

8. Supabase Database Schema (SQL & Explanations)

Use PostgreSQL on Supabase. Below are the core tables and an example CREATE TABLE DDL for each. Run them in Supabase SQL editor or your migration tool.

Note: UUIDs, timestamps, and JSONB are used for flexibility and compatibility with personalization.

1) Table: users

Column	Type	Default	Constraints	Notes
id	uuid	gen_random_uuid()	Primary key	Unique user ID
name	text	—	NOT NULL	Full name of user
email	text	—	NOT NULL, UNIQUE	Used for login
password_hash	text	—	NOT NULL	Hashed password
email_verified	bool	false	—	If email is verified or not
phone	text			Phone/mobile number
is_active	bool	true	—	If the user account is active
created_at	timestampz	now()	—	Timestamp of registration
updated_at	timestampz	now()	—	Timestamp of updattion
last_login	timestampz		—	Timestamp of last login

2) Table: addresses

Column	Type	Default	Constraints	Notes
id	uuid	gen_random_uuid()	Primary key	Unique address ID
user_id	uuid	—	FOREIGN KEY → users.id	Owner of the address
line1	text	—	NOT NULL	Address line 1
line2	text	—	—	Optional additional address
city	text	—	NOT NULL	City name
state	text	—	NOT NULL	State/Province
country	text	'India'	—	Default India
zip_code	text	—	NOT NULL	Postal code
is_default	bool	false	—	If the address is default for user
address_type	text	'home'::text	—	Home, work, etc
phone	text	—	—	Receipients phone number
landmark	text	—	—	Address near landmark
created_at	timestampz	now()	—	Created timestamp

3) Table: products

Column	Type	Default	Constraints	Notes
id	uuid	gen_random_uuid()	Primary key	Product ID
title	text	—	NOT NULL	Product name
description	text	—	—	Product details
price	int4	—	NOT NULL	Base price (no decimals)
stock	Int4	—	NOT NULL	No of stock
category_id	uuid	—	FK to category.id	Category name
img_url	text	—	—	Cloudinary URLs
created_at	timestampz	now()	—	Created timestamp
sku	text	—	UNIQUE	Product SKU
has_variants	bool	false	—	If the product has vairants.

4) Table: product_variants

Column	Type	Default	Constraints	Notes
id	uuid	gen_random_uuid()	Primary key	Variant ID
product_id	uuid	—	FOREIGN KEY → products.id ON DELETE CASCADE	Parent product
sku	text	—	UNIQUE	Variant SKU
attributes	jsonb	—	—	e.g. {"color": "Pink", "size": "Small"}
price	int4	—	—	Variant-specific price
stock	int4	—	—	Available stock
is_default	bool	false	—	Default variant for a product
weight	float8	—	—	Weight of the product
img_url	text	—	—	Variant's img url from cloudinary
created_at	timestampz	now()	—	Created timestamp

5) Table: orders

Column	Type	Default	Constraints	Notes
id	uuid	gen_random_uuid()	Primary key	Order ID
user_id	uuid	—	FOREIGN KEY → users.id	Buyer
status	text	'pending'	—	pending / confirmed / shipped / delivered / cancelled
subtotal	int4	—	—	Item total before shipping/discount
shipping_cost	int4	—	—	Delivery charge
final_total	int4	—	—	Final payable amount
shipping_address	jsonb	—	—	Snapshot of delivery address
payment_status	text	'unpaid'	—	unpaid / paid / refunded / failed
payment_id	text	—	UNIQUE	Transaction ID (Razorpay/Stripe)
created_at	timestampz	now()	—	Order created timestamp
placed_at	timestampz	now()	—	Time at which order was placed.
custom_bundle_id	uuid	—	FK → custom_bundles.id	Links order to a specific user-created bundle
bundle_type	text	'single'	—	'single', 'brand_bundle', or 'custom_bundle'

6) Table: order_items

Column	Type	Default	Constraints	Notes
id	uuid	gen_random_uuid()	Primary key	Order item ID
order_id	uuid	—	FOREIGN KEY → orders.id	Associated order
product_variant_id	uuid	—	FOREIGN KEY → product_variants.id	Purchased variant
quantity	int4	1	NOT NULL	Quantity ordered
price	int4	0	NOT NULL	Price snapshot at order time
created_at	timestampz	now()	—	Order item created timestamp
bundle_origin	text	—	—	'brand_bundle', 'custom_bundle', or NULL
bundle_id	uuid	—	—	Links to bundles.id, custom_bundles.id, or bundle_user_public.id

7) Table: payments

Column	Type	Default	Constraints	Notes
id	uuid	gen_random_uuid()	Primary key	Payment ID
user_id	uuid	—	FOREIGN KEY → user.id	FK to user.id
order_id	uuid	—	FOREIGN KEY → orders.id	FK to order.id
provider	text	'RazorPay'::text	NOT NULL	Razorpay/Stripe
payment_id	text	—	—	Razorpay payment id
amount	int4	—	NOT NULL	Final amount to be paid
currency	text	'INR'::text	NOT NULL	Which Currency
status	text	—	NOT NULL	Status of payment.
is_success	bool	false	—	If the payment is succeeded
failure_msg	text	—	—	Error msg if payment gets failed
created_at	timestampz	now()	—	Timestamp

8) Table: shipments

Column	Type	Default	Constraints	Notes
id	uuid	gen_random_uuid()	Primary key	Shipment ID
order_id	uuid	—	FOREIGN KEY	Related order

→ orders.id

courier	text	—	—	Courier name
awb	text	—	UNIQUE	Air Waybill (tracking ID)
status	text	"packing"::text	—	shipped / in_transit / delivered
estimated_delivery	date	—	—	Expected arrival date
tracking_history	jsonb	—	—	Courier updates
created_at	timestampz	now()	—	Timestamp created

9) Table: gift_previews

Column	Type	Default	Constraints	Notes
id	uuid	gen_random_uuid()	Primary key	Preview ID
user_id	uuid	—	FOREIGN KEY → users.id	Owner
preview_url	text	—	—	Cloudinary link for preview
personalization	jsonb	—	—	e.g. {"text": "Happy Birthday Kajal"}
created_at	timestampz	now()	—	Created timestamp

10) Table: categories

Column	Type	Default	Constraints	Notes
id	uuid	gen_random_uuid()	Primary key	Category ID
name	text	—	NOT NULL, UNIQUE	Category name (e.g. 'Pouches')
description	text	—	—	Optional category description
created_at	timestampz	now()	—	Created timestamp

11) Table: coupons

Column	Type	Default	Constraints	Notes
id	uuid	gen_random_uuid()	Primary key	Coupon ID
code	text	—	NOT NULL, UNIQUE	Coupon code string
description	text	—	—	coupon description
discount_type	text	'Percent'::text	—	flat / percent
discount_value	int4	—	NOT NULL	Discount amount
min_order_value	int4	—	—	Minimum subtotal required
max_discount	int4	—	—	Maximum discountable value
start_date	date	—	—	Start date of coupon

end_date	date	—	—	Expiration date
is_active	boolean	true	—	Active status
usage_limit	int4	—	—	Number of coupons limit
usage_per_user	int4	1	—	Limit of a coupon for a user
usage_count	int4	0	—	Number of universal usage for a coupon.
created_at	timestampz	now()	—	Created timestamp

12) Table: coupons_applied

Column	Type	Default	Constraints	Notes
id	uuid	gen_random_uuid()	Primary key	Record ID
order_id	uuid	—	FOREIGN KEY → orders.id	Which order used it
coupon_id	uuid	—	FOREIGN KEY → coupons.id	Which coupon applied
discount_amount	int4	—	—	Amount discounted (₹)
created_at	timestampz	now()	—	When applied

13) Table: reviews

Column	Type	Default	Constraints	Notes
id	uuid	gen_random_uuid()	Primary key	Review ID
product_id	uuid	—	FOREIGN KEY → products.id	Product reviewed
user_id	uuid	—	FOREIGN KEY → users.id	Reviewer
rating	int2	—	NOT NULL	Rating (1–5)
comment	text	—	—	Optional feedback
created_at	timestampz	now()	—	Timestamp

14) Table: wishlist

Column	Type	Default	Constraints	Notes
id	uuid	gen_random_uuid()	Primary key	Wishlist item ID
user_id	uuid	—	FOREIGN KEY → users.id	Owner
product_id	uuid	—	FOREIGN KEY → products.id	Wishlisted product
created_at	timestampz	now()	—	Added date

15) Table: carts

Column	Type	Default	Constraints	Notes
id	uuid	gen_random_uuid()	Primary key	One Cart ID per user
user_id	uuid	—	FOREIGN KEY → users.id	Owner
session_id	text	—	—	Guest user session id
expires_at	timestampz	now() + 7 days	—	Autoclear guest carts
created_at	timestampz	now()	—	Added timestamp
updated_at	timestampz	now()	—	Added timestamp

16) Table: cart_items

Column	Type	Default	Constraints	Notes
id	uuid	gen_random_uuid()	Primary key	Cart item ID
user_id	uuid	—	FOREIGN KEY → users.id	Owner
product_variant_id	uuid	—	FOREIGN KEY → product_variants.id	Product in cart
quantity	int4	1	NOT NULL	Quantity
created_at	timestampz	now()	—	Added timestamp
bundle_origin	text	—	—	Optional: 'brand_bundle', 'custom_bundle', or NULL
bundle_id	uuid	—	—	Optional: links to bundles.id, custom_bundles.id, or bundle_user_public.id

17) Table: bundles

Column	Type	Default	Constraints	Notes
id	uuid	gen_random_uuid()	Primary key	Unique bundle ID
title	text	—	NOT NULL	Bundle name (e.g., "Birthday Bloom Box")

description	text	—	—	Short description
price	int4	—	NOT NULL	Total price for bundle
img_url	text	—	—	Display image (Cloudinary URL)
is_active	bool	true	—	Visibility toggle
created_at	timestampz	now()	—	Created timestamp
updated_at	timestampz	now()	—	Updated timestamp

18) Table: bundle_items

Column	Type	Default	Constraints	Notes
id	uuid	gen_random_uuid()	Primary key	Record ID
bundle_id	uuid	—	FK → bundles.id ON DELETE CASCADE	Parent bundle
product_id	uuid	—	FK → products.id	Base product
product_variant_id	uuid	—	FK → product_variants.id	Optional variant
quantity	int4	1	—	Quantity of product
created_at	timestampz	now()	—	Timestamp
CHECK	—	—	—	(product_id IS NOT NULL OR product_variant_id IS NOT NULL)

19) Table: bundles_custom

Column	Type	Default	Constraints	Notes
id	uuid	gen_random_uuid()	Primary key	User's custom bundle ID
user_id	uuid	—	FK → users.id	Bundle owner
order_id	uuid	—	FK → orders.id	Linked order after purchase
title	text	—	—	Optional name (e.g., "My Pink Surprise Box")

total_price	int4	—	—	Bundle total at checkout
is_published	bool	false	—	Whether user made it public
created_at	timestampz	now()	—	Created timestamp

20) Table: bundle_custom_items

Column	Type	Default	Constraints	Notes
id	uuid	gen_random_uuid()	Primary key	Record ID
custom_bundle_id	uuid	—	FK → custom_bundles.id ON DELETE CASCADE	Parent bundle
product_id	uuid	—	FK → products.id	Base product
product_variant_id	uuid	—	FK → product_variants.id	Optional variant
quantity	int4	1	—	Quantity of product
created_at	timestampz	now()	—	Timestamp
CHECK	—	—	—	(product_id IS NOT NULL OR product_variant_id IS NOT NULL)

21) Table: bundle_user_public

Column	Type	Default	Constraints	Notes
id	uuid	gen_random_uuid()	Primary key	Public bundle ID
custom_bundle_id	uuid	—	FK → custom_bundles.id	Source bundle
user_id	uuid	—	FK → users.id	Creator (public sharer)
title	text	—	NOT NULL	Public name (e.g., “Kajal’s Glam Box”)
username	text	—	—	Display name of creator
description	text	—	—	Optional

				description/message
total_price	int4	—	—	Price snapshot
upvote_count	int4	0	—	Cached upvote counter
img_url	text	—	—	Thumbnail / representative image
created_at	timestampz	now()	—	Created timestamp

22) Table: bundle_user_items_public

Column	Type	Default	Constraints	Notes
id	uuid	gen_random_uuid()	Primary key	Record ID
user_bundle_id	uuid	—	FK → bundle_user_public.id ON DELETE CASCADE	Public parent bundle
product_id	uuid	—	FK → products.id	Base product
product_variant_id	uuid	—	FK → product_variants.id	Optional variant
quantity	int4	1	—	Quantity of product
created_at	timestampz	now()	—	Timestamp
CHECK	—	—	—	(product_id IS NOT NULL OR product_variant_id IS NOT NULL)

23) Table: bundle_user_upvotes

Column	Type	Default	Constraints	Notes
id	uuid	gen_random_uuid()	Primary key	Record ID
user_id	uuid	—	FK → users.id	Who liked
user_bundle_id	uuid	—	FK → bundle_user_public.id	Which public bundle
created_at	timestampz	now()	—	Timestamp

UNIQUE(user_id, user_bundle_id)	—	—	—	Prevent duplicate upvotes
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