# SQL Challenge 1 Data & Methodology Overview

## Data Dictionary

### Table 1: sales

The *sales* table captures all *customer\_id* level purchases with a corresponding *order\_date* and *product\_id* information for when and what menu items were ordered.

### Table 2: menu

The *menu* table maps the *product\_id* to the actual *product\_name* and *price* of each menu item.

### Table 3: members

The final *members* table captures the *join\_date* when a *customer\_id* joined the beta version of the Danny’s Diner loyalty program.

## Methodology

I have written a SQL query for each of the questions posed by Danny’s Diner about their data. Since it was requested that the results would be accessible on demand, I have structured them as views that can be accessed with very simple queries.

Results can be improved with clarified requirements, information about the membership onboarding flow, and a more complete time-stamp. Lacking this information, I have made and recorded several assumptions about what information is actually desired.