1. User Table

Column Name	Data Type	Description
id	AutoField	Primary Key
email	CharField	Login email
password	CharField	Encrypted password
role	CharField	"Admin" or "Staff"
is_active	BooleanField	Account active status
date_joined	DateTimeField	User registration date

2. Category Table

Column Name	Data Type	Description
id	AutoField	Primary Key
name	CharField	Category name

3. SubCategory Table

Column Name	Data Type	Description
id	AutoField	Primary Key
name	CharField	Subcategory name
category_id	ForeignKey	Linked to Category table

4. Purchase Table

Column Name	Data Type	Description
id	AutoField	Primary Key
product_name	CharField	Product name
category_id	ForeignKey	Linked to Category
subcategory_id	ForeignKey	Linked to SubCategory
quantity	IntegerField	Purchased quantity
product_rate	DecimalField	Rate per unit
sale_rate	DecimalField	Selling price per unit
mrp	DecimalField	Maximum retail price
total_rate	DecimalField	quantity × product_rate
date	DateField	Purchase date
notes	TextField	Optional notes

5. Discount Table

Column Name	Data Type	Description
id	AutoField	Primary Key
product_id	ForeignKey	Linked to Purchase table
discount_percent	FloatField	Discount % for the product

6. Invoice Table

Column Name	Data Type	Description
id	AutoField	Primary Key
customer_name	CharField	Name of the customer
customer_phone	CharField	Phone number
customer_address	TextField	Customer address
total_amount	DecimalField	Final invoice amount
total_discount	DecimalField	Total discount applied
gst_amount	DecimalField	GST amount
round_off	DecimalField	Final round off
date	DateField	Invoice date
user_id	ForeignKey	Linked to User (who created invoice)

7. InvoiceItem Table

Column Name	Data Type	Description
id	AutoField	Primary Key
invoice_id	ForeignKey	Linked to Invoice table
product_id	ForeignKey	Linked to Purchase table
quantity	IntegerField	Quantity sold
rate	DecimalField	Selling rate
discount	DecimalField	Discount applied
total_price	DecimalField	(rate × quantity) – discount
category_id	ForeignKey	Linked to Category
subcategory_id	ForeignKey	Linked to SubCategory

8. Transaction Table

Column Name	Data Type	Description
id	AutoField	Primary Key
type	CharField	"Income" or "Expense"
amount	DecimalField	Transaction amount
source	CharField	Description (e.g. invoice, expense)
date	DateField	Transaction date
linked_invoice	ForeignKey	(Optional) Linked to Invoice

9.Product Table

Field Name	Data Type	Description
id	AutoField (PK)	Primary key – unique identifier for each product
purchase	ForeignKey	Link to the Purchase table (contains product details)
category	ForeignKey	(Optional) Redundant link to Category table
subcategory	ForeignKey	(Optional) Redundant link to SubCategory table
stock_quantity	IntegerField	Current quantity available in stock
selling_price	DecimalField	Final price after applying all pricing logic
discount	ForeignKey	Link to Discount table to apply pre-defined discount