# 6. Ted Shop system

Ted shop system is used for selling products that are imported from oversea. There are three kinds of people using it: Manager, staff, and customer.

* Manager uses it to register information of product types, products, and staffs, and print summary report.
* Staff uses it to import, and deliver products.
* Customer uses it to order products.

Staff information contains staff ID (unique and generated by the system), name, address, phone, kind of staff (staff or manager), and a bank account.

Product type information contains product type ID (unique and generated by the system), and product type name. Product information contains product ID (unique and generated by the system), product name, description, produce country, product type ID, price, sell price (normally 20% higher than price), use guide, and quantity.

Summary report for a specified period (from start date to end date) is the list of sold product with quantity, price, and selling price, and total benefit amount during that period.

Importing information contains staff ID, import date, and imported products. Quantity of these products will be added to the quantity of the shop automatically.

Order information contains order ID (unique and generated by the system), customer name, customer address, customer phone, order date, and ordered products.

Staff will deliver products to customer and deliver date will be registered. Quantity of these products will be subtracted from the shop automatically.

The following table shows a (partial) list of system operations.

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| --- | --- | --- |
| **Operation** | **Performed by** | **Description** |
| Register staffs | Manager | Perform registering information of staffs. |
| Register product types, products | Manager | Perform registering information of product types, and products. |
| Import products | Staff | Perform importing products. |
| Order products | Customer | Perform ordering products. |
| Deliver products | Staff | Perform delivering products. |
| Print summary report for a specified period | Manager | Display the list of sold products with price, sold price, quantity, and total benefit amount. |

Fig. 1 The part of Database as below.

