intelligent boutique

Simulated boutique

The intelligent boutique is added new features to provide better services for the customers than the traditional boutique. It can update the price automatically, easily monitor the database with GUI and have convenient fitting room for customers. Besides, it is also equipped with fire detection and burglary resistance system. It solves the problems of the traditional boutique: needing a lot of manpower, manually adjusting the price and the take-in amount and lack of safety and security system.

The entire boutique is divided into 3 subsystems: management subsystem, security subsystem and facility subsystem.

Management subsystem contains three features. Updating price and take-in amount intelligently is crucial for managing the boutique and we pre-set a rule for it to follow. In the customer purchasing process, it uses RFID to scanning the clothing and LCD to display the price of each clothing purchased as well as the total price. After that, the customer can slide their credit card to buy the clothing between the IR sensors as cashier machine. GUI is a powerful tool in this subsystem to monitor the database and furthermore to change the price.

Security subsystem consists of two parts: one is for fire detection and the other is for burglary resistance. When the temperature in the boutique goes high, the buzzer will alarm, the E-light turns on and all the doors will open. It tells customers of the dangerous situation they are in and urges them to exit the boutique as soon as possible. And the manager will dial the emergency number immediately to deal with the fire. The customers are not allowed to take unpaid clothing out of the boutique. If they do so, especially on purpose, the buzzer will ring and they have to be responsible for the consequence.

Facility subsystem is in charge of the entrance door and also the fitting room. All the doors are auto. But the improvement of the fitting room gives convenient for the customers. The fitting room door will only open when nobody in it if another customer comes. Of course the light in the room will be automatically switched on.

In short, intelligent boutique provides high intelligence to service the customers.