Entity Relationship Diagram

USERS
uuid	user_id	PK	
varchar	email	UK	Unique email
varchar	name		
varchar	password_hash		
boolean	email_verified		
boolean	is_active		
boolean	is_staff		
boolean	is_superuser		
datetime	created_at		
datetime	updated_at		
datetime	last_login		
integer	failed_login_attempts		
datetime	account_locked_until		

WEATHER_CACHE
integer	id	PK	
varchar	location		
json	weather_data		
varchar	api_provider		
varchar	cache_key	UK	
datetime	created_at		
datetime	expires_at		

CLOTHING_ITEMS
uuid	item_id	PK	
uuid	user	FK	
varchar	name		
varchar	category		tops, bottoms, dresses, etc
varchar	subcategory		
varchar	color		
varchar	secondary_color		
image	image		
image	thumbnail		
float	cv_confidence		
json	cv_metadata		
text	cv_description		AI-generated description
varchar	season		
varchar	brand		
date	purchase_date		
decimal	price		
boolean	is_favorite		
integer	wear_count		
date	last_worn		
boolean	is_active		
boolean	is_dirty		
datetime	deleted_at		
datetime	created_at		
datetime	updated_at		

USER_PROFILES
uuid	user	PK,FK	
json	style_prefs		Favorite colors, styles, occasions
varchar	last_known_location		
varchar	preferred_weather_unit		
varchar	user_timezone		
boolean	data_processing_consent		
boolean	marketing_emails_consent		
datetime	created_at		
datetime	updated_at		

OUTFIT_SUGGESTIONS
uuid	suggestion_id	PK	
uuid	user	FK	
text	prompt		User's style request
varchar	location		
json	weather		Weather data at time
json	items_included		List of item IDs
json	outfit_structure		Organized by category
text	ai_rationale		AI explanation
float	confidence_score		
varchar	model_version		
float	weather_score		
float	prompt_score		
float	color_harmony_score		
float	user_affinity_score		
float	recency_penalty		
float	final_score		
boolean	is_active		
datetime	created_at		

RECOMMENDATION_SESSIONS
uuid	session_id	PK	
uuid	user	FK	
text	original_prompt		
varchar	location		
json	weather_data		
integer	processing_time_ms		
integer	wardrobe_items_considered		
integer	total_combinations_scored		
integer	suggestions_generated		
boolean	weather_api_called		
integer	weather_api_response_time_ms		
boolean	ai_api_called		
integer	ai_api_response_time_ms		
boolean	completed_successfully		
text	error_message		
datetime	created_at		
datetime	completed_at		

STYLE_VECTORS
uuid	user	PK,FK	
json	vector_data		User preference vector
float	learning_rate		
integer	total_feedback_count		
datetime	last_updated		
datetime	created_at		

TAGS
uuid	tag_id	PK	
uuid	item	FK	
varchar	tag		
varchar	source		user, cv, system
float	confidence		
datetime	created_at		

Relationships:
- USERS has USER_PROFILES
- USERS owns CLOTHING_ITEMS
- USERS receives OUTFIT_SUGGESTIONS
- USERS creates RECOMMENDATION_SESSIONS
- USERS has STYLE_VECTORS
- CLOTHING_ITEMS has TAGS