

Cocktails

Short description

Cocktails make the average alcoholic drink a little more exciting. This system creates easy access to some popular cocktail recipes, how to serve them as well as information of the cocktail's origin.

Business requirement

The end of the year and start of a new year gives much reason for celebrations and parties. Whether formal or informal, this system creates a place to retrieve cocktail recipes for a seasoned bar tender or aspiring amateur to create and serve cocktails like a pro. In a restaurant setting, the customer is able to see what makes up the cocktail and choose according to their desire.

The database has the cocktail name, drink type, recipe, method, glass, garnish and top up. In addition, some information on where, when and by whom or in which bar the cocktail was first created to add some interesting details.

Entities

Note: Colours match ERD for easy reference

Entity: Cocktail_Name

Entity function: Parent entity listing the cocktail names

Column Name	cocktail_name_id	cocktail_name
Primary/ Foreign Key	Primary Key	
Description	Unique number representing the cocktail ID	Cocktail Name
Null/Not Null	Not Null Unique	Not Null
Datatype	integer	varchar(50)

Entity: Method

Entity function: List the methods needed to make different types of cocktails

Column Name	method_id	method_name
Primary/ Foreign Key	Primary Key	
Description	Unique number representing the method ID	Method description
Null/Not Null	Not Null	Not Null
Datatype	integer	varchar(50)

Entity: Top_Up

Entity function: List the top ups needed to make different types of cocktails

Column Name	top_up_id	top_up_name
Primary/ Foreign Key	Primary Key	
Description	Unique number representing the top up ID	Top up description
Null/Not Null	Not Null	Not Null
Datatype	integer	varchar(50)

Entity: Drink_Type

Entity function: List types of cocktails

Column Name	drink_type_id	drink_type_name
Primary/ Foreign Key	Primary Key	
Description	Unique number	Type of cocktail

	representing the drink type ID	
Null/Not Null	Not Null	Not Null
Datatype	integer	varchar(50)

Entity: Glass_Type

Entity function: Lists types of glasses

Column Name	glass_type_id	glass_type_name
Primary/ Foreign Key	Primary Key	
Description	Unique number representing the glass type ID	Type of glass
Null/Not Null	Not Null	Not Null
Datatype	integer	varchar(50)

Entity: Cocktail_Details

Entity function: Relates the cocktail name to its drink type, the method used to create the drink, the glass it is served in as well as the top up needed, if applicable.

Column Name	CD_id	CD_cocktail_name_ID	CD_drink_type_ID	CD_method_ID	CD_glass_type_ID	CD_top_up_ID
Primary/ Foreign Key	Primary Key	Foreign Key	Foreign Key	Foreign Key	Foreign Key	Foreign Key
Description	Unique number representing the cocktail details ID	Cocktail Name ID that is being referenced	Drink type ID referenced	Method ID referenced	Glass type ID referenced	Top up ID referenced
Null/Not Null	Not Null	Not Null	Not Null	Null	Null	Null
FK Table		Cocktail_Name	Drink_Type	Method	Glass_Type	Top_Up
FK Column		cocktail_name_id	drink_type_ID	method_ID	glass_type_ID	top_up_ID
Datatype	integer	integer	integer	integer	integer	integer

Entity: Ingredients**Entity function:** Lists all ingredients needed to create the cocktails

Column Name	ingredient_id	ingredient_name
Primary/ Foreign Key	Primary Key	
Description	Unique number representing the ingredient ID	Ingredient name
Null/Not Null	Not Null	Not Null
Datatype	integer	varchar(50)

Entity: Measurements**Entity function:** Lists measurement types needed to measure the cocktail ingredients.

Column Name	measurement_id	measurement_name
Primary/ Foreign Key	Primary Key	
Description	Unique number representing the measurement ID	Measurement name
Null/Not Null	Not Null	Not Null
Datatype	integer	varchar(50)

Entity: Cocktail_Recipe**Entity function:** Relates the cocktail to ingredients needed as well as the quantity and measurement associated with each ingredient

Column Name	CR_id	CR_cocktail_name_ID	Quantity	CR_measurement_ID	CR_ingredient_ID
Primary/ Foreign Key	Primary Key	Foreign Key		Foreign Key	Foreign Key
Description	Unique number representing the cocktail recipe ID	Cocktail Name ID that is being referenced	Quantity needed for each ingredient	Measurement ID referenced	Ingredient ID referenced that is needed for the cocktail
Null/Not Null	Not Null	Not Null	Not Null	Not Null	Not Null
FK Table		Cocktail_Name		Measurements	Ingredients
FK Column		cocktail_name_id		measurement_ID	ingredient_ID
Datatype	integer	integer	float	integer	integer

Entity: Garnish**Entity function:** List the ingredients needed for garnishes

Column Name	garnish_id	garnish_name
Primary/ Foreign Key	Primary Key	
Description	Unique number representing the garnish ID	Garnish ingredients
Null/Not Null	Not Null	Not Null
Datatype	integer	varchar(50)

Entity: Cocktail_Garnish**Entity function:** Relates the cocktail name to garnishes if needed

Column Name	CG_id	CG_cocktail_name_ID	CG_garnish_ID
Primary/ Foreign Key	Primary Key	Foreign Key	Foreign Key
Description	Unique number representing the cocktail garnish ID	Cocktail Name ID that is being referenced	Garnish ID that is being referenced
Null/Not Null	Not Null	Not Null	Null
FK Table		Cocktail_Name	Garnish
FK Column		cocktail_name_id	garnish_ID
Datatype	integer	integer	integer

Entity: City_or_State**Entity function:** Lists the city or state that the cocktail originated from

Column Name	city_or_state_id	city_or_state_name
Primary/ Foreign Key	Primary Key	
Description	Unique number representing the city or state ID	City or State name
Null/Not Null	Not Null	Not Null
Datatype	integer	varchar(50)

Entity: Country**Entity function:** Lists the country that the cocktail originated from

Column Name	country_id	country_name
Primary/ Foreign Key	Primary Key	

Description	Unique number representing the country ID	Country name
Null/Not Null	Not Null	Not Null
Datatype	integer	varchar(50)

Entity: Person_or_Bar

Entity function: List the person who created the cocktail or the bar that cocktail was created at.

Column Name	person_or_bar_id	person_or_bar_name
Primary/ Foreign Key	Primary Key	
Description	Unique number representing the person or bar ID	Person or bar name
Null/Not Null	Not Null	Not Null
Datatype	integer	varchar(100)

Entity: Cocktail_Origin

Entity function: Relates the cocktail name to the city/state and country that it originated from, the person who created it or bar it was created in as well as the year created.

Column Name	CO_id	CO_cocktail_name_ID	CO_city_or_state_ID	CO_country_ID	CO_person_or_bar_ID	year_created
Primary/ Foreign Key	Primary Key	Foreign Key	Foreign Key	Foreign Key	Foreign Key	
Description	Unique number representing the cocktail originID	Cocktail Name ID that is being referenced	City or State ID that is being referenced	Country ID that is being referenced	Person or bar ID that is being referenced	Year created (if the format is not given in YYYY, an error will be returned)
Null/Not Null	Not Null	Not Null	Null	Null	Null	Null
FK Table		Cocktail_Name	City_or_State	Country	person_or_bar	
FK Column		cocktail_name_id	city_or_state_ID	country_ID	person_or_bar_ID	
Datatype	integer	integer	integer	integer	integer	varchar(4)

Entities Relationship Diagram

