Database Management

Table Name: Employee

|  |  |  |  |
| --- | --- | --- | --- |
| Full Name | Description | Field Type/Size | Attribute |
| * EmpID | LoginID | Varchar (16) | Required |
| Password | User Password | Varchar (32) | Required |
| FirstName | First Name | Varchar (20) | Required |
| MiddleName | Middle Initials | Varchar (30) | Optional |
| LastName | Last Name | Varchar (30) | Required |
| DepartmentID | Department ID | Int | Required (Foreign Key for Department table) |
|  |  |  |  |

Table Name: Department

|  |  |  |  |
| --- | --- | --- | --- |
| Field Name | Description | Field Type/Size | Attributes |
| * DepartmentID | DepartmentID | Int | Required |
| DepartmentDescription | DepartmentDescription | Varchar (60) | Required |
|  |  |  |  |

Table Name: Customer

|  |  |  |  |
| --- | --- | --- | --- |
| First Name | Description | Field Type/Size | Attributes |
| * CustomerID | Customer ID | Char (16) | Required |
| CompanyName | Company Name | Varchar (50) | Required |
| CompanyTitle | Contact Title | Varchar (5) | Required |
| ContactFirstName | Contact First Name | Varchar (20) | Required |
| ContactLastName | Contact Last Name | Varchar (50) | Required |
|  |  |  |  |

Table Name: Product

|  |  |  |  |
| --- | --- | --- | --- |
| First Name | Description | Field Type/Size | Attributes |
| * ProductID | Product ID | Int | Required |
| ProductDescription | Product Description | Varchar (50) | Required |
| UnitCost | Unit Cost | Money | Required |
| QuantityInStock | Quantity In Stock | Int | Required (Must Not Be Less Than 0) |
| Restocking Level | RestockingLevel | Int | Required (Must Not Be Greater Than 0) |
|  |  |  |  |

Table: Sales

|  |  |  |  |
| --- | --- | --- | --- |
| First Name | Description | Field Type/Size | Attributes |
| SalesID | Sales ID | Int | Required |
| CustomerID | Customer ID | Varchar(16) | Required (Foreign Key for customer table) |
| EmployeeID | Employee ID | Varchar (16) | Required (Foreign Key for Employee table) |
| SaleDate | Sale Date | Date Time | Required |
| SaleTotal | SaleTotal | Money | Required |

Table: Sales Detail

|  |  |  |  |
| --- | --- | --- | --- |
| First Name | Description | Field Type/Size | Attributes |
| SaleID | Sale ID | Int | Required (Foreign Key for Sale table) |
| ProductID | Product ID | Int | Required (Foreign Key for Product table) |
| UnitCost | Unit Cost | Money | Required (May override the unit cost in the Product table) |
| Quantity | Quantity | Int | Required (There must be sufficicent in Stock before the sale can be completed). |