Sweet Seoul Korean Bakery Data Dictionary

CUSTOMERS

Field	Data Type	Description	Constraints
customer_id	INT	Unique identifier for each customer	Primary Key, Auto-increment
first_name	STRING	Customer's first name	Not Null
last_name	STRING	Customer's last name	Not Null
email	STRING	Customer's email address	Unique, Not Null
phone	STRING	Customer's phone number	Not Null
join_date	DATE	Date when customer first registered	Not Null, Default Current Date
address	STRING	Customer's street address	Not Null
city	STRING	Customer's city	Not Null
state	STRING	Customer's state/province	Not Null
postal_code	STRING	Customer's postal/zip code	Not Null
is_online_customer	BOOLEAN	Flag indicating if customer shops online	Not Null, Default False
is_in_store_customer	BOOLEAN	Flag indicating if customer shops in-store	Not Null, Default False
loyalty_points	INT	Current loyalty points balance	Not Null, Default 0
loyalty_status	STRING	Current loyalty tier status	Not Null, Default 'Standard'
preferred_communication_method	STRING	Customer's preferred contact method (email/SMS/phone)	Default 'Email'
created_at	TIMESTAMP	Record creation timestamp	Not Null, Default Current Timestamp
updated_at	TIMESTAMP	Record last update timestamp	Not Null, Default Current Timestamp

ORDERS

Field	Data Type	Description	Constraints
order_id	INT	Unique identifier for each order	Primary Key, Auto-increment
customer_id	INT	Foreign key to CUSTOMERS table	Foreign Key, Not Null
order_date	DATE	Date when order was placed	Not Null, Default Current Date
total_amount	DECIMAL	Total order amount including tax and discounts	Not Null
order_status	STRING	Current status of order (pending/processing/shipped/delivered/canceled)	Not Null, Default 'Pending'
payment_method	STRING	Method used for payment	Not Null
marketing_channel_id	INT	Foreign key to MARKETING_CHANNELS table	Foreign Key, Nullable
platform	STRING	Whether order was placed online or in-store	Not Null, Values: 'online'/'in-store'
is_gift	BOOLEAN	Flag indicating if order is a gift	Not Null, Default False
gift_card_id	INT	Foreign key to GIFT_CARDS table if redeemed	Foreign Key, Nullable
created_at	TIMESTAMP	Record creation timestamp	Not Null, Default Current Timestamp
updated_at	TIMESTAMP	Record last update timestamp	Not Null, Default Current Timestamp

ORDER_STATUS_HISTORY

Field	Data Type	Description	Constraints
history_id	INT	Unique identifier for each status history record	Primary Key, Auto-increment
order_id	INT	Foreign key to ORDERS table	Foreign Key, Not Null
previous_status	STRING	Previous order status	Not Null
new_status	STRING	New order status	Not Null
status_change_date	TIMESTAMP	Date and time when status changed	Not Null, Default Current Timestamp
updated_by	STRING	Name or ID of staff who updated the status	Not Null
created_at	TIMESTAMP	Record creation timestamp	Not Null, Default Current Timestamp
updated_at	TIMESTAMP	Record last update timestamp	Not Null, Default Current Timestamp

ORDER_ITEMS

Field	Data Type	Description	Constraints
order_item_id	INT	Unique identifier for each order item	Primary Key, Auto-increment
order_id	INT	Foreign key to ORDERS table	Foreign Key, Not Null
product_id	INT	Foreign key to PRODUCTS table	Foreign Key, Not Null
quantity	INT	Quantity of product ordered	Not Null, Min 1
unit_price	DECIMAL	Price per unit at time of purchase	Not Null
discount	DECIMAL	Discount amount applied to this item	Default 0.00
created_at	TIMESTAMP	Record creation timestamp	Not Null, Default Current Timestamp
updated_at	TIMESTAMP	Record last update timestamp	Not Null, Default Current Timestamp

PRODUCTS

Field	Data Type	Description	Constraints
product_id	INT	Unique identifier for each product	Primary Key, Auto-increment
product_name	STRING	Name of the product	Not Null, Unique
description	STRING	Detailed description of the product	Not Null
category	STRING	Product category	Not Null
origin	STRING	Country or region of origin	Not Null
base_price	DECIMAL	Standard price of the product	Not Null
seasonal	BOOLEAN	Flag indicating if product is seasonal	Not Null, Default False
expiry_date	DATE	Date when product availability ends (for seasonal items)	Nullable
limited_edition	BOOLEAN	Flag indicating if product is limited edition	Not Null, Default False
kpop_anime_tie_in	STRING	K-pop group or anime reference if applicable	Nullable
online_exclusive	BOOLEAN	Flag indicating if product is online-exclusive	Not Null, Default False
in_store_exclusive	BOOLEAN	Flag indicating if product is in-store-exclusive	Not Null, Default False
min_inventory_level	INT	Minimum stock level before reordering	Not Null
created_at	TIMESTAMP	Record creation timestamp	Not Null, Default Current Timestamp
updated_at	TIMESTAMP	Record last update timestamp	Not Null, Default Current Timestamp

INVENTORY

Field	Data Type	Description	Constraints
inventory_id	INT	Unique identifier for each inventory record	Primary Key, Auto-increment
product_id	INT	Foreign key to PRODUCTS table	Foreign Key, Not Null, Unique
current_stock	INT	Current quantity in stock	Not Null, Default 0
reorder_point	INT	Stock level that triggers reordering	Not Null
last_restock_date	DATE	Date of last inventory restock	Nullable
expected_arrival	DATE	Expected date for next stock arrival	Nullable
storage_requirements	STRING	Special storage instructions	Nullable
min_stock_level	INT	Absolute minimum stock to maintain	Not Null
max_stock_level	INT	Maximum stock capacity	Not Null
created_at	TIMESTAMP	Record creation timestamp	Not Null, Default Current Timestamp
updated_at	TIMESTAMP	Record last update timestamp	Not Null, Default Current Timestamp

SUBSCRIPTIONS

Field	Data Type	Description	Constraints
subscription_id	INT	Unique identifier for each subscription	Primary Key, Auto-increment
customer_id	INT	Foreign key to CUSTOMERS table	Foreign Key, Not Null
start_date	DATE	Date when subscription started	Not Null
next_delivery_date	DATE	Date of next scheduled box delivery	Not Null
subscription_status	STRING	Current status (active/paused/canceled)	Not Null, Default 'Active'
monthly_price	DECIMAL	Monthly subscription price	Not Null
billing_cycle	INT	Number of months between billing	Not Null, Default 1
subscription_type	STRING	Subscription tier (standard/premium)	Not Null, Default 'Standard'
is_gift	BOOLEAN	Flag indicating if subscription is a gift	Not Null, Default False
delivery_address	STRING	Address for subscription delivery (may differ from customer address)	Not Null
created_at	TIMESTAMP	Record creation timestamp	Not Null, Default Current Timestamp
updated_at	TIMESTAMP	Record last update timestamp	Not Null, Default Current Timestamp

SUBSCRIPTION_ITEMS

Field	Data Type	Description	Constraints
subscription_item_id	INT	Unique identifier for each subscription item	Primary Key, Auto-increment
subscription_id	INT	Foreign key to SUBSCRIPTIONS table	Foreign Key, Not Null
product_id	INT	Foreign key to PRODUCTS table	Foreign Key, Not Null
month	INT	Month number (1-12)	Not Null
year	INT	Year (YYYY)	Not Null
quantity	INT	Quantity of product included	Not Null, Default 1
created_at	TIMESTAMP	Record creation timestamp	Not Null, Default Current Timestamp
updated_at	TIMESTAMP	Record last update timestamp	Not Null, Default Current Timestamp

MARKETING_CHANNELS

Field	Data Type	Description	Constraints
marketing_channel_id	INT	Unique identifier for each marketing channel	Primary Key, Auto-increment
channel_name	STRING	Name of the marketing channel	Not Null, Unique
channel_type	STRING	Type of channel (social/local)	Not Null
specific_platform	STRING	Specific platform or medium	Not Null
customer_acquisition_cost	DECIMAL	Average cost to acquire a customer through this channel	Default 0.00
conversion_rate	INT	Conversion rate percentage	Default 0
created_at	TIMESTAMP	Record creation timestamp	Not Null, Default Current Timestamp
updated_at	TIMESTAMP	Record last update timestamp	Not Null, Default Current Timestamp

PROMOTIONS

Field	Data Type	Description	Constraints
promotion_id	INT	Unique identifier for each promotion	Primary Key, Auto-increment
promotion_name	STRING	Name of the promotion	Not Null
description	STRING	Detailed description of the promotion	Not Null
start_date	DATE	Date when promotion starts	Not Null
end_date	DATE	Date when promotion ends	Not Null
discount_amount	DECIMAL	Discount amount or percentage	Not Null
discount_type	STRING	Type of discount (percentage/fixed)	Not Null
platform	STRING	Whether promotion applies online, in-store, or both	Not Null, Values: 'online'/'in-store'/'both'
kpop_anime_reference	STRING	K-pop group or anime reference if applicable	Nullable
is_gift_card_promo	BOOLEAN	Flag indicating if promotion applies to gift cards	Not Null, Default False
promotion_type	STRING	Type of promotion (discount/bundle/offer)	Not Null
min_purchase	DECIMAL	Minimum purchase amount required	Default 0.00
created_at	TIMESTAMP	Record creation timestamp	Not Null, Default Current Timestamp
updated_at	TIMESTAMP	Record last update timestamp	Not Null, Default Current Timestamp

CUSTOMER_PROMOTION

Field	Data Type	Description	Constraints
customer_promotion_id	INT	Unique identifier for each customer promotion record	Primary Key, Auto-increment
customer_id	INT	Foreign key to CUSTOMERS table	Foreign Key, Not Null
promotion_id	INT	Foreign key to PROMOTIONS table	Foreign Key, Not Null
is_used	BOOLEAN	Flag indicating if promotion has been used by this customer	Not Null, Default False
date_offered	DATE	Date when promotion was offered to customer	Not Null, Default Current Date
expiry_date	DATE	Expiration date for this customer's promotion	Not Null
times_used	INT	Number of times customer has used this promotion	Not Null, Default 0
usage_limit	INT	Maximum number of times customer can use this promotion	Not Null, Default 1
created_at	TIMESTAMP	Record creation timestamp	Not Null, Default Current Timestamp
updated_at	TIMESTAMP	Record last update timestamp	Not Null, Default Current Timestamp

PRODUCT_PROMOTIONS

Field	Data Type	Description	Constraints
product_promotion_id	INT	Unique identifier for each product promotion record	Primary Key, Auto-increment
product_id	INT	Foreign key to PRODUCTS table	Foreign Key, Not Null
promotion_id	INT	Foreign key to PROMOTIONS table	Foreign Key, Not Null
special_price	DECIMAL	Special promotional price of the product	Nullable
created_at	TIMESTAMP	Record creation timestamp	Not Null, Default Current Timestamp
updated_at	TIMESTAMP	Record last update timestamp	Not Null, Default Current Timestamp

CUSTOMER_PREFERENCES

Field	Data Type	Description	Constraints
preference_id	INT	Unique identifier for each preference record	Primary Key, Auto-increment
customer_id	INT	Foreign key to CUSTOMERS table	Foreign Key, Not Null, Unique
flavor_preference	STRING	Preferred flavors	Nullable
product_category_preference	STRING	Preferred product categories	Nullable
subscription_interest	BOOLEAN	Flag indicating interest in subscriptions	Default False
kpop_anime_interest	STRING	Preferred K-pop groups or anime series	Nullable
created_at	TIMESTAMP	Record creation timestamp	Not Null, Default Current Timestamp
updated_at	TIMESTAMP	Record last update timestamp	Not Null, Default Current Timestamp

FEEDBACK

Field	Data Type	Description	Constraints
feedback_id	INT	Unique identifier for each feedback record	Primary Key, Auto-increment
customer_id	INT	Foreign key to CUSTOMERS table	Foreign Key, Not Null
order_id	INT	Foreign key to ORDERS table	Foreign Key, Nullable
product_id	INT	Foreign key to PRODUCTS table	Foreign Key, Nullable
rating	INT	Rating on scale 1-5	Not Null, Min 1, Max 5
comment	STRING	Customer's written feedback	Nullable
feedback_date	DATE	Date feedback was provided	Not Null, Default Current Date
created_at	TIMESTAMP	Record creation timestamp	Not Null, Default Current Timestamp
updated_at	TIMESTAMP	Record last update timestamp	Not Null, Default Current Timestamp

GIFT_CARDS

Field	Data Type	Description	Constraints
gift_card_id	INT	Unique identifier for each gift card	Primary Key, Auto-increment
issuer_customer_id	INT	Foreign key to CUSTOMERS table (purchaser)	Foreign Key, Not Null
recipient_customer_id	INT	Foreign key to CUSTOMERS table (recipient)	Foreign Key, Nullable
gift_card_code	STRING	Unique code for gift card redemption	Not Null, Unique
initial_amount	DECIMAL	Original gift card value	Not Null
current_balance	DECIMAL	Remaining balance on gift card	Not Null
issue_date	DATE	Date gift card was issued	Not Null, Default Current Date
expiry_date	DATE	Date gift card expires	Not Null
is_redeemed	BOOLEAN	Flag indicating if gift card has been used	Not Null, Default False
created_at	TIMESTAMP	Record creation timestamp	Not Null, Default Current Timestamp
updated_at	TIMESTAMP	Record last update timestamp	Not Null, Default Current Timestamp