The Whole System Diagram

The diagram is aim to use data and events to model the behaviour of the whole system in response to external and internal events.

We built two parts throughout the system, one part of the employee's behavior and the other part of the customer's behavior. Meanwhile, in the Customer part , the most complex part, we define 4 different zone in below:

QR Code using in the beginning

* Customer User Create
* Guests insert the personal details such as Name, Phone Number, Email Address and Date of Birth.
* Saving the information to the system and sign up a new account for the customer.
* Order
  + Making orders by customer choosing the items and if they didn’t sigh up , they will be linked to a interface of User Create. By contrast, they will continue to the step Place Order.
  + After placing the orders, all the orders will be stored in the database or system.
  + If the guest pay the deposit , then order finished. Otherwise renew the state of the order and store again.
* Shipping
  + Store will offer the orders information to the Shipping company.
  + Shipping by the Delivery Company and track the parcel from the company and customers.
  + By the time , if the guests visit the items in shop, they can purchase simultaneously and take items away.
* After Receiving
  + Customer will write the feedback and return them to system.
  + If the payment finished , the Money will be cost automatically.
  + Then finish the Customer Part.

QR Code using in the beginning and the created when the items have been scanned

For the Employee part , we combine the purchaser and supplier as the employee and retailer. Employees can log in to the system as the Customers and sigh up as a new account. They can check the items and update the information like quantities or inventory to the main system. By the time, employees may notice the supplier to gain more items.

Every time items being scanned , the QR code for the specific items will be produced.