1. 資料庫設計

## 資料表結構設計

* **Shop︰**商家資訊 **資料**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **欄位名稱** | **資料型態** | **PK** | **Nullable** | **說明** |
| ShopID | Varchar(50) | \* | Not null | 商家編號 |
| ShopName | Varchar(100) |  |  | 商家名稱 |
| ShopAddress | nVarchar (Max) |  |  | 商家地址(需要經緯度作圖資呈現) |
| ShopUrl | nVarchar (Max) |  |  | 商家網址 |
| AvgPrice | Int |  |  | 人均價格 |
| CommentMagnitude | Int |  |  | 點評星等 |
| CommentTaste | Int |  |  | 點評分數-口味 |
| CommentEnvironment | Int |  |  | 點評分數-環境 |
| CommentService | Int |  |  | 點評分數-服務 |
| CommentCount | Int |  |  | 點評數 |
| StoreCount | Int |  |  | 討論權重 (新浪微博篇數) |
| SourceID | Varchar(50) |  |  | 頻道ID(所屬頻道) |
| UpdateDate | DateTime |  |  | 異動日期 |
| UpdateUser | Varchar(50) |  |  | 異動人員 |
| PositiveScore | Int |  |  | 正面評分 |
| NegativeScore | Int |  |  | 負面評分 |

* **ShopComment︰**商家評論 **資料**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **欄位名稱** | **資料型態** | **PK** | **Nullable** | **說明** |
| CommentID | Varchar(50) | \* | Not null | 文章編號 |
| ShopID | Varchar(50) |  |  | 商家編號 |
| Author | Varchar(100) |  |  | 作者 |
| CommentTaste | Int |  |  | 點評分數-口味 |
| CommentEnvironment | Int |  |  | 點評分數-環境 |
| CommentService | Int |  |  | 點評分數-服務 |
| Review | nVarchar (Max) |  |  | 評論全文 |
| AvgPrice | Int |  |  | 人均價格 |
| CommentDate | DateTime |  |  | 點評時間 |
| PositiveScore | Int |  |  | 正面評分 |
| NegativeScore | Int |  |  | 負面評分 |
| DimMeal | Int |  |  | 維度-餐點 |
| DimConvenience | Int |  |  | 維度-便利性 |
| DimPrice | Int |  |  | 維度-價格 |
| DimAdvertising | Int |  |  | 維度-廣告宣傳 |
| DimService | Int |  |  | 維度-服務 |
| DimAtmosphere | Int |  |  | 維度-環境氣氛 |
| DimReputation | Int |  |  | 維度-餐廳口碑 |

* **City︰**城市資訊 **資料**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **欄位名稱** | **資料型態** | **PK** | **Nullable** | **說明** |
| CityID | Varchar(50) |  | Not null | 城市ID |
| CityName | Varchar(100) |  |  | 城市名稱(熱門城市) |

* **Source︰**頻道資訊 **資料**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **欄位名稱** | **資料型態** | **PK** | **Nullable** | **說明** |
| SourceID | Varchar(50) |  | Not null | 頻道ID |
| SourceName | Varchar(100) |  |  | 頻道名稱 |

* **Dish︰**菜系資訊 **資料**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **欄位名稱** | **資料型態** | **PK** | **Nullable** | **說明** |
| DishID | Varchar(50) |  | Not null | 菜系ID |
| DishName | Varchar(100) |  |  | 菜系名稱 |
|  |  |  |  |  |

* **Region︰**商區/地區名稱 **資料**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **欄位名稱** | **資料型態** | **PK** | **Nullable** | **說明** |
| RegionID | Varchar(50) |  | Not null | 商區/地區ID |
| RegionName | Varchar(100) |  |  | 商區/地區名稱 |

* **ShopDish︰**菜色關聯 **資料**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **欄位名稱** | **資料型態** | **PK** | **Nullable** | **說明** |
| ShopID | Varchar(50) |  | Not null | 商家編號 |
| DishID | Varchar(50) |  | Not null | 菜色ID |

* **ShopRegion︰**商區/地區關聯 **資料**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **欄位名稱** | **資料型態** | **PK** | **Nullable** | **說明** |
| ShopID | Varchar(50) |  | Not null | 商家編號 |
| RegionID | Varchar(50) |  | Not null | 商區/地區ID |

* **ShopCity︰**城市關聯 **資料**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **欄位名稱** | **資料型態** | **PK** | **Nullable** | **說明** |
| ShopID | Varchar(50) |  | Not null | 商家編號 |
| CityID | Varchar(50) |  | Not null | 城市ID |