

Annie's Sandwiches Data Dictionary

Austin Dickieson, Aran O'Brian

CUSTOMER

Name	Data Type	Constraints	Key
CustomerID	bigint	>0, NOT NULL	PK
CustomerName	nvarchar(50)	NOT NULL	
CustomerEmail	nvarchar(50)		
Loyalty Points	int		
Date Joined	date	NOT NULL	
FavSandwich	nvarchar(20)		

EMPLOYEE

Name	Data Type	Constraints	Key
EmployeeID	bigint	>0, NOT NULL	PK
EmployeeName	nvarchar(50)	NOT NULL	
EmpStreet	nvarchar(50)		
EmpCity	nvarchar(20)		
EmpZipCode	bigint		
EmployeeType	char	NOT NULL	

EMPLOYEE PHONE NUMBER

Name	Data Type	Constraints	Key
Phone_Number	bigint	NOT NULL	PK
EmployeeID	bigint	>0, NOT NULL	FK

OWNER

Name	Data Type	Constraints	Key
O_EmployeeID	bigint	NOT NULL	PK/FK
Manager	bool	NOT NULL	
Ownership%	int	>0 AND <=100	

CHEF

Name	Data Type	Constraints	Key
C_EmployeeID	bigint	NOT NULL	PK/FK
FoodLicense	bool	NOT NULL	
Speciality	nvarchar(20)		

SALARY

Name	Data Type	Constraints	Key
S_EmployeeID	bigint	NOT NULL	PK/FK
StartDate	date	NOT NULL	
SalaryAmount	bigint	NOT NULL	

ORDER

Name	Data Type	Constraints	Key
OrderID	bigint	>0, NOT NULL	PK
CustomerID	bigint	>0, NOT NULL	FK
EmployeeID	bigint	>0, NOT NULL	FK
OrderCost	float	NOT NULL	
NumItems	int	>0, NOT NULL	

ORDER INFO

Name	Data Type	Constraints	Key
CustomerID	bigint	>0, NOT NULL	PK/FK
OrderID	bigint	>0, NOT NULL	PK/FK
OrderDate	date	NOT NULL	
OrderTime	time	NOT NULL	

SMOOTHIE ORDER

Name	Data Type	Constraints	Key
SmoothieID	bigint	>0, NOT NULL	PK/FK
OrderID	bigint	>0, NOT NULL	PK/FK

SANDWICH ORDER

Name	Data Type	Constraints	Key
SandwichID	bigint	>0, NOT NULL	PK/FK
OrderID	bigint	>0, NOT NULL	PK/FK

SOFTDRINK ORDER

Name	Data Type	Constraints	Key
SoftDrinkID	bigint	>0, NOT NULL	PK/FK
OrderID	bigint	>0, NOT NULL	PK/FK

SMOOTHIE

Name	Data Type	Constraints	Key
SmoothieID	bigint	>0, NOT NULL	PK
SmoothieName	nvarchar(10)	NOT NULL	
SmoothiePrice	float	NOT NULL	
Vegetarian	bool	NOT NULL	

SANDWICH

Name	Data Type	Constraints	Key
SandwichID	bigint	>0, NOT NULL	PK
SandwichName	nvarchar(10)	NOT NULL	
SandwichPrice	float	NOT NULL	

Vegetarian	bool	NOT NULL	
------------	------	----------	--

SOFT DRINK

Name	Data Type	Constraints	Key
SoftDrinkID	bigint	>0, NOT NULL	PK
SofDrinkName	nvarchar(10)	NOT NULL	
SoftDrinkPrice	float	NOT NULL	

INGREDIENT

Name	Data Type	Constraints	Key
IngredientID	bigint	>0, NOT NULL	PK
ingredientName	nvarchar(20)	NOT NULL	
Perishable	bool	NOT NULL	
LowStock	bool	NOT NULL	
Supplier	nvarchar(30)		

SMOOTHIE INGREDIENT

SmoothieID	bigint	>0, NOT NULL	PK/FK
IngredientID	bigint	>0, NOT NULL	PK/FK
Quantity	int	NOT NULL	

SANDWICH INGREDIENT

SandwichID	bigint	>0, NOT NULL	PK/FK
IngredientID	bigint	>0, NOT NULL	PK/FK
Quantity	int	NOT NULL	

Description	Example Value
Unique identifier for customer	12345
First and last name of customer	Amin Morid
Email of customer	adickieson@scu.edu
Current loyalty points	3
Date of first order/entry in system	11/19/20
Most frequently ordered sandwich	Grilled Chicken

Description	Example Value
Unique identifier for employee	12345
First and last name of employee	Aran O'Brian
Street address of employee	456 Elm Street
City address of employee	Las Vegas
Zip code address of employee	89117
C, 'O', or 'S' for respective employee type	C

Description	Example Value
10 digit phone number of employee, only numbers	7028398250
Unique identifier for employee	12345

Description	Example Value
Corresponds to EmployeeID	12345
True/False if the owner also manages employees	TRUE
Legal share of ownership as %	50

Description	Example Value
Corresponds to EmployeeID	12345
True/False if chef has food liscense	TRUE
Best recipe, corresponds to smoothie/sandwich	Grilled Chicken Sandwich

Description	Example Value
Corresponds to EmployeeID	12345
Date employee was hired	11/19/20
Yearly salary in \$	50,000

Description	Example Value
Unique identifier for order	12345
Unique identifier for customer	23456
Unique identifier for employee	34567
Derived from price of each item in order, dollar amount	12.99
Number of items in order, total of smoothies, sandwiches, soft drinks	2

Description	Example Value
Unique identifier for customer	23456
Unique identifier for order	12345
Date of order, automatically generated	11/19/20
Time of order, timestamp	4:00pm

Description	Example Value
Unique identifier for smoothie	123456
Unique identifier for order	234567

Description	Example Value
Unique identifier for sandwich	123456
Unique identifier for order	234567

Description	Example Value
Unique identifier for soft drink	123456
Unique identifier for order	234567

Description	Example Value
Unique identifier for smoothie	123456
Menu title of smoothie	Banana Mango
Menu price of smoothie, dollar amount	4.99
True/false if smoothie is vegetarian	FALSE

Description	Example Value
Unique identifier for sandwich	123456
Menu title of sandwich	Grilled Chicken
Menu price of sandwich, dollar amount	7.99

True/false if sandwich is vegetarian	FALSE
--------------------------------------	-------

Description	Example Value
Unique identifier for soft drink	123456
Menu title of soft drink	Pepsi
Menu price of soft drink, dollar amount	1.99

Description	Example Value
Unique identifier for ingredient	123456
Name of ingredient	Onion
boolean for if ingredient goes bad in under a week	FALSE
boolean for if ingredient is in low stock	TRUE
Supplier/grocer for ingredient	Safeway

Unique identifier for smoothie	123456
Unique identifier for ingredient	234567
Amount of ingredient in respective smoothie	3

Unique identifier for sandwich	123456
Unique identifier for ingredient	234567
Amount of ingredient in respective sandwich	1