Food Costs and Cookie Storage Database Design

Jeremy Smith | September 12, 2020

Users

Field	Type	Constraints
ID	int	Primary Key, AutoAssign
Name	nvarchar	
EmailAddress	nvarchar	NOT NULL, Unique
Password	nvarchar	NOT NULL, Encrypt, Complexity

FoodPurchases

Field	Type	Constraints
ID	int	Primary Key, AutoAssign
Date	DATE	
Category	nvarchar	Foreign Key
Amount	decimal	

PurchaseCategory

Field	Type	Constraints
ID	int	Primary Key
Type	nvarchar	Unique
CheekyComment	nvarchar	

Wages

Field	Type	Constraints
ID	int	Primary Key
Period	nvarchar	Specific
Amount	decimal	

CookieContainers

Field	Type	Constraints
ID	int	Primary Key
Name	nvarchar	Unique
Volume	float	
Ridiculousness	int	Specific

CookieTypes

Field	Type	Constraints
ID	int	Primary Key
Name	nvarchar	
Deliciousness	int	Specific
UserID	int	Foreign Key

CookieRecipe

Field	Type	Constraints
ID	int	Primary Key
CookieTypeID	int	Foreign Key
ToolsNeeded	nvarchar	
TimeNeeded	nvarchar	
Ingredients	nvarchar	
Directions	nvarchar	

Relationships:
- Users — Has — FoodPurchases
- FoodPurchases — Is of — PurchaseCategory
- Users — Has — Wages
- Users — Uses — CookieContainers
- Users — Prefers — CookieTypes
- Users — Shares / Views / Bakes With — CookieRecipe
- CookieContainers — Stored In — CookieTypes
- CookieTypes — Has A — CookieRecipe