (30) | No |  | Name of the staff. |
| DateOfBirth | Date | No |  | Birthday of the staff. |
| Department | Varchar (20) | No |  | Department of the staff. |
| Position | Varchar (20) | No |  | Position of the staff. |

Table: Account

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column Name | Type (Length) | Null? | Key | Description |
| AccountID | Integer (10) | No | Primary Key | Unique ID for staff’s login account.  Format: 10001  (10001 – 9999999999) |
| Username | Varchar (20) | No |  | Username of the account. |
| Password | Varchar (20) | No |  | Password of the account. Default as staff’s DOB. |
| Email | Varchar (30) | No |  | Contact email. |
| AccountCreateDate | Date | Yes |  | Log for recording the time of the creation of the account. |
| AccountLoginTime | TimeStamp | Yes |  | Log for recording the time of the last login of the account. |

Table: Customer

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column Name | Type (Length) | Null? | Key | Description |
| CustomerID | Integer (10) | No | Primary Key | Unique ID for the customer.  Format: 10001  (10001 – 9999999999) |
| Name | Varchar (20) | No |  | The name of the customer. |
| Address | Varchar (100) | No |  | The address of the customer. |
| Phone | Integer (8) | No |  | The phone number of the customer. |

Table: SalesOrder

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column Name | Type (Length) | Null? | Key | Description |
| SalesOrderID | Integer (10) | No | Primary Key | Unique ID for the sales order.  Format: 10001  (10001 – 9999999999) |
| AccountID | Integer (10) | No | Foreign Key | Refer to AccountID of Account table. |
| Date | Date | No |  | Sales order create date. |
| CustomerID | Integer (10) | Yes | Foreign Key | Refer to CustomerID of Customer table. |

Table: SalesReceipt

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column Name | Type (Length) | Null? | Key | Description |
| ReceiptID | Integer (10) | No | Primary Key | Unique ID for the sales receipt.  Format: 10001  (10001 – 9999999999) |
| SalesOrderID | Integer (10) | No | Foreign Key | Refer to SalesOrderID of SalesOrder table. |
| Quantity | Integer (10) | No |  | The quantity of the goods. |
| Price | Integer (10) | No |  | The price of the goods |
| PaymentType | Varchar (10) | No |  | The payment type selected by the customer. |
| CustomerID | Integer (10) | No | Foreign Key | Refer to CustomerID of Customer table. |

Table: DeliveryNote

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column Name | Type (Length) | Null? | Key | Description |
| DeliveryID | Integer (10) | No | Primary Key | Unique ID for the delivery note.  Format: 10001  (10001 – 9999999999) |
| SalesOrderID | Integer (10) | No | Foreign Key | Refer to SalesOrderID of SalesOrder table. |
| DeliveryDate | Date | Yes |  | The date of the delivery. |
| DeliveryTime | TimeStamp | Yes |  | The time of the delivery. |
| CustomerID | Integer (10) | No | Foreign Key | Refer to CustomerID of Customer table. |

Table: InstallationOrder

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column Name | Type (Length) | Null? | Key | Description |
| InstallationID | Integer (10) | No | Primary Key | Unique ID for installation order.  Format: 10001  (10001 – 9999999999) |
| SalesOrderID | Integer (10) | No | Foreign Key | Refer to SalesOrderID of SalesOrder table. |
| InstallationDate | Date | Yes |  | The date of the installation. |
| InstallationTime | TimeStamp | Yes |  | The time of the installation. |
| CustomerID | Integer (10) | No | Foreign Key | Refer to CustomerID of Customer table. |

Table: Item

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column Name | Type (Length) | Null? | Key | Description |
| ItemID | Integer (10) | No | Primary Key | Unique ID for the item.  Format: 10001  (10001 – 9999999999) |
| Name | Varchar(20) | No |  | The name of the item. |
| Description | Varchar(50) | Yes |  | The description of the item. |
| Quantity | Integer (10) | No |  | The quantity of the item. |
| SerialNum | Integer (10) | Yes |  | The serial number of the item. |

Table: Item\_SalesOrder

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column Name | Type (Length) | Null? | Key | Description |
| ItemID | Integer (10) | No | Primary Key Foreign Key | Refer to ItemID of Item table. |
| SalesOrderID | Integer (10) | No | Primary Key Foreign Key | Refer to SalesOrderID of SalesOrder table. |

Table: RestockRequest

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column Name | Type (Length) | Null? | Key | Description |
| RestockRequestID | Integer (10) | No | Primary Key | Unique ID for restock request.  Format: 10001  (10001 – 9999999999) |
| AccountID | Integer (10) | No | Foreign Key | Refer to AccountID of Account table. |
| RequestDate | Date | No |  | The date of the restock request. |
| RequestTime | TimeStamp | No |  | The time of the restock request. |

Table: RestockRequest\_Item

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column Name | Type (Length) | Null? | Key | Description |
| RestockRequestID | Integer (10) | No | Primary Key Foreign Key | Refer to RestockRequestID of RestockRequest table. |
| ItemID | Integer (10) | No | Primary Key Foreign Key | Refer to ItemID of Item table. |

Table: Supplier

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column Name | Type (Length) | Null? | Key | Description |
| SupplierID | Integer (10) | No | Primary Key | Unique ID for the supplier.  Format: 10001  (10001 – 9999999999) |
| Name | Varchar(20) | No |  | The name of the supplier. |

Table: GoodsReturnNote

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column Name | Type (Length) | Null? | Key | Description |
| ReturnID | Integer (10) | No | Primary Key | Unique ID for goods return note.  Format: 10001  (10001 – 9999999999) |
| SalesOrderID | Integer (10) | No | Foreign Key | Refer to SalesOrderID of SalesOrder table. |
| SupplierID | Integer (10) | No | Foreign Key | Refer to SupllierID of Supplier table. |

Table: GoodsReturnNote\_Item

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column Name | Type (Length) | Null? | Key | Description |
| ReturnID | Integer (10) | No | Primary Key Foreign Key | Refer to ReturnID of GoodsReturnNote table. |
| ItemID | Integer (10) | No | Primary Key Foreign Key | Refer to ItemID of Item table. |

Table: GoodsReceivedNote

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column Name | Type (Length) | Null? | Key | Description |
| ReceivedID | Integer (10) | No | Primary Key | Unique ID for goods received note.  Format: 10001  (10001 – 9999999999) |
| InboundDate | Date | No |  | The inbound date of the goods. |
| InboundTime | TimeStamp | No |  | The inbound time of the goods. |
| SupplierID | Integer (10) | No | Foreign Key | Refer to SupllierID of Supplier table. |

Table: GoodsReceivedNote\_Item

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column Name | Type (Length) | Null? | Key | Description |
| ReceivedID | Integer (10) | No | Primary Key Foreign Key | Refer to ReceivedID of GoodsReceivedNote table. |
| ItemID | Integer (10) | No | Primary Key Foreign Key | Refer to ItemID of Item table. |

Table: ReorderRequest

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column Name | Type (Length) | Null? | Key | Description |
| ReorderRequestID | Integer (10) | No | Primary Key | Unique ID for reorder request.  Format: 10001  (10001 – 9999999999) |
| AccountID | Integer (10) | No | Foreign Key | Refer to AccountID of Account table. |
| RequestDate | Date | No |  | The date of the reorder request. |
| RequestTime | TimeStamp | No |  | The time of the reorder request. |

Table: PurchaseOrder

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column Name | Type (Length) | Null? | Key | Description |
| PurchaseOrder ID | Integer (10) | No | Primary Key | Unique ID for the purchase order.  Format: 10001  (10001 – 9999999999) |
| ReorderRequestID | Integer (10) | No | Foreign Key | Refer to ReorderRequestID of ReorderRequest table. |
| Quantity | Integer (10) | No |  | The quantity of the purchase order. |
| Price | Integer (10) | No |  | The price of the purchase order. |

Table: PurchaseOrder \_Item

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column Name | Type (Length) | Null? | Key | Description |
| PurchaseOrderID | Integer (10) | No | Primary Key Foreign Key | Refer to PurchaseOrderID of PurchaseOrder table. |
| ItemID | Integer (10) | No | Primary Key Foreign Key | Refer to ItemID of Item table. |

Table: PurchaseOrder \_Supplier

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Column Name | Type (Length) | Null? | Key | Description |
| PurchaseOrderID | Integer (10) | No | Primary Key Foreign Key | Refer to PurchaseOrderID of PurchaseOrder table. |
| SupplierID | Integer (10) | No | Primary Key Foreign Key | Refer to SupplierID of Supplier table. |