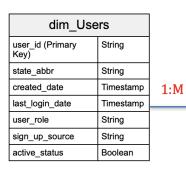
First: Review Existing Unstructured Data and Diagram a New Structured Relational Data Model



dim_Date		
date_key (Primary Key)	String	
date	Timestamp	
month	String	
year	String	

dim_Geography	
geography_key (Primary Key)	String
state_abbr	String
state	String
country	String

fact_Receipts	
receipt_id (Primary Key)	String
bonus_points_earned	Numeric
bonus_points_earned_reason	String
create_date	Timestamp
date_scanned	Timestamp
finished_date	Timestamp
modify_date	Timestamp
points_awarded_date	Timestamp
points_earned	Numeric
purchase_date	Timestamp
purchased_item_count	Integer
reward_receipt_status	String
total_spent	Numeric
user_id (Foreign Key)	String
1:M	

fact_RecieptItems	
receipt_item_id (Primary Key)	String
receipt_id (Foreign Key)	String
barcode (Foreign Key)	String
brand_code	String
description	String
item_number	String
item_price	Numeric
discounted_item_price	Numeric
price_after_coupon	Numeric
final_price	Numeric
deleted	String
quantity_purchased	Integer
original_final_price	Numeric
original_metabrite_description	String
original_metabrite_item_price	Numeric
original_metabrite_barcode	String
original_metabrite_quantity_pur chased	Integer
original_receipt_item_text	String

dim_Brands		
brand_id (Primary Key)	String	
barcode (Foreign Key)	String	
brand_code	String	
brand_name	String	
category	String	
category_code	String	
cgp_id	String	
cgp_reference	String	
top_brand	Boolean	

M:1

points_earned	Integer
points_not_awarded_reason	String
points_payer_id	String
rewards_group	String
rewards_product_partner_id	String
target_price	Numeric
competitor_rewards_group	String
competitive_product	Boolean
prevent_target_gap_points	Boolean
needs_fetch_review	Boolean
needs_fetch_review_reason	String
meta_brite_campaign_id	String
user_flagged_barcode	String
user_flagged_description	String
user_flagged_price	Numeric
user_flagged_quantity	Integer
user_flagged_new_item	Boolean