

created_timestamp is added to every table to help record management and troubleshooting. Will track the physical creation in UTC of records in our tables
modified_timestamp will be added to each table to help with record management. Will track last modified date in UTC of records in our tables

During ingestion, create entry for each item in Receipts.receiptItemList. PK in this table will be auto incremented based on number of unique items in a given receipt
Triggers can be made to automatically manage both

If cpg is it's own entity, should cpgId be PK and receipt_items.rewardsProductPartnerId be FK?

receipt_items		
PK	receiptItemKey	INT
FK	receiptKey	INT
FK	barcode	VARCHAR(256)
	description	VARCHAR(256)
	finalPrice	INT
	itemNumber	VARCHAR(256)
	itemPrice	INT
	needsFetchReview	BOOL
	needsFetchReviewReason	VARCHAR(256)
	partnerItemId	INT
	pointsNotAwardedReason	VARCHAR(256)
	pointsPayerId	INT
	preventTargetGapPoints	BOOL
	quantityPurchased	INT
	rewardsGroup	VARCHAR(256)
	rewardsProductPartnerId	VARCHAR(256)
	userFlaggedBarcode	INT
	userFlaggedDescription	VARCHAR(256)
	userFlaggedNewItem	BOOL
	userFlaggedPrice	INT
	userFlaggedQuantity	INT
	originalMetaBriteBarcode	VARCHAR(256)
	created_timestamp	DATETIME
	modified_timestamp	DATETIME
	brandCode	VARCHAR(256)36

Brands		
PK	brandKey	PK INT
FK	barcode	VARCHAR(256)
	brandCode	VARCHAR(256)
	category	VARCHAR(256)
	categoryCode	VARCHAR(256)
	cpgId	VARCHAR(256)
	cpgRef	VARCHAR(256)
	topBrand	BOOL
	name	VARCHAR(256)
	created_timestamp	DATETIME
	modified_timestamp	DATETIME

Transactions		
PK	transactionKey	INT
FK	brandKey	INT
FK	receiptKey	INT
FK	userKey	INT
	transaction_timestamp	DATETIME
	created_timestamp	DATETIME
	modified_timestamp	DATETIME

Receipts		
PK	receiptKey	INT
	bonusPointsEarned	INT
	bonusPointsEarnedReason	VARCHAR(256)
	createDate	DATETIME
	dateScanned	DATETIME
	finishedDate	DATETIME
	modifyDate	DATETIME
	pointsAwardedDate	DATETIME
	pointsEarned	FLOAT(32)
	purchaseDate	DATETIME
	purchasedItemCount	INT
	rewardsReceiptStatus	VARCHAR(256)
	totalSpent	FLOAT(32)
FK	userId	VARCHAR(256)
	created_timestamp	DATETIME
	modified_timestamp	DATETIME

Users		
PK	userKey	VARCHAR(256)
	state	VARCHAR(2)
	createdDate	DATE
	lastLogin	DATETIME
	role	VARCHAR(256)
	active	BOOL
	created_timestamp	DATETIME
	modified_timestamp	DATETIME

Updated all PK values to (something)_key in order to distinguish field. Used "key" instead of id to avoid misunderstanding with Receipts.userId

Add Transaction table as main join between Brand, Receipt, and User. Hopefully will help create more efficient join logic for later queries

This can be a view generated after all other tables are ingested
PK transactionKey can be auto incremented by entry

transaction_timestamp is when the actual transaction occurred (i.e. createDate from Receipts table)