

# Table Design & Creation

## Data Analyst Program – SQL Project

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## About this Project

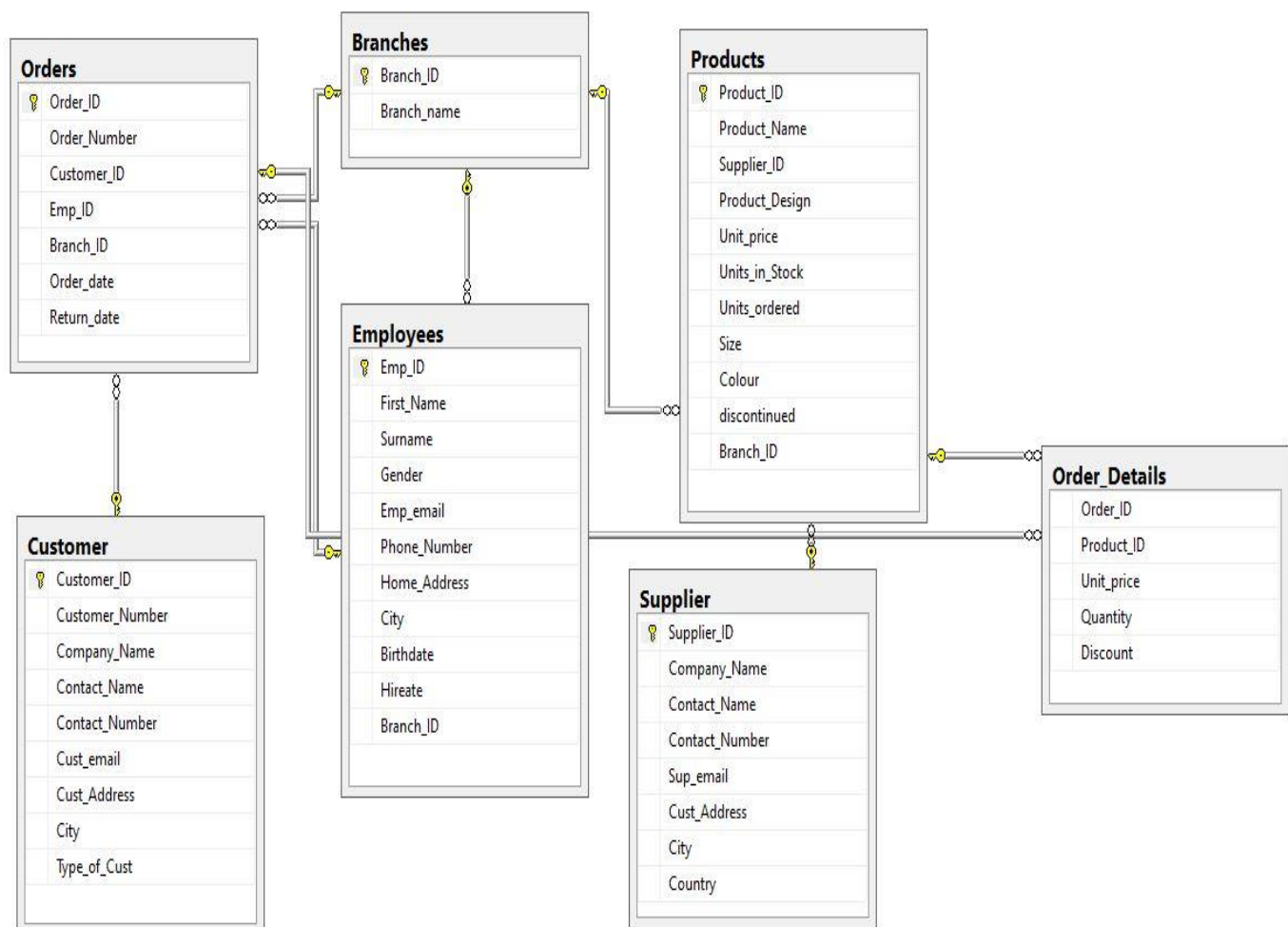
This project will illustrate a database that has been created for suite hiring company named Smart Suits.

The database is stored in Microsoft Serve Management Studio.

This database will help the managers and staff manage their inventory of suits by either seeing which customers has taken out suits for hire and with the return date and also reviewing stock levels and whether it's required to order any new suits from overseas suppliers.

## ERD

Below is the ERD of Smart Suits Database:



## **Table Descriptions**

1. **Customer** – This Table contains information about each customer that has place an order before.

Column Name	Column Type	Constraints	Comments
Customer_Id	Int	PK, Not Null	Identity (1,1)
Customer_Number	Varchar (10)	Not Null	
Company_Name	Varchar (100)		
Contact_Name	Varchar (20)		
Contact_Number	Varchar (100)		
Cust_email	Varchar (100)		
City	Varchar (20)		
Type_of_Cust	Varchar (100)		

2. **Supplier** – This table contains the information of all suppliers that the business uses to import suits.

Column Name	Column Type	Constraints	Comments
SupplierID	Int	PK, Not Null	Identity (1,1)
Company_Name	Varchar (100)	Not Null	
Contact_Name	Varchar (100)		
Contact_Number	Varchar (20)	Unique Check like '00%'	
Sup_email	Varchar (50)	Unique Check email like '%@%.%'	
Sup_Address	Varchar (100)		
City	Varchar (100)		
Country	Varchar (100)		

3. **Order\_Details** – This table gives information about each order from Customers in terms of pricing for each suit, the quantity taken and if a discount was provided

Column Name	Column Type	Constraints	Comments
Order_ID	int	Delete on Cascade, FK from Order (Order_ID)	
Product_ID	int	Not null FK from Products (Product_ID)	
Unit_price	Float		
Quantity	Int		
Discount	Float		

4. **Employees** – This table provides all the information of current employees working in the company.

Column Name	Column Type	Constraints	Comments
Emp_ID	Int	PK Not Null	Identity (1,1)
First_Name	Varchar (25)	Not Null	
Surname	Varchar (25)	Not Null	
Gender	Varchar (1)	Check Gender ('M' , 'F')	
Emp_email	Varchar (25)	Unique Check Email ('%@smartsuit.com')	
Phone_Number	Varchar (10)	Unique	
Home_Address	Varchar (50)	Unique	
City	Varchar (20)		
Birthdate	Datetime		
Hiredate	Datetime		
Branch_ID	Int	Not Null FK from Branches (Branch_ID)	

5. **Orders** – This table records all order placed by customers, as well as from which branch and by which employee.

Column Name	Column Type	Constraints	Comments
Order_ID	Int	PK Not Null	Identity (1,1)
Order_Number	Varchar (20)		
Customer_ID	int	Not Null FK from Customers (Customer_ID)	
Emp_ID	Int	Not Null FK from Employees (Emp_ID)	
Branch_ID	Int	Not Null FK from Branches (Branch_ID)	
Order_date	Varchar (50)	Not Null	
Return_date	Varchar (50)		

6. **Products** – This table provides all the information of products in stock and from which supplier the product comes from

Column Name	Column Type	Constraints	Comments
Product_ID	Int	PK Not Null	Identity (1,1)
Product_Name	Varchar (100)	Not Null	
Supplier_ID	int	Not Null FK from Supplier (Supplier_ID)	
Product_Design	Varchar (100)		
Unit_price	int		
Units_in_Stock	int		
Units_ordered	int		
Size	Varchar (5)	Check Size in ( 'S', 'M', 'L', 'XL', 'XXL' )	
Colour	Varchar (100)		
Discontinued	Varchar (1)	Check discontinued in ( 'Y', 'N' )	
Branch_ID	int	Not Null FK from Branches (Branch_ID)	

7. **Branches** – This table contains Branch information.

Column Name	Column Type	Constraints	Comments
Branch_ID	Int	PK Not Null	Identity (1,1)
Branch_Name	Varchar (25)	Not Null	

## **Script**

The Full script is provided in a separate file