Ordering Process Unidirectional

Order

Start State (Food)

Kitchen Staff Notification

Kitchen Queue

Start State (Not Food)

Wait Staff Notification

Wait Queue

Customer Notification

Stop State (Delivered)

An order is a collection of menu items and metadata which is created by either a Customer or a member of the Wait Staff.

Menu items are categorized into food and non-food. Non-food items include replacement dishware, utensils, napkins, beverages, etcetera. Each menu item has an individual cost associated, which is represented by a non-negative floating point number.

Relevant metadata includes which table is the order's destination, which member of the Wait Staff is assigned to that table, sub-total, sales tax, total, and an order or transaction identifier of some kind.

When an order gets confirmed and logged in the system, then the Kitchen Staff is notified and it enters the Kitchen Queue.

When an order emerges from the Kitchen Queue, it is fully prepared and ready for delivery to the Customer. The appropriate member of the Wait Staff is notified, and then the order enters the Wait Queue.

When an order emerges from the Wait Queue, it is on its way to the Customer. The final step of the process is to notify them of their order's imminent arrival.