E-commers Tables

1. Users:

Field	Type
user_id	UUID PK
name	varchar
email	varchar UNIQUE
password_	varchar
phone	varchar
role	enum("user","admin")
created_at	timestamp

2. Addresses:

Field	Type
address_id	UUID PK
user_id	UUID FK
line1	varchar
line2	varchar
city	varchar
state	varchar
pincode	varchar
country	varchar

3. Categories:

Field	Type
category_id	UUID PK
name	varchar

4. Brands

Field	Type
brand_id	UUID PK
name	varchar

5. Products

Field	Type
product_id	UUID PK
category_id	UUID FK
brand_id	UUID FK
name	varchar
description	text
specs	jsonb

6. ProductVariants

Field	Type
variant_id	UUID PK
product_id	UUID FK
name	varchar
sku	varchar UNIQUE
price	int
discount_price	int nullable
stock_status	enum("in_stock","low_stock","out_of_stock")
weight	int nullable

7. Stock

Field	Type
stock_id	UUID PK
variant_id	UUID FK UNIQUE
quantity	int
updated_at	timestamp

8. ProductImages

Field	Type
image_id	UUID PK
product_id	UUID FK
image_url	varchar
position	int

9. Benchmarks

(For CPUs/GPUs — scores, FPS, synthetic benchmarks)

Field	Type
benchmark_id	UUID PK
product_id	UUID FK
name	varchar
score	float
details	jsonb

10. PCBuilderCompatibility

(Ensures parts match: CPU <-> Motherboard, GPU <-> PSU etc.)

Field	Type
compat_id	UUID PK
product_id	UUID FK
compatible_with_product_id	UUID FK
rule	varchar

11. ReadyMadePC

(Prebuilt PC models)

Field	Type
pc_id	UUID PK
name	varchar
price	int
category	varchar
image	varchar
Image2	varchar
Image3	varchar

12. ReadyMadePCItems

(List of components inside a prebuilt PC)

Field	Type
item_id	UUID PK
pc_id	UUID FK
product_id	UUID FK
variant_id	UUID FK

13. Coupons

Field	Type
coupon_id	UUID PK
code	varchar UNIQUE
discount_value	int
min_order_amount	int nullable
expires_at	timestamp
usage_limit	int
created_at	timestamp

14. UserCoupons

(To track if user has used a coupon)

Field	Type
user_coupon_id	UUID PK
user_id	UUID FK
coupon_id	UUID FK
used_at	timestamp

15. Cart

Field	Type
cart_id	UUID PK
user_id	UUID FK
created_at	timestamp
updated_at	timestamp

16. CartItems

Field	Type
cart_item_id	UUID PK
cart_id	UUID FK
variant_id	UUID FK
quantity	int
price_snapshot	int

17. Orders

Field	Type
order_id	UUID PK
user_id	UUID FK
address_id	UUID FK
total_price	int
payment_status	enum("pending","paid","failed")
order_status	enum("processing","shipped","delivered","cancelled")
payment_id	varchar
created_at	timestamp

18. OrderItems

Field	Type
order_item_id	UUID PK
order_id	UUID FK
variant_id	UUID FK
product_name	varchar
price	int
quantity	int

19. PDFDownloads

(Stores downloadable invoices or PC build summaries)

Field	Type
pdf_id	UUID PK
user_id	UUID FK
order_id	UUID FK
pdf_url	varchar
created_at	timestamp