



HOMEWORK # 3

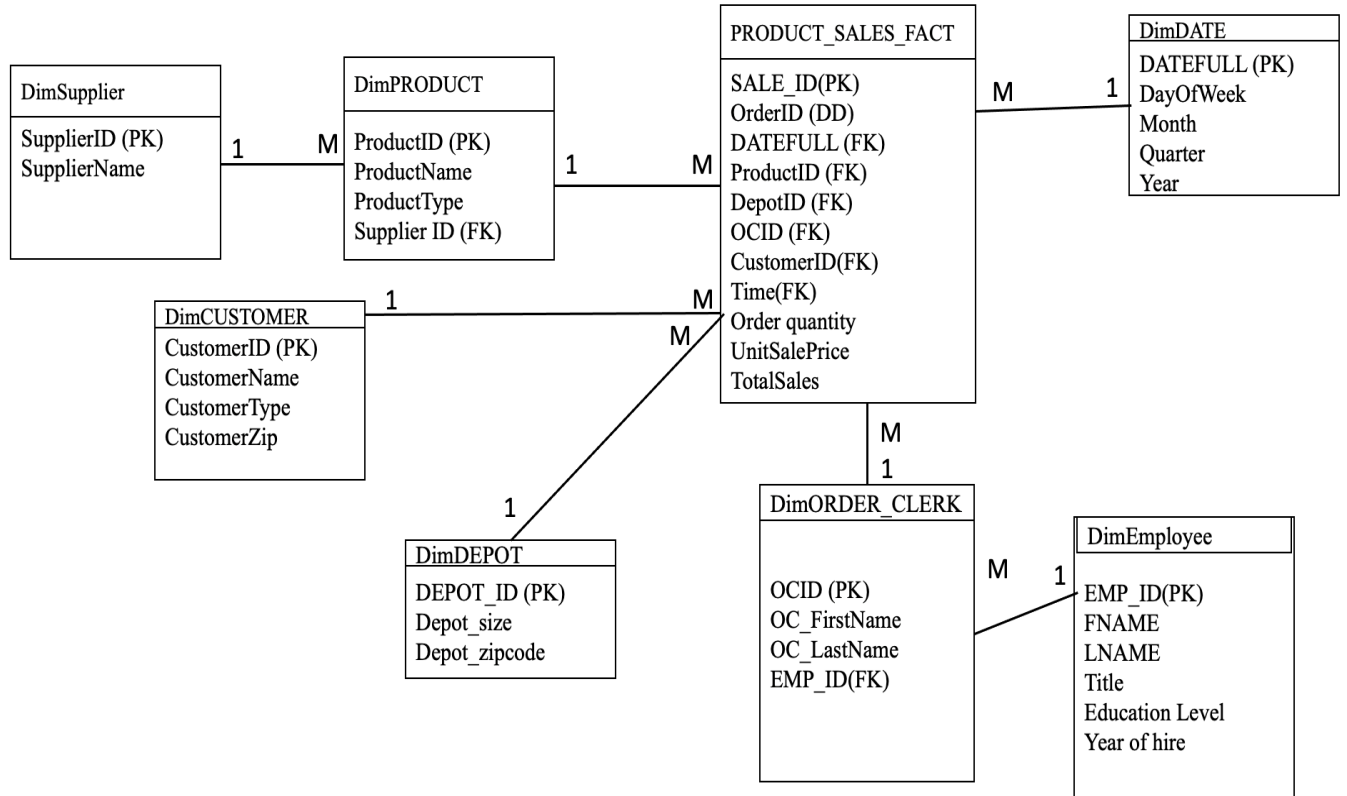
CIS 5364 Data Warehousing | Spring 2021

TEAM

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DATA DICTIONARY

| ENTITY/TABLE NAME | ATTRIBUTE NAME | CONTENT | DATA TYPE | DATA SOURCE | PK / FK |
|---------------------------|----------------|-------------------------------------|---------------|-------------------------------------|---------|
| PRODUCT_SALES_FACT | SALE_ID | Unique ID for the fact table | CHAR(10) | | PK |
| | DATEFULL | Date of sale | DATE | Data Source 2:Orders | FK |
| | ProductID | Product Identifier | CHAR(10) | Data Source 2: Product | FK |
| | DepotID | Depot Identifier | CHAR(10) | Data Source 2: DEPOT | FK |
| | OCID | Order Clerk Identifier | CHAR(10) | Data Source 2: ORDERCLERK | FK |
| | OrderID | Order Identifier | CHAR(10) | Data Source 2: ORDER | FK |
| | CustomerID | Customer Identifier | CHAR(10) | Data Source 2: CUSTOMER | FK |
| | Order quantity | Number of products sold | SMALLINT | Data Source 2: ORDERLINE | |
| | UnitSalePrice | Dollar amount for each unit | SMALLMONEY | Data Source 2: ORDERLINE | |
| | TotalSales | Derived – Sales_Quantity*Unit_Sales | MONEY | Derived attribute | |
| DimDATE | DATEFULL | Full Date | DATE | Data Source 2:Orders | PK |
| | DayOfWeek | Day of the week | CHAR(10) | System Generated on date | |
| | Month | Month | CHAR(10) | System Generated on date | |
| | Quarter | Quarter | VARCHAR(10) | System Generated on date | |
| | Year | Year | YEAR | System Generated on date | |
| | | | | | |
| DimPRODUCT | ProductID | Product Identifier | CHAR(10) | Data Source 2: Product | PK |
| | ProductName | Name of Product | NVARCHAR(100) | Data Source 2: Product | |
| | ProductType | Type of Product | CHAR(35) | Data Source 2: Product | |
| | SupplierID | Supplier ID | CHAR(10) | Data Source 2: Product and Supplier | FK |
| DimCUSTOMER | CustomerID | Customer Identifier | CHAR(10) | Data Source 2: Customer | PK |
| | CustomerName | Customer Name | NVARCHAR(100) | Data Source 2: Customer | |
| | CustomerType | Type of Customer | CHAR(35) | Data Source 2: Customer | |
| | CustomerZip | Zip Code of Customer | NCHAR(35) | Data Source 2: Customer | |
| DimDEPOT | DEPOT_ID | Depot Identifier | CHAR(10) | Data Source 2: DEPOT | PK |
| | Depot_size | Depot Size | CHAR(10) | Data Source 2: DEPOT | |
| | Depot_zipcode | Depot Zip Code | CHAR(35) | Data Source 2: DEPOT | |
| DimORDER_CLERK | OCID | ORDER CLERK ID | CHAR(10) | Data Source 2: ORDERCLERK | PK |
| | OC_FirstName | ORDER CLERK First Name | NVARCHAR(100) | Data Source 2: ORDERCLERK | |
| | OC_LastName | ORDER CLERK Last Name | NVARCHAR(100) | Data Source 2: ORDERCLERK | |
| | EMP_ID | Employee Identifier | CHAR(10) | Data Source 1&2: | FK |

| | | | | | |
|--------------------|--------------------|--------------------------------|--------------|----------------------------|----|
| | | | | Employee & ORDERCLERK | |
| | | | | | |
| DimSupplier | SupplierID | Supplier Identifier | CHAR(10) | Data Source 2: Supplier | PK |
| | SupplierName | Supplier Name | VARCHAR(100) | Data Source 2: Supplier | |
| | | | | | |
| DimEmployee | EMP_ID | Employee Identifier | CHAR(10) | Data Source 1: Employee | PK |
| | FNAME | First name | VARCHAR(100) | Data Source 1: Employee | |
| | LNAME | Last name | VARCHAR(100) | Data Source 1: Employee | |
| | Title | ORDER CLERK title | CHAR(35) | Data Source 1: Employee | |
| | Education Level | ORDER CLERK Education Level | CHAR(35) | Data Source 1: Employee | |
| | Year of hire | ORDER CLERK's year of hire | YEAR | Data Source 1: Employee | |