Database schema diagram (dbdiagram.io)

allergen

column	type
id	bigserial
name	text

app_user

column	type	
id	uuid	
role	user_role E	NN
email	text	NN
phone	text	
password_hash	text	NN
is_active	boolean	
created_at	timestamptz	
updated_at	timestamptz	

producer_profile

column	type
user_id	uuid
business_name	text
contact_name	text
business_address_id	uuid
is_verified	boolean
min_lead_hours	integer
created_at	timestamptz

product_category

column	type	
id	bigserial	
name	text	NN
created_at	timestamptz	

address

column	type	
id	uuid	
line1	text	NN
line2	text	
city	text	
postcode	text	NN
created_at	timestamptz	

commission_policy

column	type
id	bigserial
rate_bp	integer
effective_from	timestamptz
effective_to	timestamptz

settlement_week

column	type
id	uuid
week_start	date
week_end	date
status	settlement_status E
created_at	timestamptz

notification

column	type
id	uuid
user_id	uuid
type	notification_type E
channel	notification_channel E
title	text
body	text
data	jsonb
is_read	boolean
created_at	timestamptz

customer_profile

column	type
user_id	uuid
type	customer_type E
full_name	text
delivery_address_id	uuid
org_name	text
created_at	timestamptz

product

column	type
id	uuid
producer_id	uuid
category_id	bigint
name	text
description	text
price_pence	integer
unit	text
availability	availability_status E
seasonal_start_month	smallint
seasonal_end_month	smallint
stock_qty	integer
low_stock_threshold	integer
organic_certified	boolean
harvest_date	date
best_before_date	date
created_at	timestamptz
updated_at	timestamptz

cart

column	type
id	uuid
customer_id	uuid
created_at	timestamptz
updated_at	timestamptz

customer_order

column	type
id	uuid
customer_id	uuid
delivery_address_id	uuid
status	order_status E
placed_at	timestamptz
total_gross_pence	integer
commission_pence	integer
total_net_pence	integer
currency	text
notes	text

recurring_order_template

column	type
id	uuid
customer_id	uuid
name	text
rrule	text
active	boolean
created_at	timestamptz

producer_settlement

column	type
id	uuid
settlement_week_id	uuid
producer_id	uuid
gross_pence	integer
commission_pence	integer
payout_pence	integer
status	settlement_status E
processed_ref	text
created_at	timestamptz

content_post

column	type
id	uuid
producer_id	uuid
kind	text
title	text
body	text
seasonal_tag	text
created_at	timestamptz

product_allergen

column	type
product_id	uuid
allergen_id	bigint

product_image

column	type
id	uuid
product_id	uuid
url	text
created_at	timestamptz

surplus_deal

column	type
id	uuid
product_id	uuid
discount_bp	integer
expires_at	timestamptz
note	text
created_at	timestamptz

cart_item

column	type
cart_id	uuid
product_id	uuid
quantity	integer
added_at	timestamptz

producer_order

column	type
id	uuid
customer_order_id	uuid
producer_id	uuid
delivery_date	date
status	order_status E
status_updated_at	timestamptz
subtotal_pence	integer
producer_payout_pence	integer

payment_transaction

column	type
id	uuid
customer_order_id	uuid
provider	text
provider_ref	text
status	payment_status E
amount_pence	integer
created_at	timestamptz
updated_at	timestamptz

order_commission

column	type
customer_order_id	uuid
commission_policy_id	bigint
rate_bp_snapshot	integer

product_review

column	type
id	uuid
product_id	uuid
customer_id	uuid
stars	smallint
title	text
body	text
created_at	timestamptz

recurring_order_item

column	type
template_id	uuid
product_id	uuid
quantity	integer

recurring_order_instance

column	type
id	uuid
template_id	uuid
scheduled_for	date
customer_order_id	uuid
status	text
created_at	timestamptz

content_product_link

column	type
content_id	uuid
product_id	uuid

order_item

column	type
id	uuid
customer_order_id	uuid
producer_order_id	uuid
product_id	uuid
product_name_snapshot	text
unit_snapshot	text
price_pence_snapshot	integer
quantity	integer
line_total_pence	integer
created_at	timestamptz

producer_order_settlement_link

column	type
producer_order_id	uuid
producer_settlement_id	uuid

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column	type
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business_name	text
contact_name	text
business_address_id	uuid
is_verified	boolean
min_lead_hours	integer
created_at	timestamptz

product_category
column	type
id	bigserial
name	text NN
created_at	timestamptz

address
column	type
id	uuid
line1	text NN
line2	text
city	text
postcode	text NN
created_at	timestamptz

notification
column	type
id	uuid
user_id	uuid
type	notification_type E
channel	notification_channel E
title	text
body	text
data	jsonb
is_read	boolean
created_at	timestamptz

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column	type
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org_name	text
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created_at	timestamptz
updated_at	timestamptz

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customer_id	uuid
created_at	timestamptz
updated_at	timestamptz

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column	type
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customer_id	uuid
delivery_address_id	uuid
status	order_status E
placed_at	timestamptz
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commission_pence	integer
total_net_pence	integer
currency	text
notes	text

recurring_order_template
column	type
id	uuid
customer_id	uuid
name	text
rrule	text
active	boolean
created_at	timestamptz

producer_settlement
column	type
id	uuid
settlement_week_id	uuid
producer_id	uuid
gross_pence	integer
commission_pence	integer
payout_pence	integer
status	settlement_status E
processed_ref	text
created_at	timestamptz

content_post
column	type
id	uuid
producer_id	uuid
kind	text
title	text
body	text
seasonal_tag	text
created_at	timestamptz

product_allergen
column	type
product_id	uuid
allergen_id	bigint

product_image
column	type
id	uuid
product_id	uuid
url	text
created_at	timestamptz

surplus_deal
column	type
id	uuid
product_id	uuid
discount_bp	integer
expires_at	timestamptz
note	text
created_at	timestamptz

cart_item
column	type
cart_id	uuid
product_id	uuid
quantity	integer
added_at	timestamptz

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column	type
id	uuid
customer_order_id	uuid
producer_id	uuid
delivery_date	date
status	order_status E
status_updated_at	timestamptz
subtotal_pence	integer
producer_payout_pence	integer

payment_transaction
column	type
id	uuid
customer_order_id	uuid
provider	text
provider_ref	text
status	payment_status E
amount_pence	integer
created_at	timestamptz
updated_at	timestamptz

order_commission
column	type
customer_order_id	uuid
commission_policy_id	bigint
rate_bp_snapshot	integer

product_review
column	type
id	uuid
product_id	uuid
customer_id	uuid
stars	smallint
title	text
body	text
created_at	timestamptz

recurring_order_item
column	type
template_id	uuid
product_id	uuid
quantity	integer

recurring_order_instance
column	type
id	uuid
template_id	uuid
scheduled_for	date
customer_order_id	uuid
status	text
created_at	timestamptz

content_product_link
column	type
content_id	uuid
product_id	uuid

order_item
column	type
id	uuid
customer_order_id	uuid
producer_order_id	uuid
product_id	uuid
product_name_snapshot	text
unit_snapshot	text
price_pence_snapshot	integer
quantity	integer
line_total_pence	integer
created_at	timestamptz

producer_order_settlement_link
column	type
producer_order_id	uuid
producer_settlement_id	uuid

dbdiagram.io

```
Enum user_role {
    customer
    producer
    admin
}

Enum customer_type {
    individual
    restaurant
    community_group
}

Enum availability_status {
    in_season
    available_year_round
    out_of_season
    unavailable
}

Enum order_status {
    pending
    confirmed
    ready
    delivered
    cancelled
}

Enum payment_status {
    initiated
    authorised
    captured
    failed
    refunded
}

Enum settlement_status {
    pending
    processed
}

Enum notification_channel {
    in_app
    email
}

Enum notification_type {
    order_status
    low_stock
    surplus_deal
    recurring_order
    system
}
```