



*It is unclear to me whether there should be a relationship between the barcode field in **dim_brands** and the barcodes that appear in the **rewardsReceiptItemList** field of **fact_receipt**. Based on both the fact that barcodes in **dim_brands** are nonunique and that spot checks of barcodes in **fact_receipt** did not show any records with those barcodes in **dim_brands** have led me to conclude that these barcode fields represent two different entities.

Similarly, I was debating whether to separate **fact_receipt** out into a **dim_receipt** and **fact_receipt_item** table, but ultimately decided that rather than trying to reverse engineer a schema for the messy data in the **rewardsReceiptItemList** field just based on the file it would make more sense to first have a conversation with both business stakeholders and upstream developers to get a better idea of what such a schema should look like from their perspective.