E.Q.T Shop specification

1. **Introduction:** 
   1. Reasons

● In the modern word, the trade competition between supermarkets is very keen.

Each companies try a lot of way to increase the numbers of consumers like sales, advertisements, update their services... To know whether their strategy works or not they usually ask the customers to give feedback. And this way not work well, the number of consumers give feedback are not much because they don’t have time or not willing to do so.

● Some companies even use the number of customers access their supermarkets. But by the time they know that the strategy is not work well, they lost a lot of customers to their competitors.

* 1. Purpose

● Therefore, we come up with an idea that we can base on the customer’s emotion before and after they leave the stores to know whether they please with our services.

● Real-time detecting failures of company strategy.

● Reduce the price that those supermarkets have to pay for increase customer’s services.

● Increase the number of consumers.

● Furthermore, we can use those data to recommend goods for customers.

* 1. Meaning

● Applied new technology in tradition markets.

● Customer’s services work more effectively.

1. **Specification:**
   1. The system is divided into 5-module: Image Processing, Q.R code Processing, Face -Recognition, Transaction Processing, Recommend System.
   2. How does it work?

The system include the application is developed and used for devices running android, bank account connected with E.Q.T account

To get started this system, you need sign up an account, and represent by avatar. When they go to the shop, and open the app and then holding it to a scanning device, which works like a subway turnstile and entering the store. At the same time, your account will be transfer to **TRANSACTION PROCESS** in the form “In Process”.

In the store, they use app to scan Q.R code on product, and see information of that product, then order into the basket. At the same time, the bottom with tabs for three button: " Deny", "OK", " Cart ".

* Deny: Use in case the customer does not agree with that part quickly
* OK: This product is added to the cart
* Cart: List of product customers plan to buy

In the cart has two button “Back”, “OK”

* Back: Back to scans Q.R code screen, customer will continue shopping
* OK: confirm product list and create bill
* If you want to remove one or more products, you can swipe left

After the customer sure all products want to buy. They click “OK” and create bill. And the status of your account in Transaction Process change to “Success”. At here, transaction will calculate the amount and automatically deduct money into your bank account.

When the customer view info of product. E.Q.T app will follow and know how to track customer emotions with that product. End of month, statistics, analysis and changes of aspects that are not suitable for customers of that product. Furthermore, we can use those data to recommend goods for customers.

* 1. Module:
     + Image Processing: Use when the customer opens the app and then holding it to a scanning device.
     + Q.R code Processing: Read Q.R code of product, and show all information of it
     + Face Recognition: Follow monitor customers' emotions when contacting with products, from which information can be changed accordingly, product recommendations for pretty good for next purchases
     + Transaction Processing: Automatic payments are based on the invoice amount and the previously linked bank account.