

## Users

Field	Type	Description
user_id	INT (PK)	Unique user ID
name	VARCHAR	Full name
email	VARCHAR	Unique email for login
password_hash	VARCHAR	Secure password
phone	VARCHAR	Contact number
address	TEXT	Shipping address
preferences	JSON	For retargeting, AI chatbot, etc.
created_at	DATETIME	Registration date

## Products

Field	Type	Description
product_id	INT (PK)	Unique product ID
name	VARCHAR	Product name
description	TEXT	Description for AI & SEO
price	DECIMAL	Current price
category_id	INT (FK)	Link to categories table
stock	INT	Quantity in stock
size	VARCHAR	Size options (e.g., S, M, L)
image_url	TEXT	Primary image
created_by_ai	BOOLEAN	Flag for AI-generated products
created_at	DATETIME	Date of addition

## Categories

Field	Type	Description
category_id	INT (PK)	Unique category ID
name	VARCHAR	Category name (e.g., Shirts, Shoes)

## Orders

Field	Type	Description
order_id	INT (PK)	Unique order ID
user_id	INT (FK)	Buyer
total_amount	DECIMAL	Total bill
payment_type	VARCHAR	Cash, card, etc.
status	VARCHAR	Pending, Delivered, etc.
created_at	DATETIME	Order date

## Order\_items

Field	Type	Description
order_item_id	INT (PK)	Unique ID
order_id	INT (FK)	Links to Orders
product_id	INT (FK)	Which product
quantity	INT	Quantity ordered
price_at_time	DECIMAL	Price at time of order

## Promos

Field	Type	Description
promo_id	INT (PK)	Unique ID
code	VARCHAR	Promo code
discount	DECIMAL	Discount percentage/value
valid_from	DATETIME	Start date
valid_to	DATETIME	End date
usage_limit	INT	Max usage

## AI\_logs

Field	Type	Description
log_id	INT (PK)	Unique log entry
user_id	INT (FK)	Optional user ID
module_name	VARCHAR	E.g., Chatbot, Search
input	TEXT	User input
response	TEXT	AI-generated response
created_at	DATETIME	Timestamp

## Images

Field	Type	Description
image_id	INT (PK)	Unique image ID
product_id	INT (FK)	Linked product
image_url	TEXT	Image file path

Field	Type	Description
feature_data	JSON	Image embeddings for AI
angle	VARCHAR	Front, side, etc.

## Reviews

Field	Type	Description
review_id	INT (PK)	Unique review ID
user_id	INT (FK)	Reviewer
product_id	INT (FK)	Product reviewed
rating	INT	1 to 5
review_text	TEXT	Customer feedback
sentiment	VARCHAR	Positive/Negative (AI)
created_at	DATETIME	Review time

## Relationships

Users (1) to (M) Orders

Users (1) to (M) Reviews

Orders (1) to (M) Order\_Items

Products (1) to (M) Order\_Items

Products (1) to (M) Reviews

Categories (1) to (M) Products

Products (1) to (M) Images

Users (1) to (M) AI\_Logs