The actual retail price must be set in advance, and it cannot be charged in the middle of the specified period.

Do cửa hàng tự thống nhất hay là nhập khoảng thời gian cho giá cảu sản phẩm.

**Business Constrains:**

Customer who have become point service members are issued point cards, which bear bar codes indicating their member numbers, and when they purchase products with cash, they are awarded points based on the amount of their purchase.

The awarded points become valid for use the following day, and can be used by the member who accrued the points in place of cash when making a purchase. Points can be used in all stores.

The member the either pays with cash, points, or a combination of the two, and the sales data, including the number of points earned and the number of points used, is recorded.

When the points are used, the number of points used is immediately subtracted from the number of points accrued by the member.

The actual retail price must be set in advance, and it cannot be charged in the middle of the specified period.

**Technical Constrains:**

Products sold at stores have bar codes attached which indicate the product codes. These bar codes can be read with bar code readers of POS terminals?

Since no bar code reader, user can enter these codes by using computer keyboard.

The system consists of a head office server, located at the head office, and the POS terminals placed at store cashiers.

The head office server and the POS terminals are connected to each other via a network.

System will use SQL Server Database.

Both the head office server and the POS terminals are equipped with a Database, and both the head office server Database and the POS terminal Database can be accessed during the sales operation.

The statistical analysis of the sales records is performed using the sales data stored at the head office server.

**High level functional requirements:**

Manage Points

Manage Customers

* Create new Customer Information
* Search Customer Information
* Update Customer Information
* View Customer List
* View Customer Detail Information

Manage Products

* Create new Product Information
* Search Product Information
* Update Customer Information
* View Customer List
* View Customer Detail Information

Manage Bills

**Mange Product Type**: Products are classified into product types such as food, general merchandise, etc. Not all stores carry every product type, and the range of product types carried is designated for each store.

**Manage System**: Everyday, in the morning before business hour starts, the system executes a batch process which post-processes the sales operations from previous day, and prepares for the daily sales operations.

Statistical analysis on the sales records

**Quality Attributes:**

Performance

Availability

Toàn vẹn (dữ liệu)

Security (mã hóa) xác thực, phân quyền

QA ranking theo

Tầm quan trọng theo quan điểm stackholder

Mức độ khó thực hiện ( khó thì giải quyết trc)

Câu 2: process, milestone, time release