Database Schema

Sheet 1: Users

Column	Data Type	Default Value	Is Nullable	Description
id	INTEGER	AUTO_INCREMENT	NO	Unique identifier for each user
first_name	VARCHAR(50)	NULL	YES	User's first name
last_name	VARCHAR(50)	NULL	YES	User's last name
email	VARCHAR(100)	NULL	NO	User's email address (unique)
password_hash	VARCHAR(255)	NULL	NO	Hashed password for security
created_at	TIMESTAMP	CURRENT_TIMESTAMP	NO	Timestamp of user creation
updated_at	TIMESTAMP	CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP	NO	Timestamp of the last update
deleted_at	TIMESTAMP	NULL	YES	Timestamp of the last delete

Sheet 2: Products

Column	Data Type	Default Value	Is Nullable	Description
id	INTEGER	AUTO_INCREMENT	NO	Unique identifier for each product
name	VARCHAR(100)	NULL	NO	Product name
description	TEXT	NULL	YES	Detailed description
price	DECIMAL(10, 2)	0.00	NO	Product price
image_url	VARCHAR(255)	NULL	YES	URL of the product image
category	VARCHAR(50)	NULL	YES	Product category (e.g., sneakers, sandals, boots)
brand	VARCHAR(50)	NULL	YES	Product brand
is_active	BOOLEAN	TRUE	NO	Indicates whether the product is available
is_featured	BOOLEAN	FALSE	NO	Indicates whether the product is featured
created_at	TIMESTAMP	CURRENT_TI	NO	Timestamp of product

Column	Data Type	Default Value	Is Nullable	Description
		MESTAMP		creation
updated_at	TIMESTAMP	CURRENT_TI MESTAMP ON UPDATE CURRENT_TI MESTAMP	NO	Timestamp of the last update
deleted_at	TIMESTAMP	NULL	YES	Timestamp of the last delete

Sheet 3: Orders

Column	Data Type	Default Value	Is Nullable	Description
id	INTEGER	AUTO_INCR EMENT	NO	Unique identifier for each order
user_id	INTEGER	NULL	NO	Foreign key referencing the user who placed the order
billing_addres s_id	INTEGER	NULL	YES	Foreign key referencing the billing address
shipping_addr ess_id	INTEGER	NULL	YES	Foreign key referencing the shipping address
order_status	VARCHAR(20	'pending'	NO	Order status (e.g.,

Column	Data Type	Default Value	Is Nullable	Description
)				pending, processing, shipped, delivered)
total_amount	DECIMAL(10, 2)	0.00	NO	Total amount of the order
created_at	TIMESTAMP	CURRENT_TIMESTAMP	NO	Timestamp of order creation
updated_at	TIMESTAMP	CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP	NO	Timestamp of the last update
deleted_at	TIMESTAMP	NULL	YES	Timestamp of the last delete

Sheet 4: OrderItems

Column	Data Type	Default Value	Is Nullable	Description
id	INTEGER	AUTO_INCREMENT	NO	Unique identifier for each order item
order_id	INTEGER	NULL	NO	Foreign key referencing the order
product_id	INTEGER	NULL	NO	Foreign key referencing the product

Column	Data Type	Default Value	Is Nullable	Description
product_variation_id	INTEGER	NULL	YES	Foreign key referencing the product variation (if applicable)
quantity	INTEGER	1	NO	Quantity of the product ordered
price	DECIMAL(10, 2)	0.00	NO	Price of the product at the time of purchase
created_at	TIMESTAMP	CURRENT_TIMESTAMP	NO	Timestamp of order item creation
updated_at	TIMESTAMP	CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP	NO	Timestamp of the last update
deleted_at	TIMESTAMP	NULL	YES	Timestamp of the last delete

Sheet 5: Reviews

Column	Data Type	Default Value	Is Nullable	Description
id	INTEGER	AUTO_INCREMENT	NO	Unique identifier for each review

Column	Data Type	Default Value	Is Nullable	Description
product_id	INTEGER	NULL	NO	Foreign key referencing the product
user_id	INTEGER	NULL	NO	Foreign key referencing the user
rating	INTEGER	NULL	YES	Rating given by the user (e.g., 1-5 stars)
comment	TEXT	NULL	YES	Review text
created_at	TIMESTAMP	CURRENT_TIMESTAMP	NO	Timestamp of review creation
updated_at	TIMESTAMP	CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP	NO	Timestamp of the last update
deleted_at	TIMESTAMP	NULL	YES	Timestamp of the last delete

Sheet 6: Cart

Column	Data Type	Default Value	Is Nullable	Description
id	INTEGER	AUTO_INCREMENT	NO	Unique identifier for each cart
user_id	INTEGER	NULL	YES	Foreign key referencing the user
created_at	TIMESTAMP	CURRENT_TIMESTAMP	NO	Timestamp of cart creation
updated_at	TIMESTAMP	CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP	NO	Timestamp of the last update
deleted_at	TIMESTAMP	NULL	YES	Timestamp of the last delete

Sheet 7: CartItem

Column	Data Type	Default Value	Is Nullable	Description
id	INTEGER	AUTO_INCREMENT	NO	Unique identifier for each cart item
cart_id	INTEGER	NULL	NO	Foreign key referencing the cart
product_id	INTEGER	NULL	NO	Foreign key

Column	Data Type	Default Value	Is Nullable	Description
				referencing the product
product_variation_id	INTEGER	NULL	YES	Foreign key referencing the product variation (if applicable)
quantity	INTEGER	1	NO	Quantity of the product in the cart
created_at	TIMESTAMP	CURRENT_TIMESTAMP	NO	Timestamp of cart item creation
updated_at	TIMESTAMP	CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP	NO	Timestamp of the last update
deleted_at	TIMESTAMP	NULL	YES	Timestamp of the last delete

Sheet 8: Coupons

Column	Data Type	Default Value	Is Nullable	Description
id	INTEGER	AUTO_INCREMENT	NO	Unique identifier for each promotion/discount

Column	Data Type	Default Value	Is Nullable	Description
code	VARCHAR(50)	NULL	NO	Promotion/discount code
description	TEXT	NULL	YES	Description of the promotion/discount
discount_type	VARCHAR(20)	NULL	NO	Type of discount (e.g., percentage, fixed amount)
discount_value	DECIMAL(10, 2)	0.00	NO	Value of the discount
start_date	DATE	NULL	YES	Start date of the promotion/discount
end_date	DATE	NULL	YES	End date of the promotion/discount
is_active	BOOLEAN	TRUE	NO	Indicates whether the promotion/discount is active
created_at	TIMESTAMP	CURRENT_TIMESTAMP	NO	Timestamp of coupon creation
updated_at	TIMESTAMP	CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP	NO	Timestamp of the last update

Column	Data Type	Default Value	Is Nullable	Description
deleted_at	TIMESTAMP	NULL	YES	Timestamp of the last delete

Sheet 9: Sizes

Column	Data Type	Default Value	Is Nullable	Description
id	INTEGER	AUTO_INCREMENT	NO	Unique identifier for each size
size	VARCHAR(10)	NULL	NO	Size value (e.g., 6, 7, 8, 9, 10)
created_at	TIMESTAMP	CURRENT_TIMESTAMP	NO	Timestamp of size creation
updated_at	TIMESTAMP	CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP	NO	Timestamp of the last update
deleted_at	TIMESTAMP	NULL	YES	Timestamp of the last delete

Sheet 10: Lots

Column	Data Type	Default Value	Is Nullable	Description
id	INTEGER	AUTO_INCREMENT	NO	Unique identifier for each lot
product_id	INTEGER	NULL	NO	Foreign key referencing the product
purchase_date	DATE	NULL	YES	Date the lot was purchased
quantity	INTEGER	0	NO	Total quantity in the lot
created_at	TIMESTAMP	CURRENT_TIMESTAMP	NO	Timestamp of lot creation
updated_at	TIMESTAMP	CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP	NO	Timestamp of the last update
deleted_at	TIMESTAMP	NULL	YES	Timestamp of the last delete

Sheet 11: ProductVariations

Column	Data Type	Default Value	Is Nullable	Description
id	INTEGER	AUTO_INCREMENT	NO	Unique identifier for each product variation
product_id	INTEGER	NULL	NO	Foreign key referencing the product
variation_name	VARCHAR(50)	NULL	NO	Name of the variation (e.g., color, material)
variation_value	VARCHAR(50)	NULL	NO	Value of the variation (e.g., blue, leather)
created_at	TIMESTAMP	CURRENT_TIMESTAMP	NO	Timestamp of variation creation
updated_at	TIMESTAMP	CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP	NO	Timestamp of the last update
deleted_at	TIMESTAMP	NULL	YES	Timestamp of the last delete

Sheet 12: Inventory

Column	Data Type	Default Value	Is Nullable	Description
id	INTEGER	AUTO_INCR EMENT	NO	Unique identifier for each inventory item
product_id	INTEGER	NULL	NO	Foreign key referencing the product
product_variat ion_id	INTEGER	NULL	YES	Foreign key referencing the product variation (if applicable)
lot_id	INTEGER	NULL	YES	Foreign key referencing the lot
quantity	INTEGER	0	NO	Available quantity
location	VARCHAR(10 0)	NULL	YES	Location of the inventory item
created_at	TIMESTAMP	CURRENT_TI MESTAMP	NO	Timestamp of inventory item creation
updated_at	TIMESTAMP	CURRENT_TI MESTAMP ON UPDATE CURRENT_TI MESTAMP	NO	Timestamp of the last update
deleted_at	TIMESTAMP	NULL	YES	Timestamp of

Column	Data Type	Default Value	Is Nullable	Description
				the last delete

Sheet 13: ShippingAddresses

Column	Data Type	Default Value	Is Nullable	Description
id	INTEGER	AUTO_INCR EMENT	NO	Unique identifier for each address
user_id	INTEGER	NULL	NO	Foreign key referencing the user
address_line_ 1	VARCHAR(25 5)	NULL	NO	Address line 1
address_line_ 2	VARCHAR(25 5)	NULL	YES	Address line 2
city	VARCHAR(10 0)	NULL	NO	City
state	VARCHAR(10 0)	NULL	YES	State/Provinc e
country	VARCHAR(10 0)	NULL	NO	Country
postal_code	VARCHAR(20)	NULL	NO	Postal code
created_at	TIMESTAMP	CURRENT_TI MESTAMP	NO	Timestamp of address creation

Column	Data Type	Default Value	Is Nullable	Description
updated_at	TIMESTAMP	CURRENT_TI MESTAMP ON UPDATE CURRENT_TI MESTAMP	NO	Timestamp of the last update
deleted_at	TIMESTAMP	NULL	YES	Timestamp of the last delete

Sheet 14: PaymentMethods

Column	Data Type	Default Value	Is Nullable	Description
id	INTEGER	AUTO_INCR EMENT	NO	Unique identifier for each payment method
name	VARCHAR(50)	NULL	NO	Name of the payment method (e.g., credit card, PayPal, UPI)
description	TEXT	NULL	YES	Description of the payment method
created_at	TIMESTAMP	CURRENT_TI MESTAMP	NO	Timestamp of payment method creation
updated_at	TIMESTAMP	CURRENT_TI MESTAMP ON UPDATE	NO	Timestamp of the last update

Column	Data Type	Default Value	Is Nullable	Description
		CURRENT_TIMESTAMP		
deleted_at	TIMESTAMP	NULL	YES	Timestamp of the last delete

Sheet 15: Payments

Column	Data Type	Default Value	Is Nullable	Description
id	INTEGER	AUTO_INCREMENT	NO	Unique identifier for each payment
order_id	INTEGER	NULL	NO	Foreign key referencing the order
payment_method_id	INTEGER	NULL	NO	Foreign key referencing the payment method
transaction_id	VARCHAR(100)	NULL	YES	Transaction ID from the payment gateway
amount	DECIMAL(10, 2)	0.0		