## 1

| Table Description |
| --- |
| **Attribute Name** |
| Cust_ID |
| Cust_Status_Id |
| Cust_Type_Id |
| Company Name |
| Cust_First_Name |
| Cust_Middle_Init |
| Cust_Last_Name |
| Cust_Addr_Line1 |
| Cust_Addr_Line2 |
| State_Id |
| Country_Id |
| CustZipCode |
| Cust_Mobile_Phone |
| Work_Phone |
| Cust_Home_Phone |
| Cust_Email_Addr |
| Comments about Customer |

Preferred Customer

## 2

| Table Description |
| --- |
| **Attribute Name** |
| Cust_Status_Id |
| Cust_Status_Description |

## 3

| Table Description |
| --- |
| **Attribute Name** |
| State_Id |
| State_Abbreviation |
| State_Name |
| Country_Id |

## 4

| Table Description |
| --- |
| **Attribute Name** |
| Cust_Type_Id |

| Cust Type Description |
| --- |
| |

**5**

**Table Description**

**Attribute Name**
Order ID
Cust ID
Product ID
Order Date
Pickup Date
Pickup Time
Total Price
Deposit Amount
Payment Method
Sales Staff ID
Last Employee ID
Order Status ID
Is Cancelled
Final Approval ID
Notes / Instructions

**6**

**Table Description**

**Attribute Name**
Order Status ID
Status Description

**7**

**Table Description**

**Attribute Name**
Product ID
Product Name
Base Price
Serves Min
Serves Max
Category ID

**9**

**Table Description**

| Attribute Name |
| --- |
| Option ID |
| Option Name |
| Option Type |
| Extra Cost |
| Is Customizable |

| 10 |
| --- |
| Table Description |

| Attribute Name |
| --- |
| Order ID |
| Option ID |
| Layer Number |
| Quantity |
| Decorator Notes |

| Table Name: |
| --- |
| **Customer are individuals or companies that buy our products.  Focus is on the customers that order** |

| **Required or Optional?** |
| --- |
| Required |
| Required |
| Required |
| Optional |
| Required |
| Optional |
| Required |
| Required |
| Optional |
| Required |
| Required |
| Required |
| Required |
| Optional |
| Optional |
| Optional |
| Optional |
| Optional |

| Table Name: |
| --- |
| **List of valid Customer Statuses and the corresponding descriptions.  Valid Statuses are determined** |

| **Required or Optional?** |
| --- |
| Required |
| Required |

| Table Name: |
| --- |
| **List of all States, Provinces, and Territories for US, Canada, and Mexico.** |

| **Required or Optional?** |
| --- |
| Required |
| Reqired |
| Required |
| Required |

| Table Name: |
| --- |
| **List of all States, Provinces, and Territories for US, Canada, and Mexico.** |

| **Required or Optional?** |
| --- |
| Required |

| Reqired |
| --- |
|  |

A basic lookup table that categorizes customers as either Retail (individual) or Corporate (business) for filt

| **Required or Optional?** |
| --- |
| Required |
| Required |
| Required |
| Required |
| Required |
| Required |
| Required |
| Required |
| Required |
| Required |
| Optional |
| Required |
| Required |
| Optional |
| Optional |

**Table Name:**

The main table that includes all the data associated with a custom cake order such as the pickup date, total

| **Required or Optional?** |
| --- |
| Required |
| Required |

**Table Name:**

A simple overview of each step in the production stages an order goes through, e.g., "In Baking," "Decorat

| **Required or Optional?** |
| --- |
| Required |
| Required |
| Required |
| Optional |
| Optional |
| Required |

**Table Name:**

Lists the base cake sizes and additional products on the initial list (like "8-inch Round") for customizations

**Required or Optional?**

Required

Required

Required

Required

Required

**Table Name:**

Has the complete list of every customizable options available (e.g. cake flavors, icing colors and specialty

**Required or Optional?**

Required

Required

Optional

Optional

Optional

**Customer**

· custom cakes.

| Data Type | Length | Data Format |
|---|---|---|
| Integer | 6 | |
| Integer | 2 | |
| Integer | 2 | |
| Varchar | 60 | |
| Varchar | 25 | |
| Char | 1 | |
| Varchar | 50 | |
| Varchar | 60 | |
| Varchar | 60 | |
| Integer | 2 | |
| Integer | 3 | |
| Char | 10 | |
| Char | 20 | (999) 999-9999 |
| Char | 20 | (999) 999-9999 |
| Char | 20 | (999) 999-9999 |
| Varchar | 40 | |
| Varchar | 1000 | |
| Char | 1 | |

**Customer Status**

by the Business Owner

| Data Type | Length | Data Format |
|---|---|---|
| Int | 2 | |
| Varchar | 60 | |

**State / Province**

| Data Type | Length | Data Format |
|---|---|---|
| Int | | |
| Char | 4 | |
| Varchar | 60 | |
| Int | 3 | |

**Customer Type**

| Data Type | Length | Data Format |
|---|---|---|
| Int | 2 | |

| | Char | 20 | |
| --- | --- | --- | --- |
| | | | |

## Custom Order

tering purposes and tracking sales.

| Data Type | Length | Data Format |
| --- | --- | --- |
| Integer | 9 | |
| Integer | 6 | |
| Integer | 5 | |
| Date | | |
| Date | | |
| Time | | |
| Decimal | 10.2 | |
| Decimal | 10.2 | |
| Varchar | 20 | |
| Integer | 5 | |
| Integer | 5 | |
| Integer | 2 | |
| Char | 1 | Y' or 'N' |
| Integer | 5 | |
| Varchar | 1000 | |

## Order Status

price, deposit, and order taker name.

| Data Type | Length | Data Format |
| --- | --- | --- |
| Integer | 2 | |
| Varchar | 60 | |

## Product

:ing," "Ready for Pickup" for staff workflow.

| Data Type | Length | Data Format |
| --- | --- | --- |
| Integer | 5 | |
| Varchar | 60 | |
| Decimal | 8.2 | |
| Integer | 3 | |
| Integer | 3 | |
| Integer | 2 | |

## Product Option

s as well as the base starting price and servings.

| Data Type | Length | Data Format |
|---|---|---|
| Integer | 5 | |
| Varchar | 60 | |
| Varchar | 30 | |
| Decimal | 8.2 | |
| Char | 1 | 'Y' or 'N' |

## Order Product Option

decorations.

| Data Type | Length | Data Format |
|---|---|---|
| Integer | 9 | |
| Integer | 5 | |
| Integer | 2 | |
| Integer | 3 | |
| Varchar | 255 | |

| Domain (Range of Values) | Default |
|---|---|
| 1 - 999999 | Auto_increment |
| 1 - 99 | Code for Active |
|  | Code for Retail |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
| 1 - 99 | Code for Texas |
| 1 - 999 | Code for USA |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

Y                                                "N"

| Domain (Range of Values) | Default |
|---|---|
| 1 - 99 | Auto_increment |
|  |  |

| Domain (Range of Values) | Default |
|---|---|
|  | Auto_increment |
|  |  |
| 1 - 99 |  |
| 1 - 999 | Code for USA |

| Domain (Range of Values) | Default |
|---|---|
| 1 - 99 | Auto_increment |

| | |
|---|---|
| | |
| | |

| **Domain (Range of Values)** | **Default** |
|---|---|
| 1-999999999 | Auto increment |
| | Current Date |
| $\ge 50\%$ of Total Price | |
| Cash, Debit, Major Credit Cards [37] | |
| | Code for New |
| 'N' | |

| **Domain (Range of Values)** | **Default** |
|---|---|
| | Jan-99 Auto increment |
| To Be Created, In Baking, Decorating, Completed, Picked Up | |

| **Domain (Range of Values)** | **Default** |
|---|---|
| 1-99999 | Auto increment |
| 6-inch Round, Sheet Double Layer, etc. | |

| Domain (Range of Values) | Default |
| --- | --- |
| 1-99999 | Auto increment |
| Vanilla, Red, Fondant Decorations, etc. | |
| Cake Flavor, Filling Flavor, Icing Color, Decoration, etc. | |
| | 0 |
| 'N' | |

| Domain (Range of Values) | Default | |
| --- | --- | --- |
| 1 (bottom-most) | | |
| | 1.2 | 1 |

| PK or FK | Nulls Allowed? |
|----------|----------------|
| PK | No |
| FK | No |
| FK | No |
|  |  |
|  | No |
|  | Yes |
|  | No |
|  | No |
|  | Yes |
| FK | No |
| Fk | No |
|  | No |
|  | No |
|  | Yes |
|  | Yes |
|  | Yes |
|  | Yes |
|  | Yes |

| PK or FK | Nulls Allowed? |
|----------|----------------|
| PK | No |
|  | No |

| PK or FK | Nulls Allowed? |
|----------|----------------|
| PK | No |
|  | No |
|  | No |
| FK | No |

| PK or FK | Nulls Allowed? |
|----------|----------------|
| PK | No |

|  | No |
|---|---|
|  |  |

| PK or FK | Nulls Allowed? |
|---|---|
| PK | No |
| FK | No |
| FK | No |
|  | No |
|  | No |
|  | No |
|  | No |
|  | No |
|  | No |
| FK | No |
| FK | Yes |
| FK | No |
|  | No |
| FK | Yes |
|  | Yes |

| PK or FK | Nulls Allowed? |
|---|---|
| PK | No |
|  | No |

| PK or FK | Nulls Allowed? |
|---|---|
| PK | No |
|  | No |
|  | No |
|  | Yes |
|  | Yes |
| FK | No |

| PK or FK | Nulls Allowed? |
|----------|----------------|
| **PK**   | No             |
|          | No             |
|          | No             |
|          | No             |
|          | No             |

| PK or FK    | Nulls Allowed? |
|-------------|----------------|
| **PK, FK**  | No             |
| **PK, FK**  | No             |
|             | Yes            |
|             | Yes            |
|             | Yes            |

| Description |
| --- |
|  |
| Unique Numeric Id per each unique customer |
| Customer's Current Status with the company.  Applicable statuses determined by Owner. |
| Type of Customer.  (Retail or Corporate) |
|  |
| Customer's First Name or Corporate Contact's First Name |
| Customer's Middle Initial or Corporate Contact's Middle Initial |
| Customer's Last Name or Corporate Contact's Last Name |
| Customer's Address line 1 |
| Customer's Address line 2 |
| Appropriate State Code from the State Table. |
| Appropriate Country Code from the Country Table. |
| Customer's Zip Code |
| Customer's Mobile (CELL) Phone Number |
| Customer's Work Phone Number |
| Customer's Home Phone Number or Corporation's Main Phone Number |
| Customer's Email Address |
| General comments about the Customer |
| Indicates if the customer is "Preferred" and eligible for a discount. |

| Description |
| --- |
|  |
| Unique Numeric Code for each unique customer status. |
| Description of Customer's Current Status with the company.  Applicable statuses determined by Owner. |

| Description |
| --- |
|  |
| Unique Numeric Id per each unique customer |
| State's Abbreviation as determined by the US Postal Service. |
| Full Name of the State, Province, or Territory. |
| Appropriate Country Code from the Country Table. |

| Description |
| --- |
|  |
| Unique ID for the type of customer. |

| Description of the customer type (e.g., Retail, Corporate). |
| --- |
|  |

**Description**

Unique Numeric ID for each custom order.

The customer placing the order. Links to the **Customer**table.

The standard product being customized (One Cake or Product per Order). Links to **Product** table.

Date the custom order was taken.

Scheduled date for pickup (at least 2 days in advance unless exception).

Scheduled time for pickup.

Negotiated total price of the custom order.

Amount paid as the deposit (Customers must pay at least 50% deposit).

Form of payment used for the deposit.

The Sales Staff member who completed the order. Links to an **Employee**table.

Tracks who was the last employee working on an order. Links to an **Employee**table.

Current status of the order (e.g., Baking, Decorating, Ready for Pickup). Links to **Order Status**table.

Indicates if the order was cancelled (can be cancelled prior to baking).

ID of the Bakery Manager or Emily who approved the completed cake. Links to an **Employee**table.

General notes about the custom order.

**Description**

Unique ID for the order status.

Description of the order status, used to remind the bakery when orders need to be made and update the stat

**Description**

Unique ID for each base product (e.g., 8-inch Round Double Layer Cake, Cup Cake).

Name and size of the base product.

The initial price of the product based on size/type.

Minimum number of servings for the cake size.

Maximum number of servings for the cake size.

Category of the product (Cakes, Cup Cakes, etc.). Links to **Product Category**table.

**Description**

Unique ID for each product option.

Name of the specific option (e.g., flavor, color, decoration).

The classification of the option (e.g., Filling Flavors, Icing Colors).

Additional cost associated with this option, if any (pricing information should be captured).

Indicates if this option can be chosen for a custom order.

**Description**

Links to the **Custom Order**table.

Links to the specific **Product Option** chosen for the order.

The layer number this option applies to (e.g., for fillings on multi-tiered cakes).

Number of times the option is applied (e.g., 2 layers of the same filling).

Notes specific to how this option should be applied (e.g., "Buttercream Flowers on top tier only").