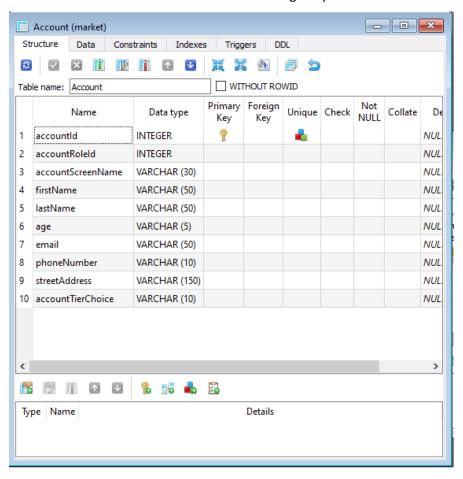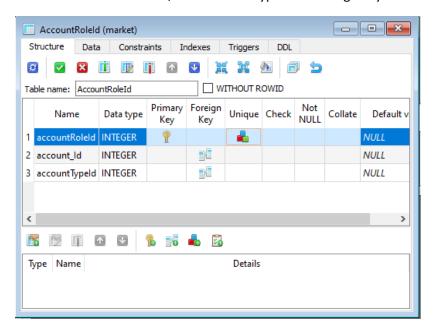<u>Database Update</u>

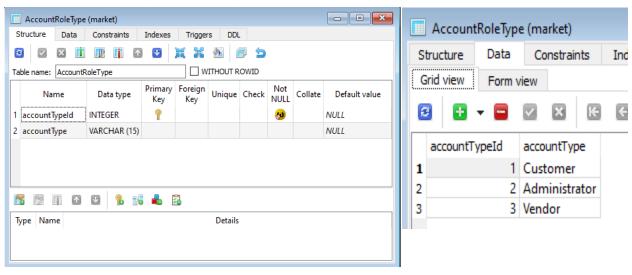1. Left 'Account' table as is. Removed all foreign key constraints that were on the Accounts table. The Accounts table is one of the 'parent' tables in our database. There are also children tables. I added the foreign keys to the child tables to obtain from their parents.
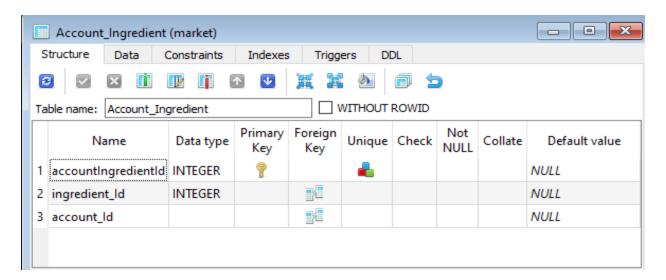

2. Updated 'AccountRoleId' (Child table of Account and AccountRoleType Tables)
   a. Allocated 'accountRoleId' as unique primary key. Adding 'account_Id' as the foreign key to account table, and 'accountTypeId' as foreign key to 'AccountRoleType' table.

3. Created a new table called 'AccountRoleType'. (This is another parent table, no foreign keys used here).
    a. that holds the name of each account type. 'accountTypeId' is primary key, and corresponds to customer, administrator, vendor:

4. Created 'Account_Ingredient' table. (Child table of Account and Ingredient)

    a. Contains 'accountIngredientId' as unique primary key. 'account_Id' as foreign key to 'Account' table, and 'ingredient_Id' as foreign key to 'Ingredient' table.

5. Updated Ingredient table. (This is another parent table, no foreign keys used here).

   a. Removed 'accountScreenName' and 'streetAddress' from table.

   b. Added 'qtyAvail' to table.

   c. Updated 'ingredientName' to have unique constraint because multiple vendors could sell the same product (i.e carrots. Account Five and account 6 could both sell carrots.)

6. Updated Recipe table. (This is another parent table, no foreign keys used here).

   a. Removed 'inventoryId' and 'ingredientName'

   b. Added 'recipeInstruction' for user to add how to make recipe.

Recipe (market)

	Name	Data type	Primary Key	Foreign Key	Unique	Check	Not NULL	Collate	Default value
1	recipeId	INTEGER	🔑						NULL
2	recipeTitle	VARCHAR (255)							NULL
3	adjPortionSize	INTEGER							NULL
4	recipeInstruction	VARCHAR (500)							NULL
5	defaultServingSize	INTEGER							NULL
6	alternativeRecipe	VARCHAR (75)							NULL
7	faveRecipe	VARCHAR (5)							NULL

Table name: Recipe ☐ WITHOUT ROWID

Type Name Details

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7. Created 'recipe_Ingredients' table. (Child table of Ingredients and Recipe)
    a. Allocated 'recipeIngredientId' as unique primary key.
    b. Allocated 'recipe_Id' as foreign key of Recipe table.
    c. Allocated 'ingredient_Id" as foreign key of Ingredient table.

Recipe_Ingredients (market)

Table name: Recipe_Ingredients ☐ WITHOUT ROWID

	Name	Data type	Primary Key	Foreign Key	Unique	Check	Not NULL	Collate	Default value
1	recipeIngredientId	INTEGER	🔑		▪				NULL
2	recipe_Id	INTEGER		📇					NULL
3	ingredient_Id	INTEGER		📇					NULL

Type Name Details

8. Created 'Account_Recipe' table. (Child Table of Account and Recipe).
    a. Allocated 'accountRecipeId' as unique primary key.
    b. Allocated 'account_Id' as foreign key to Account table.
    c. Allocared 'recipe_Id' as foreign key to Recipe table.

9. Updated 'calendarMenu' as is. (Child table to Recipe table)
    a. Allocated 'menuId' as unique primary key.
    b. Allocated 'recipeId' as foreign key to Recipe table.

10. Created 'account_Menu' (Child table of 'CalendarMenu' and 'Account'. Because one account can make multiple calendars)
    a. Allocated 'accountMenuId as unique primary key.
    b. Allocated 'menu_Id' as foreign key to CalendarMenu table.
    c. Allocated 'account_Id' as foreign key to Account table.

account_Menu (market)

Structure | Data | Constraints | Indexes | Triggers | DDL

Table name: account_Menu   ☐ WITHOUT ROWID

	Name	Data type	Primary Key	Foreign Key	Unique	Check	Not NULL	Collate	Default value
1	accountMenuId	INTEGER	🔑		🟦				NULL
2	menu_Id	INT							NULL
3	account_Id	INTEGER							NULL

Type | Name | Details

11. Updated InventoryLookup. (Parent table no foreign keys on this table)
    a. Allocated 'inventoryId' as unique primary key.
    b. Removed 'qtyAvailable', 'accountScreenName',' ingredientId', 'streetAddress', 'ingredientName' from table.

InventoryLookup (market)

Structure | Data | Constraints | Indexes | Triggers | DDL

Table name: InventoryLookup   ☐ WITHOUT ROWID

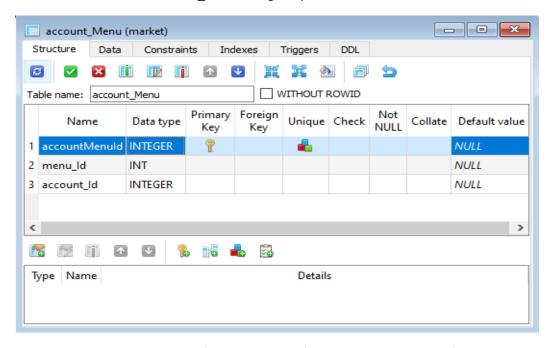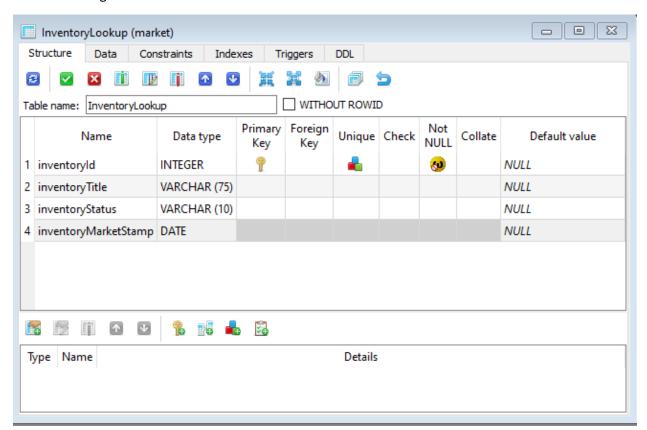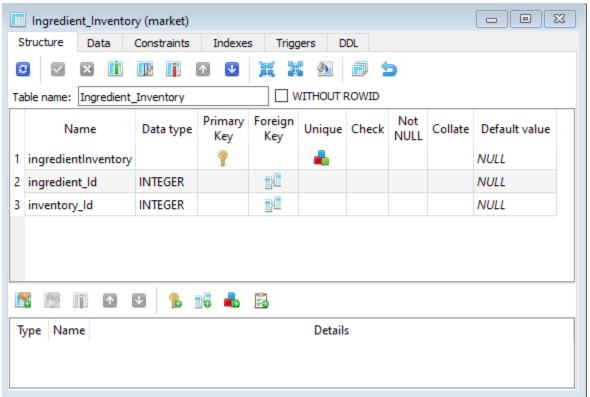|	Name	Data type	Primary Key	Foreign Key	Unique	Check	Not NULL	Collate	Default value
1	inventoryId	INTEGER	🔑		🟦		🔵		NULL
2	inventoryTitle	VARCHAR (75)							NULL
3	inventoryStatus	VARCHAR (10)							NULL
4	inventoryMarketStamp	DATE							NULL

Type | Name | Details

12. Created 'Ingredient_Inventory' table. (child table of Ingredient and InventoryLookup table)
   a. Allocated 'ingredientInventory' as unique primary key.
   b. Allocated 'ingredient_Id' as foreign key to 'Ingredient' table.
   c. Allocated 'inventory_Id' as foreign key to 'InventoryLookup' table.

Ingredient_Inventory (market)

Structure | Data | Constraints | Indexes | Triggers | DDL

Table name: Ingredient_Inventory ☐ WITHOUT ROWID

	Name	Data type	Primary Key	Foreign Key	Unique	Check	Not NULL	Collate	Default value
1	ingredientInventory		🔑		▣				NULL
2	ingredient_Id	INTEGER		▣					NULL
3	inventory_Id	INTEGER		▣					NULL

Type | Name | Details

13. Created Account_InventoryLU. (child table of Account and Inventory Lookup table)
   a. Allocated accountLId as unique primary key.
   b. Allocated 'account_Id' as foreign key to account table.
   c. Allocated 'inventory_Id' as foreign key to InventoryLookup table.

Account_InventoryLU (market)

Structure | Data | Constraints | Indexes | Triggers | DDL

Table name: Account_InventoryLU ☐ WITHOUT ROWID

	Name	Data type	Primary Key	Foreign Key	Unique	Check	Not NULL	Collate	Default value
1	accountLId	INTEGER	🔑		▣				NULL
2	account_Id	INTEGER		▣					NULL
3	inventory_Id	INTEGER		▣					NULL

Type | Name | Details