**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.[@primaryKeyColumnName] WHERE [' + @primaryKeyColumnName + '] = ' + convert(nvarchar(16),@id)

print @query

EXEC(@query);