# SQL Table Creation

## Component Table

Create Table `Component` (

`Component\_ID` int(11) Not null,

`Component\_Name` varchar(50) Default Null,

`Supplier\_ID` int(11) Not Null,

`Price` double(4,2) Default Null,

Primary Key (`Component\_ID`),

Key `fk\_Component\_SupplierID` (`Supplier\_ID`),

Constraint `fk\_Component\_SupplierID` foreign key (`Supplier\_ID`) References `Supplier` (`Supplier\_ID`) on delete cascade on update cascade

)

## Demographic\_Data Table

Create Table `Demographic\_Data` (

`Demographic\_Data\_ID` int(11) Not null,

`Pub\_ID` int(11) Not null,

`Date` date Default Null,

`Demographic\_Type` varchar(50) Default Null,

`Demographic\_Value` varchar(50) Default Null,

primary key (`Demographic\_Data\_ID`),

Key `fk\_DemographicData\_PubID` (`Pub\_ID`),

Constraint `fk\_DemographicData\_PubID` foreign key (`Pub\_ID`) References `Pub` (`Pub\_ID`) on delete cascade on update cascade

)

## Drink Table

Create Table `Drink` (

`Drink\_ID` int(11) Not null,

`Drink\_Name` varchar(50) Default Null,

`Drink\_Type` varchar(20) Default Null,

`PC\_Alcohol` int(3) Default Null,

Primary Key (`Drink\_ID`)

)

## Drink\_Component Table

Create Table `Drink\_Component` (

`Drink\_ID` int(11) Not null,

`Component\_ID` int(11) Not null,

`Quantity` int(3) Default Null,

primary key (`Drink\_ID`,`Component\_ID`),

Key `fk\_DrinkComponent\_DrinkID` (`Drink\_ID`),

Key `fk\_DrinkComponentComponentID` (`Component\_ID`),

Constraint `fk\_DrinkComponent\_DrinkID` foreign key (`Drink\_ID`) References `Drink` (`Drink\_ID`) on delete cascade on update cascade,

Constraint `fk\_DrinkComponentComponentID` foreign key (`Component\_ID`) References `Component` (`Component\_ID`) on delete cascade on update cascade

)

## Drinks\_List Table

Create Table `Drinks\_List` (

`Pub\_ID` int(11) Not null,

`Drink\_ID` int(11) Not null,

`Price` Double(4,2) Default Null,

primary key (`Pub\_ID`,`Drink\_ID`),

Key `fk\_DrinkList\_PubID` (`Pub\_ID`),

Key `fk\_DrinkList\_DrinkID` (`Drink\_ID`),

Constraint `fk\_DrinkList\_PubID` foreign key (`Pub\_ID`) References `Pub` (`Pub\_ID`) on delete cascade on update cascade,

Constraint `fk\_DrinkList\_DrinkID` foreign key (`Drink\_ID`) References `Drink` (`Drink\_ID`) on delete cascade on update cascade

)

## Entertainment Table

Create Table `Entertainment` (

`Entertainment\_ID` int(11) Not null,

`Pub\_ID` int(11) Not null,

`Entertainment\_Type` varchar(50) Default Null,

`Entertainment\_Name` varchar(50) Default Null,

`Entertainment\_Cost` Double(4,2) Default Null,

`Cost\_Duration` varchar(50) Default Null,

primary key (`Entertainment\_ID`),

Key `fk\_Entertainment\_PubID` (`Pub\_ID`),

Constraint `fk\_Entertainment\_PubID` foreign key (`Pub\_ID`) References `Pub` (`Pub\_ID`) on delete cascade on update cascade

)

## Food Table

Create Table `Food` (

`Food\_ID` int(11) Not null,

`Food\_Name` varchar(50) Default Null,

`Food\_Type` varchar(20) Default Null,

`Vegetarian` bool default null,

`Vegan` bool default null,

Primary Key (`Food\_ID`)

)

## Food\_Component Table

Create Table `Food\_Component` (

`Food\_ID` int(11) Not null,

`Component\_ID` int(11) Not null,

`Quantity` int(3) Default Null,

primary key (`Food\_ID`,`Component\_ID`),

Key `fk\_FoodComponent\_FoodID` (`Food\_ID`),

Key `fk\_FoodComponentComponentID` (`Component\_ID`),

Constraint `fk\_FoodComponent\_FoodID` foreign key (`Food\_ID`) References `Food` (`Food\_ID`) on delete cascade on update cascade,

Constraint `fk\_FoodComponentComponentID` foreign key (`Component\_ID`) References `Component` (`Component\_ID`) on delete cascade on update cascade

)

## Food\_List Table

Create Table `Food\_List` (

`Pub\_ID` int(11) Not null,

`Food\_ID` int(11) Not null,

`Price` Double(4,2) Default Null,

primary key (`Pub\_ID`,`Food\_ID`),

Key `fk\_FoodList\_PubID` (`Pub\_ID`),

Key `fk\_FoodList\_FoodID` (`Food\_ID`),

Constraint `fk\_FoodList\_PubID` foreign key (`Pub\_ID`) References `Pub` (`Pub\_ID`) on delete cascade on update cascade,

Constraint `fk\_FoodList\_FoodID` foreign key (`Food\_ID`) References `Food` (`Food\_ID`) on delete cascade on update cascade

)

## Job Table

Create Table `Job` (

`Job\_ID` int(11) Not null,

`Job\_Title` varchar(50) Default Null,

`Pay\_Rate` Double(6,2) Default Null,

Primary Key (`Job\_ID`)

)

## Order Table

Create Table `Order` (

`Order\_ID` int(11) Not null,

`Supplier\_ID` int(11) default Null,

`Pub\_ID` int(11) default Null,

`Date` date Default Null,

`Total\_Cost` double(4,2) Default Null,

Primary Key (`Order\_ID`),

Key `fk\_Order\_SupplierID` (`Supplier\_ID`),

Key `fk\_Order\_PubID` (`Pub\_ID`),

Constraint `fk\_Order\_SupplierID` foreign key (`Supplier\_ID`) References `Supplier` (`Supplier\_ID`) on delete set null on update cascade,

Constraint `fk\_Order\_PubID` foreign key (`Pub\_ID`) References `Pub` (`Pub\_ID`) on delete set null on update cascade

)

## Order\_Item Table

Create Table `Order\_Item` (

`Order\_ID` int(11) Not null,

`Component\_ID` int(11) Not null,

`Quantity` int(5) Default Null,

primary key (`Order\_ID`,`Component\_ID`),

Key `fk\_OrderItem\_OrderID` (`Order\_ID`),

Key `fk\_OrderItem\_ComponentID` (`Component\_ID`),

Constraint `fk\_OrderItem\_OrderID` foreign key (`Order\_ID`) References `Order` (`Order\_ID`) on delete cascade on update cascade,

Constraint `fk\_OrderItem\_ComponentID` foreign key (`Component\_ID`) References `Component` (`Component\_ID`) on delete cascade on update cascade

)

## Pub Table

Create Table `Pub` (

`Pub\_ID` int(11) Not null,

`Pub\_Name` varchar(50) Default Null,

`Address1` varchar(50) Default Null,

`Address2` varchar(50) Default Null,

`Address3` varchar(50) Default Null,

`City` varchar(50) Default Null,

`Country` varchar(50) Default Null,

`Postcode` varchar(50) Default Null,

Primary Key (`Pub\_ID`)

)

## Staff Table

Create Table `Staff` (

`Staff\_ID` int(11) Not null,

`Pub\_ID` int(11) default Null,

`Job\_ID` int(11) default Null,

`F\_Name` varchar(50) default null,

`S\_Name` varchar(50) default null,

`DateOfBirth` date Default Null,

`Address` varchar(50) default null,

`City` varchar(50) default null,

`PostCode` varchar(50) default null,

`Start\_Date` date Default Null,

`Sort\_Code` varchar(50) default null,

`Account\_Number` varchar(50) default null,

`Password` varchar(50) default null,

Primary Key (`Staff\_ID`),

Key `fk\_Staff\_JobID` (`Job\_ID`),

Key `fk\_Staff\_PubID` (`Pub\_ID`),

Constraint `fk\_Staff\_JobID` foreign key (`Job\_ID`) References `Job` (`Job\_ID`) on delete set null on update cascade,

Constraint `fk\_Staff\_PubID` foreign key (`Pub\_ID`) References `Pub` (`Pub\_ID`) on delete set null on update cascade

)

## Supplier Table

Create Table `Supplier` (

`Supplier\_ID` int(11) Not null,

`Supplier\_Name` varchar(50) Default Null,

`Address1` varchar(50) Default Null,

`Address2` varchar(50) Default Null,

`Address3` varchar(50) Default Null,

`City` varchar(50) Default Null,

`Country` varchar(50) Default Null,

`Postcode` varchar(50) Default Null,

Primary Key (`Supplier\_ID`)

)