Customer

Customer_id - The id of the customer. This must be unique. Functionally determines name, prime_user, and gift_card_balance.

Name - The name of the customer. Any string is a valid name.

Prime_user - Indicates if a customer is a prime_user or not. Valid values are “true” or “false”

Gift_card_balance - This will show the customers gift card balance and can be any numerical value starting from 0. This value is nullable meaning it is not required.

Payment_method

Card_id - The id of the card. This must be unique. Functionally determines customer_id, card_type, balance, credit_card_no, and billing_address.

Customer_id - The id of the customer. This value is a foreign key from the customer_id column in the Customer table.

Card_type - Different types of cards, such as credit, debit, visa, mastercard, etc. Because of the nature of this variable it is an enum meaning that it is set to those specific constants.

Balance - This specifically for the gift card and it’s balance so it is null unless the payment method will be a gift card.

Credit_card_no - This value is the credit card number and is limited to 16 characters. It is null if the payment method is a gift card.

Billing_address - A string that states the billing address of the customer attached to the card they are using to pay. It is null if the payment method is a gift card.

Category

Category_id - The id of the category of an item. This must be unique. Functionally determines category_description.

Category_description - A string describing the different categories of items.

Product

Product_id - The id of a product. This must be unique. Functionally determines product_title, product_description, category_id, and list_price.

Product_title - This is the title of the product listed. Any string is a valid product title.

Product_description- A string that describes the product.

Category_id - The id of the category of an item. This value is a foreign key from the category_id column in the Category table.

List_price - This is the price of a product. It is a decimal value and non nullable.

Product_variant

Variant_id - The id of the variant of an item. This must be unique. Functionally determines default_product_id and variant_product_id.

Default_product_id - The id of the default option of a product. This is an int value and is not nullable. This value is a foreign key from the product_id column in the Product table.

Variant_product_id - The id of the variant option of a product. This is an int value and is not nullable. This value is a foreign key from the product_id column in the Product table.

Cart

Cart_entry_id - The id of a cart_entry. This must be unique. Functionally determines customer_id, quantity, and product_id.

Customer_id - The id of the customer. This value is a foreign key from the customer_id column in the Customer table.

Quantity - This is the total number of items in the cart. It is an int value and it is not nullable.

Product_id - The id of a product. This value is a foreign key from the product_id column in the Product table.

Order_detail

Order_detail_id - The id of an order_detail. This must be unique. Functionally determines order_id, product_id, quantity, and cost.

Order_id - The id of an order. This is an int value and is not nullable. This value is a foreign key from the order_id column in the Order table.

Product_id - The id of a product. This value is a foreign key from the product_id column in the Product table.

Quantity - This is the total number of items in the cart. It is an int value and it is not nullable.

Cost - The total cost of the order. This is a decimal value and it is not nullable.

Order

Order_id - The id of an order. This must be unique. Functionally determines customer_id and shipping_address.

Customer_id - The id of the customer. This value is a foreign key from the customer_id column in the Customer table.

Shipping_address - The shipping address for the order as specified by the customer. The customer is allowed to put a different address for each order.

Order_payment

Order_payment - The id of the order_payment. This must be unique. Functionally order_id, payment_method, and payment_quantity.

Order_id - The id of an order. This is an int value and is not nullable. This value is a foreign key from the order_id column in the Order table.

Payment_method - This specifies the form of payment a customer is using. This is a foreign key from the card_type column from the Payment_method table. It is an enum and it is not nullable.

Payment_quantity - This value specifies how much of the order is paid per payment method used by the customer. This is a non-nullable value.

Media

Media_id - The id of the media. This must be unique. Functionally determines title, description, and rating_id.

Title - The title of the media, whatever it may be: music, movies, tv shows, etc. This is a string value.

Description - The description of the media, explaining what it is. A string value and it can be short of long based on what is necessary for the media.

Rating_id - The id of a rating. This is an int value and is not nullable. This value is a foreign key from the rating_id column in the Rating table.

Rating

Ratind_id - The id of the rating. This must be unique. Functionally determines rating_code, rating_full_name, and rating_description.

Rating_code - A abbreviated descriptor specific to each rating type.

Rating_full_name - The full name of the person who is giving a rating for an item. This is a string value.

Rating_description - The description of the rating, why it may be given a certain rating, and all of the specifics.

Review

Review_description - The description of review. Should be as in depth or brief as the customer wants it to be. This is a string value.

Product_id - The id of a product. This value is a foreign key from the product_id column in the Product table.

Customer_id - The id of the customer. This value is a foreign key from the customer_id column in the Customer table.

Stars - A star rating process of int values ranging from 1 to 5; 1 being the lowest value a review can get and 5 being the highest.