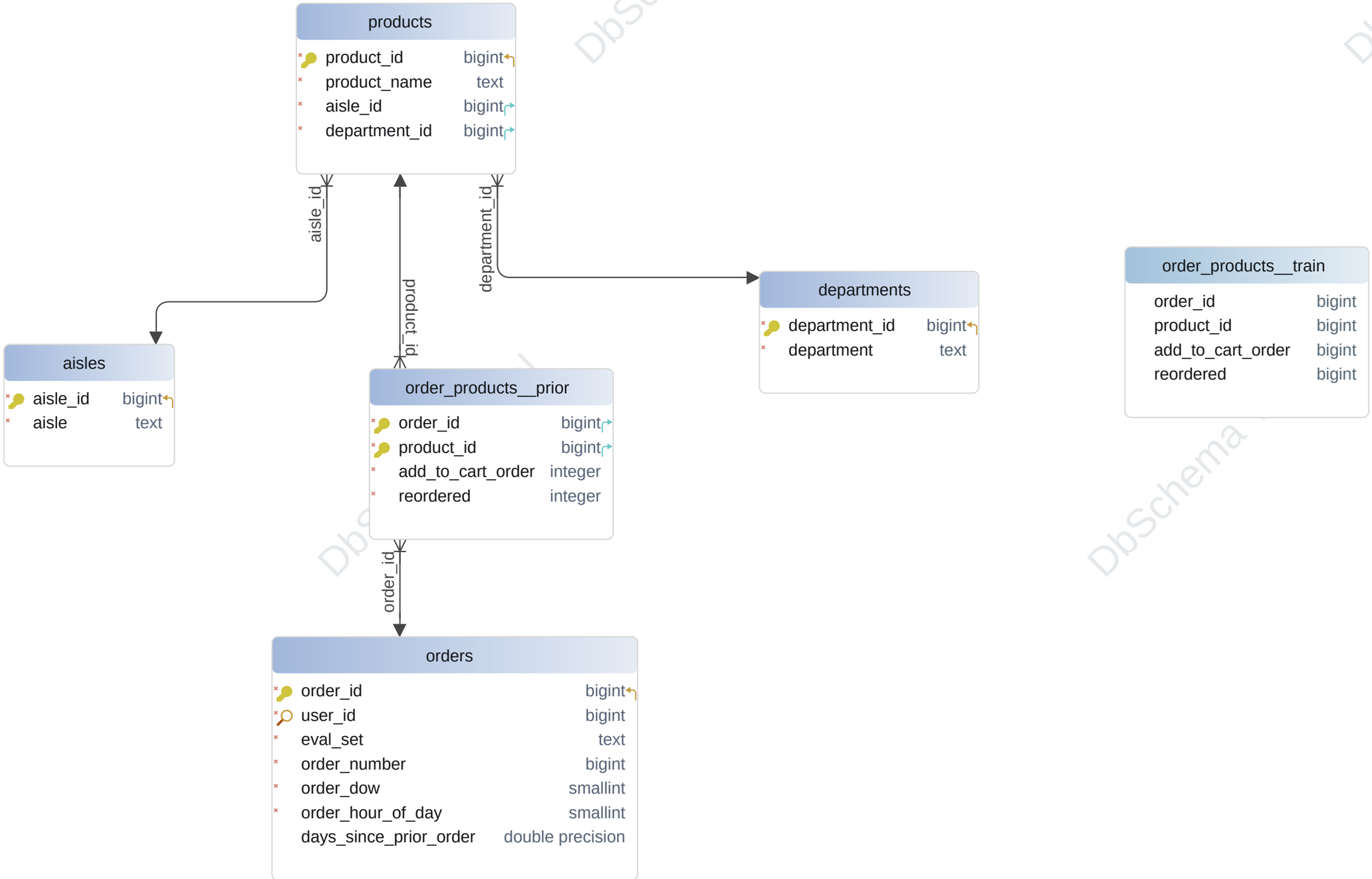
products
product_id bigint
product_name text
aisle_id bigint
department_id bigint
aisle_id
product_id
department_id
aisles
aisle_id bigint
aisle text
order_products__prior
order_id bigint
product_id bigint
add_to_cart_order integer
reordered integer
order_id
departments
department_id bigint
department text
order_products__train
order_id bigint
product_id bigint
add_to_cart_order bigint
reordered bigint
orders
order_id bigint
user_id bigint
eval_set text
order_number bigint
order_dow smallint
order_hour_of_day smallint
days_since_prior_order double precision

~Diagram with Sample Tools

Table aisles

Idx	Name	Data Type	Description
* Pk	aisle_id	bigint	Primary key: unique aisle identifier
*	aisle	text	Name of the aisle (e.g. "produce", "beverages")

Indexes

Type	Name	On	Description
Pk	aisles_pkey	aisle_id	

Table departments

Idx	Name	Data Type	Description
* Pk	department_id	bigint	Primary key: unique department identifier
*	department	text	Name of the department (e.g. "snacks", "dairy")

Indexes

Type	Name	On	Description
Pk	departments_pkey	department_id	

Table order_products__prior

Idx	Name	Data Type	Description
* Pk	order_id	bigint	Order identifier (no FK here to allow flexible load ordering)
* Pk	product_id	bigint	Product identifier (no FK here to allow flexible load ordering)
*	add_to_cart_order	integer	Position this product was added to cart within the order (1 = first)
*	reordered	integer	Integer flag: 1 if user previously ordered this product, 0 otherwise

Indexes

Type	Name	On	Description
Pk	order_products__prior_pkey	order_id, product_id	

Foreign Keys

Type	Name	On	Description
	fk_order_products_orders (order_id) ref orders (order_id)		
	fk_order_products_products (product_id) ref products (product_id)		

Constraints

	Name	Definition	Description
	order_products__prior_add_to_cart_order_check	add_to_cart_order > 0	
	order_products__prior_reordered_check	reordered = ANY (ARRAY[0, 1])	

Table order_products__train

Idx	Name	Data Type
	order_id	bigint
	product_id	bigint
	add_to_cart_order	bigint
	reordered	bigint

Table orders

Idx	Name	Data Type	Description
* Pk	order_id	bigint	Primary key: unique order identifier

Table orders

* Idx	user_id	bigint	Identifier for the user who placed the order (no users table in this dataset)
*	eval_set	text	Which set this order belongs to: prior, train, or test
*	order_number	bigint	Sequence number of this order for the user (1 = first)
*	order_dow	smallint	Day of week (0=Sunday..6=Saturday)
*	order_hour_of_day	smallint	Hour of day (0-23)
	days_since_prior_order	double precision	Number of days since previous order (NULL for first order)

Indexes

Type	Name	On	Description
Pk	orders_pkey	order_id	
	idx_orders_user_id	user_id	Index on orders(user_id) to speed per-user queries

Constraints

	Name	Definition	Description
	orders_eval_set_check	eval_set = ANY (ARRAY['prior'::text, 'train'::text, 'test'::text])	
	orders_order_number_check	order_number > 0	
	orders_order_dow_check	order_dow >= 0) AND (order_dow <= 6	
	orders_order_hour_of_day_check	order_hour_of_day >= 0) AND (order_hour_of_day <= 23	
	orders_days_since_prior_order_check	days_since_prior_order >= (0)::double precision	

Table products

Idx	Name	Data Type	Description
* Pk	product_id	bigint	Primary key: unique product identifier
*	product_name	text	Product name/description
*	aisle_id	bigint	Aisle identifier (no FK here to allow flexible load ordering)
*	department_id	bigint	Department identifier (no FK here to allow flexible load ordering)

Indexes

Type	Name	On	Description
Pk	products_pkey	product_id	

Foreign Keys

Type	Name	On	Description
	fk_products_aisle (aisle_id) ref aisles (aisle_id)		
	fk_products_department (department_id) ref departments (department_id)		