**DBMS Project (Database Management System Project)**

**Sale Management System**

I- Create table as and Data Dictionary as bellow:

1.1- TblProductType

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **FieldName** | **Data type** | **PK or FK** | **Field Size** | **Format** | **Input Mask** | **Validation Rule** | **Validation Text** | **Caption** | **Require** | **Default** |
| ProTypeCode | Number | PK |  | 000 |  |  |  | Product Type Code | Yes |  |
| ProTypeName | Short Text |  | 15 |  |  |  |  | Pdhyroduct Type Name | Yes |  |
| Description | Short Text |  | 100 |  |  |  |  |  | No |  |
| Image | Attachment |  |  |  |  |  |  |  | No |  |

1.2- TblProduct

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **FieldName** | **Data type** | **PK or FK** | **Field Size** | **Format** | **Input Mask** | **Validation Rule** | **Validation Text** | **Caption** | **Require** | **Default** |
| ProCode | Number | PK |  |  |  |  |  | Product Code | Yes |  |
| ProName | Short Text |  | 15 |  |  |  |  | Product Name | Yes |  |
| ED | Date/Time |  |  |  |  |  |  | Expire Date | Yes |  |
| Qty\_In | Number |  |  |  |  |  |  | Quantity In | Yes |  |
| Price\_In | Currency |  |  |  |  |  |  | Price In | Yes |  |
| Price\_Out | Currency |  |  |  |  |  |  | Price Out | Yes |  |
| Amount\_In | Calculated |  |  | [Qty\_In] \* [Price\_In] | | | | |  |  |
| Amount\_Out | Calculated |  |  | [Qty\_In] \* [Price\_Out] | | | | |  |  |
| Income | Calculated |  |  | [Amount\_Out] – [Amount\_In] | | | | |  |  |

1.3- TblCustomer

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **FieldName** | **Data type** | **PK or FK** | **Field Size** | **Format** | **Input Mask** | | **Validation Rule** | **Validation Text** | | **Caption** | | **Require** | | **Default** | |
| CustID | AutoNumber | PK |  |  |  | |  |  | | Customer ID | | Yes | |  | |
| CustName | Short Text |  | 15 |  |  | |  |  | | Customer Name | | Yes | |  | |
| Sex | Short Text |  | 5 |  |  | | ="M" or "F" | Please Input "M" for "Male" or "F" for "Female" !!! | |  | | Yes | |  | |
| Phone | Short Text |  |  |  | (000)-000 0009 | |  |  | |  | | No | |  | |
| Address | Short Text | ត្រូវប្រើ Lookup Wizard ហើយបញ្ចូលទិន្នន័យ៖ Olympic, Psa Chas, Psa Kandal, Pencil Maket, … | | | | | | | | | | | Yes | |  | |
| Other | Long Text |  |  |  | |  |  | |  | |  | No | |  | |

1.4- TblEmployee

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **FieldName** | **Data type** | **PK or FK** | **Format** | **Input Mask** | | **Validation Rule** | | **Validation Text** | | **Caption** | | **Require** | | **Default** | |
| EmpID | Number | PK | 000 |  | |  | |  | | Employee ID | | Yes | |  | |
| FN | Short Text |  |  |  | |  | |  | | First Name | | Yes | |  | |
| LN | Short Text |  |  |  | |  | |  | | Last Name | | Yes | |  | |
| Sex | Short Text | ត្រូវប្រើ Lookup Wizard | | |  | | ="M" or "F" | | Please Input "M" for "Male" or "F" for "Female" !!! | |  | | Yes | |  | |
| POB | Short Text | ត្រូវប្រើ Lookup Wizard ហើយបញ្ចូលទិន្នន័យ៖ "Phnom Penh";"Takeo";"Battambong";"Porsat"… | | | | | | | | | Place Of Birth | | Yes | |  | |
| DOB | Date/Time |  | dd-mmm-yyyy |  | | <Date() | | Birth date must Less than Today. | | Date Of Birth | | Yes | |  | |
| Age | Number |  |  |  | |  | |  | |  | | No | |  | |
| RD | Date/Time |  |  |  | |  | |  | | Retire Date | | No | |  | |
| Password | Short Text |  |  | Password | |  | |  | |  | | No | |  | |
| Title | Short Text | ត្រូវប្រើ Lookup Wizard ហើយបញ្ចូលទិន្នន័យ៖ " "Manager";"Admin";"Accountant";"Seller";"Security";"Cleaner"… | | | | | | | | | | | Yes | |  | |
| Salary | Currency |  |  |  | |  | |  | |  | | Yes | |  | |
| Picture | Attachment |  |  |  | |  | |  | |  | | No | |  | |
| WPhone | Short Text |  |  | (000)-000 000 0009 | |  | |  | | Work Phone | | No | |  | |
| HPhone | Short Text |  |  | (000)-000 000 0009 | |  | |  | | Home Phone | | No | |  | |
| Email | Hyperlink |  |  |  | |  | |  | |  | | No | |  | |
| SSN | Short Text |  |  |  | |  | |  | |  | | No | |  | |
| CV | OLE Object |  |  |  | |  | |  | |  | | No | |  | |
| QRCode | Attachment |  |  |  | |  | |  | |  | |  | |  | |
| Other | Long Text |  |  |  | |  | |  | |  | | No | |  | |

1.5- TblOrder

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **FieldName** | **Data type** | **PK or FK** | **Format** | **Default Value** | **Validation Rule** | **Validation Text** | **Caption** | **Require** | **Default** |
| OrderID | AutoNumber | PK | 00000 |  |  |  | Order ID | Yes |  |
| OrderDate | Date/Time |  |  | =Date() |  |  | Order Date | Yes | =Date() |

1.6- TblOrderDetail

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **FieldName** | **Data type** | **PK or FK** | **Format** | **Input Mask** | **Validation Rule** | **Validation Text** | **Caption** | **Require** | **Default** |
| OrderID | Number | PK | 00000 |  |  |  | Order ID | Yes |  |
| ProCode | Number |  |  |  |  |  | Product Code | Yes |  |
| QtyOut | Number |  |  |  |  |  | Quantity Out | No |  |