Dream Homes NYC - ER Diagram

ER Diagram Key
- Reference Tables (Lookups)
- People Tables / Core Entities
- Properties & Inventory
- Clients & Interactions
- Transactions / Activities

realestate.states
PK	state_code	character(2)
	state_name	character varying(100)

realestate.property_types
PK	property_type_id	smallint
AK	name	character varying(100)

realestate.listing_statuses
PK	listing_status_id	smallint
AK	name	character varying(100)

realestate.appointment_types
PK	appointment_type_id	smallint
AK	name	character varying(100)

realestate.appointment_outcomes
PK	appointment_outcome_id	smallint
AK	name	character varying(100)

realestate.offer_statuses
PK	offer_status_id	smallint
AK	name	character varying(100)

realestate.marketing_channels
PK	marketing_channel_id	smallint
AK	name	character varying(100)

realestate.users
PK	user_id	bigint
AK	username	character varying(150)
AK	email	character varying(150)
	role	character varying(50)
	created_at	timestamp with time zone

realestate.listings
PK	listing_id	bigint
FK,AK	property_id	bigint
FK	agent_id	bigint
	list_price	numeric
FK	listing_status_id	smallint
	listed_date	date
	closed_date	date

realestate.clients
PK	client_id	bigint
	first_name	character varying(100)
	last_name	character varying(100)
AK	email	character varying(150)
	phone	character varying(20)
	client_type	character varying(50)
	demographics	jsonb
FK	mailing_address_id	bigint

realestate.agents
PK	agent_id	bigint
	first_name	character varying(100)
	last_name	character varying(100)
AK	email	character varying(150)
	phone	character varying(20)
AK	license_number	character varying(50)
	employment_type	character varying(100)
	commission_rate	numeric
	hire_date	date
	active	boolean
FK	user_id	bigint
	role	character varying(50)
FK	office_id	bigint

realestate.addresses
PK	address_id	bigint
	line1	character varying(200)
	line2	character varying(100)
	city	character varying(150)
FK	state_code	character(2)
	postal_code	character varying(9)
	latitude	numeric
	longitude	numeric

realestate.properties
PK	property_id	bigint
FK	address_id	bigint
FK	property_type_id	smallint
	bedrooms	smallint
	bathrooms	numeric
	square_feet	integer
	year_built	smallint
	description	text
FK	owner_client_id	bigint

realestate.client_preferences
PK,FK	client_id	bigint
	min_price	numeric
	max_price	numeric
	desired_bedrooms	smallint
	desired_bathrooms	numeric
FK	property_type_id	smallint

realestate.offices
PK	office_id	bigint
	name	character varying(100)
	phone	character varying(11)
	email	character varying(150)
FK	address_id	bigint
FK	manager_agent_id	bigint

realestate.appointments
PK	appointment_id	bigint
FK	appointment_type_id	smallint
	appointment_datetime	timestamp with time zone
FK	listing_id	bigint
FK	client_id	bigint
FK	appointment_outcome_id	smallint
	notes	text

realestate.marketing_channels
PK	marketing_channel_id	smallint
AK	name	character varying(100)

realestate.transactions
PK	transaction_id	bigint
FK,AK	listing_id	bigint
FK	buyer_client_id	bigint
FK	seller_client_id	bigint
FK	agent_id	bigint
FK	office_id	bigint
	transaction_type	character varying(50)
	close_price	numeric
	commission_pct	numeric
	commission_amount	numeric
	close_date	date

realestate.offers
PK	offer_id	bigint
FK	listing_id	bigint
FK	buyer_client_id	bigint
	offer_amount	numeric
	offer_date	date
FK	offer_status_id	smallint
	notes	text