# Flour & Flowers

## Contribution % of each team member

Names	Contribution %
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## **Problem Domain and Solution**

## Miniworld: Flour&Flowers

There is one business Flour&Flowers. The scope of this example includes customers, suppliers, and facilities. Out of scope are external delivery service and partner sellers.

#### **Business Rules**

- 1. Each customer must have a name, a phone number, an address, email, payment method. A customer may place several orders to be fulfilled.
- 2. The orders to be fulfilled must be fulfilled within a week.
- 3. Each supplier (flowers or ingredients) has a representative, which has a name, phone number, email, and address of business
- 4. Each employee will have a name (first, middle, last), employee ID, manager ID, email, phone number, job type.
- 5. Each manager will have a name (first, middle, last), employee ID, phone number, email, phone number, job type.
- 6. Each employee will be either an hourly employee or a salaried employee based on job type.
- 7. The storage inventory consists of what supplies we have, how much of these supplies we have, and what type of products (baked goods or flowers) they are used for.
- 8. Each store will offer a variety of products, like Pops&Pansies, Cupcakes&Chrysanthemums, RedVelvet&Roses, etc.
- 9. The business purchases several types of flowers from the suppliers. These will include flowers such as Roses, Pansies, etc. Each of these flowers will have attributes such as colors, price, type, etc.

## **Major Entity Types**

#### **Flowers**

flowers are one of the products our business will sell, which will include a variety of flowers. It is a core component of our mini-world, and it will be supplied with every order purchased. Flowers interact with the baked goods as they will be sold with the baked goods, purchased from the suppliers, and be stored in the facilities.

## Baked goods

The baked goods entity will include the different baked goods that will be sold. The baked goods are a core component of the mini-world and will be included in every purchase. The baked goods entity type interacts with the Flowers entity type as they will be sold together, purchased from the suppliers, and be stored in the facilities.

## Suppliers

The suppliers will include the providers of raw ingredients. These include flour, sugar, eggs, baking powder suppliers, etc. The suppliers also include the suppliers of flowers and other bouquet-making materials. The Suppliers will interact with the Manager as the manager deals with inventory and stock.

### **Customers**

A customer is a consumer that buys goods from our facility. We will collect the customer's name, contact information, and payment method to fulfill the order that they placed.

#### Orders

The customer will place an order on our website or in-person at our facility, and we will be in charge of providing these customers with the products that they desire to buy. We will link an order id to a list of products that were ordered.

## **Employees**

The employee is someone who works at the facility for a wage, and will have several job types. They will help bake the goods, put the product together, and serve them to our customers. The employees also have a facility that they work in.

#### **Products Offered**

The products offered are what we sell to our customers. These are the premade baked goods and flower combos that are available for customers to purchase.

## **Storage Inventory**

The storage inventory contains information on what supplies we have and how much of the supplies are available to use. It includes flowers and supplies for baked goods.

# Assumptions on how many tables, relationships discovered, and volumes of data

## How many tables

We assume we will have around 8 tables.

## How many relationships

We assume there will be 8 relationships.

The relationships will consist of

A Customer places an Order, a Baked\_good is a Product, Flowers are a Product, an Order can consist of one or more Products, Employees handle the order, Employees that are managers manage the supplier, A Supplier provides supplies for the storage inventory, A Product is made using supplies in the storage inventory.

## Volumes of data

• We estimate that we will have 500 orders per year and employ 10 employees a year.

## **Summary**

This business will sell flowers with baked goods. We will provide information on orders, customers, inventory, product offerings, and employees to the users of our database.

## **Data Dictionary for the Schema**

Table	Table Description	Primary Key	SuperKey	Attributes				Foreign Key
Customer	A customer	Customer_I	(Customer_ID,				1	Order_ID
	is a consumer	D	Name, C Phone,	Attribute	Data Type	Domain		
	that buys goods from our facility.		C_Email, Payment, Order_ID	Customer_ ID	TINYINT, width 3	Integers greater than 0		
				Name	VARCHAR	Any string		
				C_Phone_no	BIGINT, width 10	Any positive integer		
				C_Email	VARCHAR	Any string		
Orders			(Order_ID,		T			Customer_ID
	customer Baked_go Date,		Flowers, Baked_goods, Date, Customer_ID)	Attribute	Data Type	Domain		
		1 '		Order_ID	TINYINT, width 3	Integers greater than 0		
				Flowers	VARCHAR	Any string		
				Baked_ goods	VARCHAR	Any string		
				Date	DATETIME	Current date		
				Customer_I D	TINYINT, width 3	Integers greater than 0		
G 1:		G 1:	(G 1: ***					
Supplier	providers of Supply_Type		(Supplier_ID,   Supply_Type,   Supplier_Name	Attribute	Data Type	Domain		
	ingredients to make the goods.		, S_Email, S_Phone_#)	Supplier _ID	TINYINT, width 3	Integers greater		

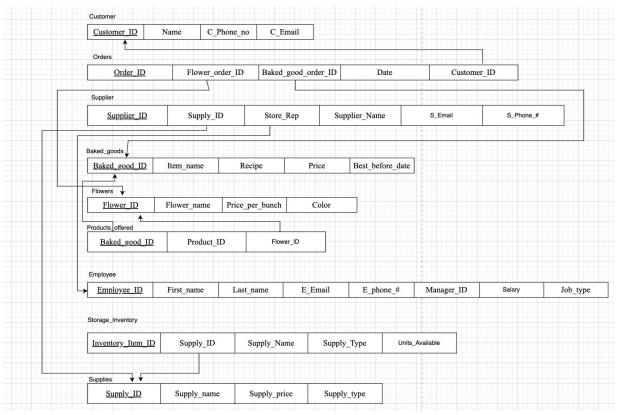
					T	
						than 0
				Supply_ID	SET	Several values from a different list of supplies
				Store_Rep	TINYINT(3)	String up to 3 letters
				Supplier_ Name	VARCHAR	Any String
				S_Phone_ #	BIGINT	Width 10
				S_Email	VARCHAR	Any String
Baked_go ods	goods such as cookies,  JD D, Item_name, Recipe, Price,		Attributes	Data Type	Domain	
cı ca th			Best_before_da	Baked_goo d_ID	TINYINT, width 3	Integers greater than 0
		Item_name	VARCHAR	Any string, unique		
			Supplies	SET	Several values from given list	
				Recipe	VARCHAR	Any string
				Price	FLOAT	size, 4
				Best_befor e_date	DATE	
TI.	TI.					
Flowers	The different flowers that	Flower_ID	(Flower_ID, Flower_name, Price_per_bunc	Attribute	Data Type	Domain
	the store has available to sell. These		h, Color)	Flower_ID	TINYINT, width 3	Integers greater than 0

	flowers can be used to create bouquets that go with the final product.			Flower_na me  Price_per_ bunch  Color	ENUM FLOAT ENUM	Any value from the enum size, 2  Any value from the enum	
Products_ offered	These are the premade	Product_ID	(Product_ID, Baked_good_I	[	I		Baked_good_ ID,
Officied	baked goods		D, Flower_ID)	Attribute	Data Type	Domain	Flower_ID
	and flower combos that are available for			Baked_goo d_ID	TINYINT, width 3	Integers greater than 0	
	available for customers to purchase.		Product_ID	TINYINT, width 3	Integers greater than 0		
				Flower_ID	TINYINT, width 3	Integers greater than 0	
Employee	The	Employee_I	(Employee_ID,		Τ		Employee_ID
	employees work at the	D	First_name, Last_name, E_Phone, E_Email, Job_Title,	Attribute	Data Type	Domain	
	facility for a wage, and there are several job			E_Email, Job_Title,	E_Email, ID width 3		Integers greater than 0
	types. This table contains information on all the employees of the facility	Salary,	First_name	VARCHAR (50)	Any String		
			Last_ name	VARCHAR (50)	Any String		
			E_Email	VARCHAR (15)	Any String		
			E_Phone	BIGINT, width 10	Any positive integer		
				Manager_I D	INT, width 5	Integers greater than	

				Salary	INT, width	0 Integers greater than	
				Job_Type	ENUM	Any value from the enum	
C4	This	Consults ID	(Incompany Ita				Comp. les
Storage_ Inventory	This contains information	Supply_ID	(Inventory_Ite m_ID, Supply_id,	Attribute	Data Type	Domain	Supply _ID
	on what supplies and how much		Supply_Name, units_available, Supply_type)	Inventory_I tem_ID	TINYINT, width 3	Integers greater than 0	
	of the supplies are available to use.		Supply_ID	TINYINT, width 3	Integers greater than 0		
				Supply_Na me	VARCHAR	Any string	
			Supply_Ty pe	ENUM	Any value from enum		
				Units_Avai lable	INT	Integers greater than 0	
Supplies	This contains information on what supplies and how much of the supplies are available to	Supply_ID	(Supply_id, Supply_Name, Supply_price, Supplier_type)	Attribute	Data Type	Domain	Supply _ID
o s h o s a		what Supplier_type) blies and much se blies are		Supply_ID	TINYINT, width 3	Integers greater than 0	
				Supply_Na me	VARCHAR	Any string	
	use.		Supply_pri ce	FLOAT(4,2	Any value from enum		
				Supply_typ e	SET	Integers greater than 0	
					ı		

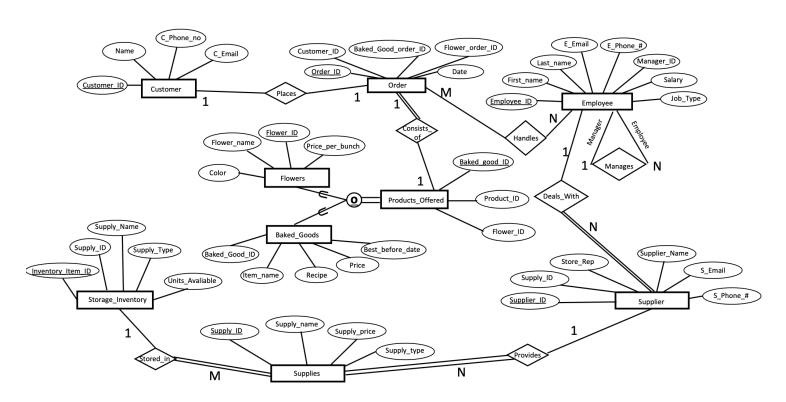
## **Supporting Schema Diagram**

Tools Used: draw.io



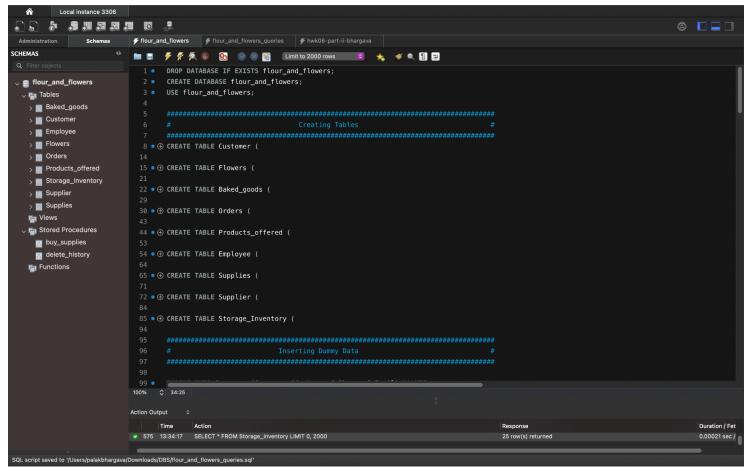
## **Entity Relationship Diagram (ERD)**

Tool Used: MS Powerpoint



## **Database and SQL**

## Screenshot of the Database tool work area



# **Specific screenshots of how the tool supports SQL SELECTS:**

#### **CREATE, DROP, USE:**

```
1 • DROP DATABASE IF EXISTS flour_and_flowers;
2 • CREATE DATABASE flour_and_flowers;
3 • USE flour_and_flowers;
4
```

### **INSERTS:**

```
INSERT INTO Customer (Customer_id, Name, C_Phone, C_Email) VALUES
         (1, 'Palak', 1234567890, 'palak@gmail.com'),
121 •
       INSERT INTO Baked_goods (Baked_good_ID, Item_name, Recipe, Price, Best_before_date) VALUES
       (1, 'cupcakes', 'eggs+flour+sugar', '8.99', '2022-04-12'),
       (2, 'brownies', 'eggs+flour+sugar+dark chocolate chips', '12.99', '2022-04-12'),
132
        INSERT INTO Flowers (Flower_ID, Flower_name, Price_per_bunch, Color) VALUES
134
        (1, 'Lilies', 5.99, 'Purple'),
        (2, 'Daisies', 8.99, 'White'),
135
145 •
      INSERT INTO Orders (Order_ID, Flower_order_ID, Baked_good_order_ID, Date, Customer_id) VALUES
      (1, 6, 1, '2022-04-20', 1),
      (2, 2, 2, '2022-04-3', 2),
```

```
171
172 •
          INSERT INTO Products_offered (Product_ID, Baked_good_ID, Flower_ID) VALUES
173
          (1, 2, 1),
174
      INSERT INTO Employee (Employee_ID, First_name, Last_name, E_Phone, E_Email, Manager_ID, Salary, Job_type) VALUES
       (1, 'Michael', 'Scott', 1234567890, 'prisonmike@gmail.com', null, 100000, 'Owner'),
       (2, 'Jim', 'Halpert', 1234567890, 'jimothy@gmail.com', null, 80000, 'Manager'),
(3, 'Pam', 'Beasley', 1234567890, 'artsypam@gmail.com', 10012, 50000, 'Customer')
203
204
         INSERT INTO Supplies(Supply_ID, Supply_name, Supply_price, Supply_type) VALUES
          (1, 'Dark Chocolate Chips', 3.99, 'Baking'),
205
206
          (2, '0il', 5.99, 'Baking'),
             'Flour', 2.99, 'Baking')
      INSERT INTO Storage_Inventory (Inventory_item_ID, Supply_id, Supply_Name, Supply_Type, units_available) VALUES
      (1, 1, 'Dark Chocolate Chips', 'Baking', 25),
258 •
       INSERT INTO Supplier (Supplier_ID, Supplier_Name, S_Email, S_Phone, Supply_ID, Store_Rep) VALUES
       (1, 'walmart', 'walmart@gmail.com', 1234567890, 1, 2),
        (2, 'BobTheBuilder', 'bob@gmail.com', 1234567890, 13, 2),
```

#### DELETE:

```
#Stored procedure to delete orders that were made __ months before the current date.
#Helps with maintaining the size of the table

DROP PROCEDURE IF EXISTS delete_history;

DELIMITER $$
CREATE PROCEDURE delete_history(IN num_months TINYINT)

BEGIN

SET SOL_SAFE_UPDATES = 0;
DELETE FROM Orders
WHERE Date < DATE_ADD(CURDATE(), INTERVAL -num_months MONTH);
SET SOL_SAFE_UPDATES = 1;

END $$

DELIMITER;

CALL delete_history(2);

SELECT * FROM Orders;</pre>
```

## **UPDATE:**

```
#Stored procedure that updates the storage inventory when items are purchased DROP PROCEDURE IF EXISTS buy_supplies;

DELIMITER $$
CREATE PROCEDURE buy_supplies(IN supply_bought TINYINT, amount_bought TINYINT)

BEGIN

UPDATE Storage_Inventory

SET units_available = (units_available + amount_bought)

WHERE Inventory_item_ID = supply_bought;
END $$

DELIMITER;

CALL buy_supplies(1, 10);

SELECT * FROM Storage_Inventory;
```

## **Data Generation**

Table Name	Planned Size
Customer	3000 customers per year
Baked_goods	10 baked goods (with variations)
Flowers	10 different flowers
Orders	5000 orders per year
Products_offered	120 products (baked good + flower combos, plus flowers and baked good offered individually)
Employee	20 employees
Storage_inventory	40 individual items ranging from 10-50 units each
Supplier	5-10 suppliers
Supplies	40 items

## **Table Data**

Table Name	Row/Tuple with Data
Customer	Customer_id Name C_Phone C_Email  ▶ 1 Palak 1234567890 palak@gmail.com
Baked_goods	Baked_go     Item_name     Recipe     Price     Best_before_date       ▶     1     cupcakes     eggs+flour+sugar     8.99     2022-04-12
Flowers	Flower_ID Flower_name Price_per_bunch Color  1 Lilies 5.99 Purple
Orders	Order_ID Flower_order_ID Baked_good_order_ID Date Customer_id  1 2022-04-20 1
Products_offered	Product_ID Baked_good_ID Flower_ID  1 2 1
Employee	Employee_ID       First_name       Last_name       E_Email       E_Phone       Manager_ID       Salary       Job_Type         ▶       1       Michael       Scott       prisonmike@gmail.com       1234567890       NULL       100000       Owner
Storage_inventory	Inventory_item_ID   Supply_ID   Supply_Name   Supply_Type   Units_available    1   Dark Chocolate Chips   Baking   25
Supplier	Supplier_ID Supplier_name S_Phone S_Email Supply_ID Store_Rep    1   walmart   1234567890   walmart@gmail.com   1   2
Supplies	Supply_ID Supply_name Supply_price Supply_type  1 Dark Chocolate Chips 3.99 Baking

## **Data Queries**

## #1: Show a count of the largest population

```
#Counts the total number of customers that have purchased from the business
SELECT COUNT(*) AS Num_Customers
FROM Customer;
```

Num_Customers	
▶ 20	

## #2: Show a listing of a key entity in the database

```
#Lists all the baked goods that the shop offers
SELECT Item_name
FROM Baked_goods;

#lists all the employees that work at this shop and their job type
SELECT First_name, Last_name, Job_type
FROM Employee;
```

	Item_name				
▶	blondies				
	brownies				
	cake pops				
	chocolate croissants	13.7			
	cookies				
	cupcakes				
	eclairs				
	mini bundt cakes	12.7			
	muffins				
	pie				

First_name Last_name Job_type					
▶	Michael	Scott	Owner		
	Jim	Halpert	Manager		
	Pam	Beasley	Customer Service		
	Erin	Hannon	Customer Service		
	Dwight	Schrute	Baker		
	Andy	Bernard	Baker		
	Angela	Martin	Baker		
	Oscar	Martinez	Packager		

## #3: Show a list of entities that must function together (a join)

```
#Counts the number of orders made by each customer
SELECT C.Name, COUNT(*) AS Num_orders
FROM Orders 0
INNER JOIN Customer C ON O.Customer_ID = C.Customer_ID
GROUP BY C.Name
ORDER BY Num_orders DESC, C.Name;
```

	Name	Num_orders	
▶	Donna	3	
	Leslie	2	
	Ron	2	
	Winston	2	
	Aly	1	
	Anchal	1	
	Andy	1	
	Ann	1	
	April	1	
	Ben	1	
	Cece	1	

Cece	1	
Chris	1	
Jerry	1	
Jess	1	
Nick	1	
Palak	1	
Sandra	1	
Schmidt	1	
Tom	1	
Varsha	1	

#4: Show the cost of an occurrence, derived using aggregate functions

	Flower_earnings	BG_earnings	Total_earnings	
Þ	63.91	99.91	163.82	

#5: Show a schedule for multiple occurrences, sorted by date and time

```
#Shows all the Orders made by customers during a specific week
SELECT 0.0rder_ID, 0.Date, C.Name
From Orders 0
JOIN Customer C ON 0.Customer_id = C.Customer_id
WHERE 0.Date >='2022-04-10' AND 0.Date <= '2022-04-16';</pre>
```

	Order_ID	Date	Name
▶	4	2022-04-12	Anchal
	6	2022-04-15	Leslie
	8	2022-04-13	April
	10	2022-04-11	Ben
	12	2022-04-14	Tom
Г	15	2022-04-16	Donna
	19	2022-04-11	Jess
	22	2022-04-12	Winston
	25	2022-04-16	Aly
	and and and		

## **Implementation Log**

## [4/12/22 3:37PM] - Created flour&flowers.sql

## - **CUSTOMER** table [4/12/22 3:52PM]

- Customer\_id TINYINT(3) PRIMARY KEY AUTO\_INCREMENT,

- Name VARCHAR(255) NOT NULL,

C\_Phone BIGINT(10) NOT NULL,
 C\_Email VARCHAR(255) NOT NULL,
 Order\_ID TINYINT(3) NOT NULL,
 Payment VARCHAR NOT NULL,

- CONSTRAINT orderID\_fk\_order
- FOREIGN KEY (Order\_ID)
- REFERENCES Orders (Order ID)

## - ORDERS table [4/12/22 3:55PM]

- Order\_ID TINYINT(3) PRIMARY KEY AUTO\_INCREMENT,

Flowers VARCHAR(255) NOT NULL,

Baked\_goods VARCHAR(255) NOT NULL,

- Date DATETIME NOT NULL,

## FLOWERS table [4/12/22 3:59 PM]

- Flower\_ID TINYINT(3) PRIMARY KEY AUTO\_INCREMENT,
- Flower\_name VARCHAR(255) NOT NULL UNIQUE,
- Price\_per\_bunch FLOAT(4, 2) NOT NULL,
- Color SET('Red', 'Pink', 'White') NOT NULL

## - BAKED GOODS table [4/12/22 4:02 PM)

- Baked\_good\_ID TINYINT(3) PRIMARY KEY AUTO\_INCREMENT,
- Item\_name VARCHAR(255) NOT NULL UNIQUE,
- Recipe VARCHAR(255) NOT NULL,
- Supplies SET('Flour', 'Sugar', 'Eggs'),
- Price FLOAT(4, 2) NOT NULL,
- Best before date DATE NOT NULL

-

## PRODUCTS\_OFFERED table [4/12/22 4:06 PM)

- Product\_ID TINYINT(3) PRIMARY KEY AUTO\_INCREMENT,
- Baked good ID TINYINT(3),
- Flower ID TINYINT(3),
- FOREIGN KEY (Baked\_good\_ID)
- REFERENCES Baked goods (Baked good ID),
- FOREIGN KEY (Flower ID)
- REFERENCES Flowers (Flower\_ID)

## EMPLOYEE table [4/12/22 4:09 PM)

- Employee\_ID TINYINT(3) PRIMARY KEY AUTO\_INCREMENT,
- First\_name VARCHAR(255) NOT NULL,
- Last name VARCHAR(255) NOT NULL,

- E Email VARCHAR(255) NOT NULL,
- E\_Phone BIGINT(10) NOT NULL,
- Manager\_ID INT(5),
- Salary INT(6) NOT NULL,
- Job\_Type SET('Manager', 'Baker', 'Packager') NOT NULL

## SUPPLIER table [4/12/22 4:10 PM)

- Supplier\_ID TINYINT(3) PRIMARY KEY AUTO\_INCREMENT,
- Supplier\_name VARCHAR(255) NOT NULL,
- S\_Phone\_# BIGINT(10) NOT NULL,
- S\_Email VARCHAR(255) NOT NULL,
- Supply\_Type ENUM('Baking', 'Flower', 'Packaging') NOT NULL,

## STORAGE\_INVENTORY [4/12/22 4:21 PM)

- Supply\_ID TINYINT(3) NOT NULL,
- Supply\_Name VARCHAR(255) NOT NULL,
- Supply Type SET('Baking', 'Flower', 'Packaging') NOT NULL,
- Units\_available INT NOT NULL,

## <u>4/14/22</u>

- BAKED\_GOODS table [4/12/22 12:57 PM]
  - Baked\_good\_ID TINYINT(3) PRIMARY KEY AUTO\_INCREMENT,
  - Item\_name VARCHAR(255) NOT NULL UNIQUE,
  - Recipe VARCHAR(255) NOT NULL,
  - Supplies SET('Flour', 'Sugar', 'Eggs'),
  - Price FLOAT(4, 2) NOT NULL,
  - Best\_before\_date DATE NOT NULL

## CUSTOMER table [4/14/22 1:13PM]

- Customer\_id TINYINT(3) PRIMARY KEY AUTO\_INCREMENT,
- Name VARCHAR(255) NOT NULL,
- C\_Phone BIGINT(10) NOT NULL,
   C\_Email VARCHAR(255) NOT NULL,
   Order ID TINYINT(3) NOT NULL;
- CONSTRAINT orderID\_fk\_order
- FOREIGN KEY (Order ID)
- REFERENCES Orders (Order\_ID)

## - **SUPPLIER table** [4/12/22 4:10 PM)

- Supplier\_ID TINYINT(3) PRIMARY KEY AUTO\_INCREMENT,
- Supplier name VARCHAR(255) NOT NULL,
- S\_Phone BIGINT(10) NOT NULL,
- S\_Email VARCHAR(255) NOT NULL,
- Supply\_Type ENUM('Baking', 'Flower', 'Packaging') NOT NULL,

## 4/17/22

- FLOWERS table [4/12/22 3:59 PM]
  - Flower ID TINYINT(3) PRIMARY KEY AUTO INCREMENT,
  - Flower name VARCHAR(255) NOT NULL UNIQUE,
  - Price per bunch FLOAT(4, 2) NOT NULL,
  - Color SET('Red', 'Pink', 'White', 'Purple', 'Blue') NOT NULL
- SUPPLIER table [4/12/22 4:10 PM)
  - Supplier ID TINYINT(3) PRIMARY KEY AUTO INCREMENT,
  - Supplier name VARCHAR(255) NOT NULL,
  - S\_Phone BIGINT(10) NOT NULL,
  - S Email VARCHAR(255) NOT NULL,
  - Supply\_Type **SET**('Baking', 'Flower', 'Packaging') NOT NULL,
- SUPPLIER table [4/12/22 7:22 PM)
  - Supplier ID TINYINT(3) PRIMARY KEY AUTO INCREMENT,
  - Supplier name VARCHAR(255) NOT NULL,
  - S Phone BIGINT(10) NOT NULL,
  - S\_Email VARCHAR(255) NOT NULL,
  - Supply\_Type SET('Baking', 'Flower', 'Packaging') NOT NULL,
  - Supply\_ID TINYINT(3) NOT NULL,
  - FOREIGN KEY (Supply ID)
  - REFERENCES Supplies (Supply\_ID);

#### 4/27/22

- **CUSTOMER** table [4/27/22 2:17PM]
  - Customer id TINYINT(3) PRIMARY KEY AUTO INCREMENT,

- Name VARCHAR(255) NOT NULL,

C\_Phone BIGINT(10) NOT NULL,
 C\_Email VARCHAR(255) NOT NULL,
 Order\_ID TINYINT(3) NOT NULL,
 Payment VARCHAR NOT NULL;

- CONSTRAINT orderID fk order
- FOREIGN KEY (Order\_ID)
- REFERENCES Orders (Order ID)
- ORDERS table [4/27/22 2:46PM]
  - Order ID TINYINT(3) PRIMARY KEY AUTO INCREMENT,
  - Flowers VARCHAR(255) NOT NULL,
  - Baked goods VARCHAR(255) NOT NULL,
  - Date DATETIME NOT NULL,
  - Customer id TINYINT(3) NOT NULL,
  - CONSTRAINT custID\_fk\_customer
  - FOREIGN KEY (Customer ID)
  - REFERENCES Customer (Customer\_id)

## - EMPLOYEE table [4/12/22 3:03 PM)

- Employee ID TINYINT(3) PRIMARY KEY AUTO INCREMENT,
- First name VARCHAR(255) NOT NULL,
- Last name VARCHAR(255) NOT NULL.
- E\_Email VARCHAR(255) NOT NULL,
- E\_Phone BIGINT(10) NOT NULL,
- Manager\_ID INT(5),
- Salary INT(6) NOT NULL,
- Job\_Type SET('Manager', 'Baker', 'Packager', 'Customer Service', 'Owner')
   NOT NULL

## - **SUPPLIER table** [4/27/22 3:27 PM]

- Supplier\_ID TINYINT(3) PRIMARY KEY AUTO\_INCREMENT,
- Supplier name VARCHAR(255) NOT NULL,
- S Phone BIGINT(10) NOT NULL,
- S\_Email VARCHAR(255) NOT NULL,
- Supply ID TINYINT(3) NOT NULL,
- Store Rep TINYINT(3), NOT NULL,
- FOREIGN KEY (Supply ID)
- REFERENCES Supplies (Supply ID);
- FOREIGN KEY (Store\_Rep)
- REFERENCES Employee (Employee\_ID)

## STORAGE\_INVENTORY table [4/27/22 4:21 PM)

- Inventory\_item\_ID TINYINT(3) PRIMARY KEY AUTO\_INCREMENT,
- Supply ID TINYINT(3) NOT NULL,
- Supply Name VARCHAR(255) NOT NULL,
- Supply\_Type SET('Baking', 'Flower', 'Packaging') NOT NULL,
- Units available INT NOT NULL,
- FOREIGN KEY (Supply ID)
- REFERENCES Supplies (Supply\_ID)

## SUPPLIES table [4/27/22 4:35]

- Supply\_ID TINYINT(3) PRIMARY KEY AUTO\_INCREMENT,
- Supply name VARCHAR(255) NOT NULL,
- Supply\_price FLOAT(4, 2) NOT NULL,
- Supply type SET('Baking', 'Flower', 'Packaging') NOT NULL