1. Charity Selection
The customer's charity selection and client-generated unique transaction id is sent to the TX Processor webservice, and temporarily stored in Sparo's Redis cache.

2. Order Completion
Along with the normal order details, the customer also provides the merchant's ecommerce service with its generated transaction id. The merchant must provide the transaction id to Sparo during the "confirmation" step.

3. Transaction Confirmation
Once the customer's order has completed, the merchant's ecommerce service sends an authenticated request to the TX Processor webservice in order to "confirm" the transaction.

In addition to the customer's transaction id, the merchant also sends the gross sale amount of the purchase, and any additional metadata they would like to track (order ids, customer ids, etc.).

Any transactions which aren't confirmed within two hours of their creation are automatically purged from the Redis cache.

4. Transaction Collection
Every 5 minutes the TX Collector processes all the confirmed transactions in the cache, calculating donation amounts and fees, and preparing for persistence in a permanent transaction log.

5. Transaction Persistence
The final transaction details are persisted into a PostgreSQL database which can be queried for billing and analytics purposes.