

## **Ecommerce App Database Schema**

### **1. User\_roles**

- a. Id, primary key
- b. Role\_name (varchar) (Admin / Customer)
- c. Created\_at (timestamp)
- d. Updated\_at (timestamp) - NULL

### **2. Users**

- a. Id, Primary key
- b. Role\_id (admin/customer) (integer - foreign key)
- c. Full name
- d. Email
- e. Password
- f. Phone\_number
- g. Status (enum - active/inactive/block)

### **3. Categories**

- a. id , Primary key
- b. Category\_name
- c. Url\_slug (unique) (text) (cat-name)
- d. Parent\_cat\_id, (integer)
- e. Status (active / inactive)

### **4. Products**

- a. Id, Primary key
- b. Product\_name
- c. Url\_slug (unique)
- d. Cat\_id / category\_id (integer)
- e. Description (text)
- f. Price (float - 10,2)
- g. Stock\_quantity (integer)
- h. Status (active / inactive)

### **5. Product\_variants**

- a. Id
- b. Product\_id
- c. Color (optional)
- d. Size (optional)
- e. Price (float - 10,2)
- f. Stock\_quantity (integer)

### **6. Carts**

- a. Id, Primary key
- b. User\_id (foreign key - integer)
- c. Product\_id (foreign key - integer) - NULL
- d. Product\_variant\_id (foreign key - integer) - NULL
- e. Quantity (integer)

### **7. Shipping\_addresses**

- a. Id, Primary key
- b. User\_id
- c. Full\_address
- d. State

- e. City
- f. zip\_code

#### **8. Orders**

- a. Id
- b. Order\_number (unique number)
- c. User\_id
- d. Total\_amount (float) = 1500
- e. Discount\_amount (float) = 100
- f. Gross\_amount (float) = 1400
- g. Shipping\_amont (float) = 50
- h. net\_amount (float) = 1450
- i. Status (enum - placed / processing / shipping / delivered)
- j. Payment\_status (enum - paid / not paid)
- k. Payment\_type (enum - netbanking / upi / cod)
- l. Payment\_transaction\_id (varchar)

#### **9. Order\_items / order\_products**

- a. Id, Primary key
- b. Order\_id (Foreign key - orders)
- c. Product\_id (Foreign key - products)
- d. Product\_variant\_id (Foreign key - product\_variants)
- e. Product\_name
- f. Color (NULL)
- g. Size (NULL)
- h. Price (Float)
- i. Quantity (integer)
- j. Total\_amount (Float)

#### **10. Order\_shipping\_addresses**

- a. Id, primary key
- b. Order\_id (Foreign key - orders)
- c. Shipping\_address\_id
- d. Full\_address
- e. State
- f. City
- g. Zip\_code

#### **11. Wishlist**

- a. id , Primary key
- b. User\_id
- c. Product\_id
- d. Product\_variant\_id

#### **12. Offers / discounts**

- a. Id, Primary key
- b. Coupon\_code (varchar - unique)
- c. Discount\_type (enum - fixed / rate)
- d. Disocunt\_value (float)
- e. Start\_date (date)
- f. End\_date (date)
- g. Description (text)
- h. Status (active / inactive)

