VINTAGY

Database Documentation

Assignment 2

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Table: Customer

This table describes the basic information about the customer. This is a customer account, it involves this information to be able to connect with them, if they make an order. The table contains past, current and future customers.

Attribute	Type	Description
customer_ID	integer	The primary key for Customer records, unique identifier for each customer.
first_name	varchar(20)	The first name only for the customer.
last_name	varchar(20)	The name of family.
email_adrr	varchar(50)	Email address, e.g. ----------@gmail.com, ----------@yahoo.com, etc.
mobile_number	varchar(11)	It contains at most 11 digits for customer's mobile number.
srt_addr	varchar(255)	The name of the street the customer will deliver the order there.
city	varchar(15)	The name of the city the customer will deliver the order there.
country	varchar(15)	The name of the country the customer will deliver the order there.
psw	varchar(50)	The password of the customer account.

Relationships

- 'makes': 1:m relationship between **Customer** and **Payment**, which means that specific payment will be made by one and only one customer, while a customer can make zero or more payments.
- 'requests: 1:m relationship between **Customer** and **Order**, which means that specific order will be requested by one and only one customer, while a customer can make zero or more orders.
- 'purchases': m:n relationship between **Customer** and **Product**, which means that a product can be purchased by zero or more customers and a customer can purchase zero or more products.

- ‘gives’: 1:m relationship between **Customer** and **Feedback**, which means that specific feedback will be made by one and only one customer, while a customer can make zero or more feedbacks.

Table: Product

This table describes some details about the products in our online store.

Attribute	Type	Description
Product_ID	integer	The primary key for Product records, unique identifier for each product.
Product_name	varchar(255)	A descriptive name of the product.
product_price	integer	The price will be in dollars and pounds.
product_size	varchar(7)	e.g. S for small, M for medium, X for xlarge, XX, up to 5X.
product_color	varchar(15)	Each product will be available in specific colors.
Subcategorysubcat_ID	integer	This is a foreign key associated with 'has' relationship between this table and Subcategory table (1:m relationship).

Relationships

- 'supplies': m:n relationship between **Product** and **Supplier**, which means that a product can be supplied by one (at least) or more suppliers and a supplier can supply us with one (at least) or more products.
- 'has': 1:m relationship between **Product** and **Subcategory**, which means that specific product will be found in one and only one subcategory, while a subcategory contains zero or more products.
- 'has': m:n relationship between **Product** and **Order**, which means that a product can exist in zero or more orders and an order can have one (at least) or more products.

- 'purchases': m:n relationship between **Product** and **Customer**, which means that a product can be purchased by zero or more customers and a customer can purchase zero or more products.

- 'assigned to': 1:m relationship between **Product** and **Feedback**, which means that specific feedback will be made for one and only one product, while zero or more feedbacks can be assigned to a product.

Table: Supplier

This table defines our suppliers and vendors we deal with and some details about them.

Attribute	Type	Description
sp_ID	integer	The primary key for Supplier records, unique identifier for each supplier.
sp_name	varchar(20)	The name of the supplier.
sp_addr	varchar(255)	The address where the supplier located.

Relationships

- 'supplies': m:n relationship between **Supplier** and **Product**, which means that a product can be supplied by one (at least) or more suppliers and a supplier can supply us with one (at least) or more products.

Table: Category

This table defines our website main categories: *Vintage Wear*, *Muslim Indian Wear* and *East Asian Wear*, which each contains subcategories of it.

Attribute	Type	Description
cat_ID	integer	The primary key for Category records, unique identifier for each category.
cat_name	varchar(20)	It will be one of these: *Vintage Wear, Muslim Indian Wear* or *East Asian Wear*

Relationships

- 'has': 1:m relationship between **Category** and **Subcategory**, which means that specific subcategory will be found in one and only one category, while a category contains one (at least) or more subcategories.

Table: Subcategory

This table defines our website subcategories under the main categories: 50s, 60s, 70s, 80s (for *Vintage Wear)* and Duppata, Punjabi, long dresses (for *Muslim Indian Wear)* and South Korean Hanbok, Chinese Hanfu, Japanese Kimono, Pants (for *East Asian Wear)*.

Attribute	Type	Description
subcat_ID	integer	The primary key for Subcategory records, unique identifier for each subcategory.
subcat_name	varchar(20)	It will be one of those as mentioned before.
Categorycat_ID	integer	This is a foreign key associated with 'has' relationship between this table and Category table (1:m relationship).

Relationships

- 'has': 1:m relationship between **Subcategory** and **Category**, which means that specific subcategory will be found in one and only one category, while a category contains one (at least) or more subcategories.
- 'has': 1:m relationship between **Subcategory** and **Product**, which means that specific product will be found in one and only one subcategory, while a subcategory contains zero or more products.

Table: Order

This table describes details about the requested order and the cart will be shipped to the customer.

Attribute	Type	Description
order_ID	integer	The primary key for Order records, unique identifier for each order (cart).
Total_price	integer	This is the total amount of money will be paid by the customer for a specific order.
to_addr	varchar(255)	This is the address a specific order to be sent to.
status	varchar(10)	This will vary according to the courier trip, e.g. ready, shipped, delivered.
Customercustomer_ID	integer	This is a foreign key associated with 'requests' relationship between this table and Customer table (1:m relationship).
Shippershp_ID	integer	This is a foreign key associated with 'shipped by' relationship between this table and Shipper table (1:m relationship).

Relationships

- 'has': m:n relationship between **Order** and **Product**, which means that a product can exist in zero or more orders and an order can have one (at least) or more products.
- 'shipped by': 1:m relationship between **Order** and **Shipper**, which means that specific order (cart) will be shipped by one and only one shipping company, while shipping company can ship zero or more orders.
- 'done for': 1:1 relationship between **Order** and **Payment**, which means that specific payment is assigned to specific order and vice versa.
- 'requests: 1:m relationship between **Order** and **Customer**, which means that specific order will be requested by one and only one customer, while a customer can make zero or more orders.

Table: Payment

This table describes some details about customer payment for a specific order.

Attribute	Type	Description
payment_ID	integer	The primary key for Payment records, unique identifier for each payment process.
pay_type	varchar(20)	e.g. cash on delivery, via card.
pay_amount	integer	This is the total amount of money will be paid by the customer for a specific order.
Customercustomer_ID	integer	This is a foreign key associated with 'makes' relationship between this table and Customer table (1:m relationship).

Relationships

- 'done for': 1:1 relationship between **Payment** and **Order**, which means that specific payment is assigned to specific order and vice versa.
- 'makes': 1:m relationship between **Payment** and **Customer**, which means that specific payment will be made by one and only one customer, while a customer can make zero or more payments.

Table: Shipper

This table describes some details about shipping companies we will deal with to deliver the orders to customers.

Attribute	Type	Description
shp_ID	integer	The primary key for Shipper records, unique identifier for each shipper.
shp_name	varchar(20)	The name of the supplier.
shp_adrr	varchar(255)	The address where the shipping company located.

Relationships

- 'shipped by': 1:m relationship between **Shipper** and **Order**, which means that specific order (cart) will be shipped by one and only one shipping company, while shipping company can ship zero or more orders.

Table: Feedback

This table describes some details about feedbacks and rates the customer will give to a specific product.

Attribute	Type	Description
fdback_ID	integer	The primary key for Feedback records, unique identifier for each feedback (rate).
fdback_content	varchar(255)	The content which will be given to a specific product by a customer.
Productproduct_ID	integer	This is a foreign key associated with 'assigned to' relationship between this table and Product table (1:m relationship).
Customercustomer_ID	integer	This is a foreign key associated with 'gives' relationship between this table and Customer table (1:m relationship).

Relationships

- 'assigned to': 1:m relationship between **Feedback** and **Product**, which means that specific feedback will be made for one and only one product, while zero or more feedbacks can be assigned to a product.
- 'gives': 1:m relationship between **Feedback** and **Customer**, which means that specific feedback will be made by one and only one customer, while a customer can make zero or more feedbacks.