

clients_preferences		
PK FK, NOT NULL	preference_id	BIGSERIAL
	client_id	BIGINT
	property_type	VARCHAR(100)
	min_price	NUMERIC(15, 2)
	max_price	NUMERIC(15, 2)
	min_bedrooms	INTEGER
	max_bedrooms	INTEGER
	min_bathrooms	INTEGER
	max_bathrooms	INTEGER
NOT NULL	preferred_zip	VARCHAR(20)

clients		
PK	client_id	BIGSERIAL
NOT NULL	first_name	VARCHAR(100)
	middle_name	VARCHAR(100)
	last_name	VARCHAR(100)
	email	VARCHAR(255)
	phone	CHAR(10)
NOT NULL	client_type	VARCHAR(20)
	budget	NUMERIC(15, 2)

appointments		
PK	appointment_id	BIGSERIAL
FK, NOT NULL	client_id	BIGINT
FK, NOT NULL	employee_id	BIGINT
NOT NULL	appointment_time	TIMESTAMP
NOT NULL	status	VARCHAR(50)
	comments	TEXT

saved_listings		
PK, FK	property_id	BIGINT
PK, FK	client_id	BIGINT

open_houses		
PK	event_id	BIGSERIAL
FK, NOT NULL	property_id	BIGINT
NOT NULL	event_date	DATE
NOT NULL	attendees_count	INTEGER

property_views		
PK	view_id	BIGSERIAL
FK, NOT NULL	property_id	BIGINT
NOT NULL	view_date	TIMESTAMP
NOT NULL	channel	VARCHAR(20)
	viewer_ip	VARCHAR(50)

properties		
PK	property_id	BIGSERIAL
FK, NOT NULL	office_id	BIGINT
NOT NULL	property_name	VARCHAR(50)
NOT NULL	address	TEXT
NOT NULL	city	VARCHAR(50)
NOT NULL	state	CHAR(2)
NOT NULL	zip_code	VARCHAR(20)
NOT NULL	listing_date	DATE
NOT NULL	listing_price	NUMERIC(15, 2)
NOT NULL	property_type	VARCHAR(20)
NOT NULL	bedrooms	NUMERIC(3, 1)
NOT NULL	bathrooms	NUMERIC(3, 1)
NOT NULL	square_feet	NUMERIC(6, 2)
NOT NULL	status	VARCHAR(20)

offers		
PK	offer_id	BIGSERIAL
FK	property_id	BIGINT
FK	client_id	BIGINT
FK	offer_price	NUMERIC(15, 2)
	offer_date	DATE
	accepted_date	DATE

reach_outs		
PK	reach_out_id	BIGSERIAL
FK, NOT NULL	client_id	BIGINT
FK, NOT NULL	employee_id	BIGINT
	source	VARCHAR(50)
NOT NULL	created_date	TIMESTAMP
NOT NULL	status	VARCHAR(50)

marketing_campaigns		
PK	campaign_id	BIGSERIAL
NOT NULL	campaign_name	VARCHAR(100)
NOT NULL	channel	VARCHAR(100)
NOT NULL	start_date	DATE
NOT NULL	end_date	DATE
NOT NULL	budget	NUMERIC(15, 2)

campaign_leads_link		
PK, FK	campaign_id	BIGINT
PK, FK	reach_out_id	BIGINT

lead_followups		
PK	followup_id	BIGSERIAL
FK, NOT NULL	lead_id	BIGINT
NOT NULL	contact_date	TIMESTAMP
NOT NULL	method	VARCHAR(50)
NOT NULL	notes	TEXT

transactions		
PK	transaction_id	BIGSERIAL
FK, NOT NULL	offer_id	BIGINT
FK, NOT NULL	employee_id	BIGINT
NOT NULL	transaction_date	DATE
NOT NULL	final_price	NUMERIC(15, 2)
NOT NULL	transaction_type	VARCHAR(50)

commission_payouts		
PK	payout_id	BIGSERIAL
FK, NOT NULL	employee_id	BIGINT
FK, NOT NULL	transaction_id	BIGINT
NOT NULL	commission_amount	NUMERIC(15, 2)
NOT NULL	payout_date	DATE

shifts		
PK, FK	employee_id	BIGINT
PK	shift_date	DATE
PK	start_time	TIME
NOT NULL	end_time	TIME

time_off_requests		
PK	request_id	BIGSERIAL
FK, NOT NULL	employee_id	BIGINT
NOT NULL	start_date	DATE
NOT NULL	end_date	DATE
NOT NULL	reason	TEXT
NOT NULL	status	VARCHAR(15)

employees		
PK	employee_id	BIGSERIAL
FK, NOT NULL	office_id	BIGINT
NOT NULL	first_name	VARCHAR(100)
NOT NULL	middle_name	VARCHAR(100)
NOT NULL	last_name	VARCHAR(100)
NOT NULL	email	VARCHAR(255)
NOT NULL	phone	CHAR(10)
NOT NULL	hire_date	DATE
NOT NULL	base_salary	NUMERIC(15, 2)

offices		
PK	office_id	BIGSERIAL
NOT NULL	name	VARCHAR(50)
NOT NULL	address	TEXT
NOT NULL	city	VARCHAR(50)
NOT NULL	state	CHAR(2)
NOT NULL	zip_code	VARCHAR(20)
NOT NULL	opening_date	DATE

property_feature_link		
PK, FK	property_id	BIGINT
PK, FK	feature_id	INTEGER

features		
PK	feature_id	SERIAL
	feature	VARCHAR(50)