Item Table

ColumnNo	ColumnName	DataType	Descritption&Constraint	NULL/NOT	KEY
1	ItemCode	varchar(5)	Refers to ItemCode Eg FORMAT : AC	NOT NULL	PK
2	ItemDescription	varchar(70)	Refers to ItemDescription Eg FORMAT : Café' Table Cherry Top,blk base 36' Rd	NOT NULL	
3	Unit Price	Money	Refers to UnitPrice of each Item Eg FORMAT : 25000 checkConstraint(UnitPrice>0)	NOT NULL	
4	SupplierID	char(5)	Refers to SupplierID of Items Eg FORMAT : S-001	NOT NULL	FK refers to (pk of SupplierID of Supplier Table)

OrderDetail Table

ColumnNo	ColumnName	DataType	Descritption&Constraint	NULL/NOT	KEY
1	ONO	Char(7)	Refers to order number ID Eg FORMAT : O-12345	NOT NULL	FK refers to (pK of ONO column) of order Table (Composite Primary Key constraint is apply in this table members are ONO and ItemCode)
2	ItemCode	varchar(5)	Refers to ItemCode Eg FORMAT : AC	NOT NULL	FK refers to (pK of ItemCode column) of Item Table (Composite Primary Key constraint is apply in this table members are ONO and ItemCode)
3	Qty	Int	Refers to quantity of items Eg FORMAT : 5 checkConstraint(Qty>0)	NOT NULL	
4	Amount	Computed Column	Refers to Amount Generated by Qty from OrderDetail Table * UnitPrice From Item Table		
5	DiscountRate	Computed Column	Refers to DiscountRate Generated by checking AmountColumn from OrdeDetail Table checkConstraint(DiscountRate=0% if 50000>Amount>0) checkConstraint(DiscountRate=5% if 200000>Amount>50001) checkConstraint(DiscountRate=10% if 200001>Amount>400000) checkConstraint(DiscountRate=15% if Amount>400000)		
6	DiscountAmount	Computed Column	Refers to DiscountAmount Generated by Amount*(DiscountRate/100) from OrderDetail Table		
7	TotalItemAmount	Computed Column	Refers to Total Item Amount Generated by Amount-DiscountAmount from OrderdetailTable		

Order Table

ColumnNo	ColumnName	DataType	Descritption&Constraint	NULL/NOT	KEY
1	ONO	Char(7)	Refers to order number ID Eg FORMAT : O-12345	NOT NULL	PK
2	Odate	Datetime	Refers to Current Order Date Eg FORMAT : MM/DD/YY Check(date<=getdate()) Default(getDate())	NOT NULL	
3	CuID	Char(5)	Refers to Customer Unique ID Eg FORMAT : C-001	NOT NULL	FK refers to (PK of CuID column of Customer Table)
4	BNO	varchar(8)	Refers to Branch Number Eg FORMAT : Branch1	NOT NULL	FK refers to (PK of BNO column of Branch Table)
5	StaffId	varchar(7)	Refers to Staff Unique ID Eg FORMAT : IDN-001	NOT NULL	FK refers to (PK of StaffID column of Staff Table)
6	DeAdd	varchar(30)	Refers to Delivery Address Eg FORMAT :20(A), Monywa	NOT NULL	
7	SubTotal	Computed Column	Refers to SubTotal of Items Generated by Adding all the the TotalItemAmount Column of Same Ordernumber(ONO) from OrderDetail table		
8	TaxRate	Computed Column	Refers to Tax Rate Generated by SubTotal*(6/100) from Order Table		
9	DeliveryCharges	Money	Refers to Delivery Charges Generated by checking DeAdd Column of OrderTable check(if[DeAdd='Yangon'],DeliveryCharges=0) check(if[DeAdd!='Yangon'],DeliveryCharges=5000)	NOT NULL	
10	Total	Computed Column	Refers to Total of Order in Order Table Generated by (SubTotal+TaxRate+DeliveryCharges) from OrderTable		

Customer Table

ColumnNo	ColumnName	DataType	Descritption&Constraint	NULL/NOT	KEY
1	CuID	Char(5)	Refers to Customer Unique ID Eg FORMAT : C-001	NOT NULL	PK
2	CName	Varchar(30)	Refers to Name of Customer Eg FORMAT : U Maung Maung Soe	NOT NULL	
3	CAddress	Varchar(30)	Refers to Current Address of Customer Eg FORMAT :20(A), Monywa	NOT NULL	
4	CPh	Varchar(11)	Refers to Contact Number of Customer Eg FORMAT : 095401234 check(09-[0-9][0-9][0-9][0-9][0-9][0-9][0-9]) check(09-[0-9][0-9][0-9][0-9][0-9][0-9][0-9])	NOT NULL	
5	Cmail	varchar(30)	Refers to EmailAddress of Customer Eg FORMAT : maungmaungsoe@gmail.com checkConstraint(Cmail like '% @ _%. _%')	NOT NULL	

Branch Table

ColumnNo	ColumnName	DataType	Descritption&Constraint	NULL/NOT	KEY
1	BNO	varchar(8)	Refers to Branch Number Eg FORMAT : Branch1	NOT NULL	PK
2	Badd	Varchar(30)	Refers to Branch Address Eg FORMAT : NO12,MingalardonTownship	NOT NULL	
5	Bmail	varchar(30)	Refers to EmailAddress of Branch Eg FORMAT : naingmyanmarbr@gmail.com checkConstraint(Bmail like '% @ _%. _%')	NOT NULL	
4	BPh	Varchar(11)	Refers to Contact Number of Branch Eg FORMAT : 01223344 check(01-[0-9][0-9][0-9][0-9][0-9]) check(09-[0-9][0-9][0-9][0-9][0-9][0-9][0-9])	NOT NULL	

Staff Table

ColumnNo	ColumnName	DataType	Descritption&Constraint	NULL/NOT	KEY
1	StaffID	varchar(7)	Refers to Staff Unique ID Eg FORMAT : IDN-001	NOT NULL	PK
2	StaffName	Varchar(30)	Refers to Name of Staff Eg FORMAT : Min Min	NOT NULL	

Supplier Table

ColumnNo	ColumnName	DataType	Descritption&Constraint	NULL/NOT	KEY
1	SupplierID	Char(5)	Refers to Supplier Unique ID Eg FORMAT : S-001	NOT NULL	PK
2	SupplierName	Varchar(30)	Refers to Name of Supplier Eg FORMAT : Win Kyaw	NOT NULL	
3	SupplierAddress	Varchar(30)	Refers to Address of Supplier Eg FORMAT :30(B), Sanchaung	NOT NULL	