Dish

Column Name	Data Type	Allow Nulls	Description
DishId	Int	Not	Primary key
DishTypeId	Int		Foreign key
DishTitle	Nvarchar(32)		
DishPrice	Decimal(8,2)	Not	Default(0)
DishShortcut	Nvarchar(32)		Used for quick search in the Ordering Form
DelFlag	Bit	Not	Default(0)

DishType

Column Name	Data Type	Allow Nulls	Description
DishTypeId	Int	Not	Primary key
DishtypeName	Nvarchar(32)		
DelFlag	Bit	Not	Default(0)

Employee

Column Name	Data Type	Allow Nulls	Description
EmployeeId	Int	Not	Primary key
EmployeeName	Nvarchar(32)		
EmployeePwd	Nvarchar(32)	Not	
EmployeePosition	Nvarchar(32)		Default('Employee')
DelFlag	Bit	Not	Default(0)

Member

Column Name	Data Type	Allow Nulls	Description
MemberId	Int	Not	Primary key
MemberName	Nvarchar(32)		
MemberPhone	Nvarchar(32)		
MemberBalance	Decimal(8,2)	Not	Default(0)
MembershipId	Int	Not	Foreign key, Default(1)
DelFlag	Bit	Not	Default(0)

Membership

Column Name	Data Type	Allow Nulls	Description
MembershipId	Int	Not	Primary key
MembershipTitle	Nvarchar(32)		
DiscountType	Decimal(8,2)	Not	Default(1)
DelFlag	Bit	Not	Default(0)

Tables

Column Name	Data Type	Allow Nulls	Description
TableId	Int	Not	Primary key
IsFree	Bit	Not	Default(1)
DelFlag	Bit	Not	Default(0)

OrderDetail

Column Name	Data Type	Allow Nulls	Description
OrderSummaryId	Int	Not	Primary key, Foreign key
DishId	Int	Not	Primary key, Foreign key
Count	Int	Not	Default(1)

OrderSummary

Column Name	Data Type	Allow Nulls	Description
OrderSummaryId	Int	Not	Primary key
Date	Datetime		
TotalCostBeforeDiscount	Decimal(8,2)	Not	Default(0)
DiscountType	Decimal(8,2)		
TotalCostAfterDiscount	Decimal(8,2)	Not	Default(0)
MemberId	Int		Foreign key
TableId	Int	Not	Foreign key
EmployeeId	Int		Foreign key
IsPaid	Bit	Not	Default(0)

NOTE:

1. All primary key is set to identity(1,1), except the composite primary key in OrderDetail table, therefor there is no need to manual assign Id for them.

2. Need more details about Foreign key relationship, check Database Diagram.png under Supporting Files directory.

3. There is a Stored Procedure for soft deletion, following is the detail:

```
CREATE PROC [dbo].[SetDelFlagTrue]
    @id int,
    @tableName nvarchar(16)
AS
    DECLARE @primaryKeyColumnName nvarchar(16)
    SET @primaryKeyColumnName = (
            SELECT TOP 1 COLUMN_NAME
            FROM [Restaurant].INFORMATION_SCHEMA.COLUMNS
            WHERE TABLE_NAME=@tableName)

    DECLARE @query nvarchar(128)
    SET @query = 'UPDATE ' + @tableName + ' SET [DelFlag]="True" OUTPUT
deleted.[EId] WHERE [' + @primaryKeyColumnName + '] = ' + convert(nvarchar(16),@id)
    print @query
    EXEC(@query);
```