

2、System Analysis



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The system contains 2 subsystems:

1. Employee system:

Employee can use their account to log in and do operations to the system.

1) Manager system:

- Can get report from database and show it;
- Can increase and decrease inventory;
- Can scan barcode and QR code and give change;
- Can register VIP information;
- Can get operation records;
- Can change employee information;
- Can pay salary;
- Can change financial data;
- Can print VIP card;

2) Cashier system:

- Can scan barcode and QR code and give change;
- Can type code and phone number;
- Can check VIP data from VIP list;
- Can increase sales and profit in financial list;
- Can print receipt;
- Can decrease inventory;

3) Supercargo system:

- Can scan barcode;
- Can check overdue information;
- Can decrease inventory;

2. Database system:

Can generate daily and monthly report;

Can only get information by manager;

The data can be changed by manager

1) Merchandise list

- Store product type, inventory, produce time and shelf life;
- The inventory can be decreased by cashier and supercargo;
- Can show overdue information to supercargo;

2) Financial list

- Store product types and their sales and profit;
- The sales and profit can be increased by cashier;

3) Employee list

- Store name, ID, position, salary and bank account;

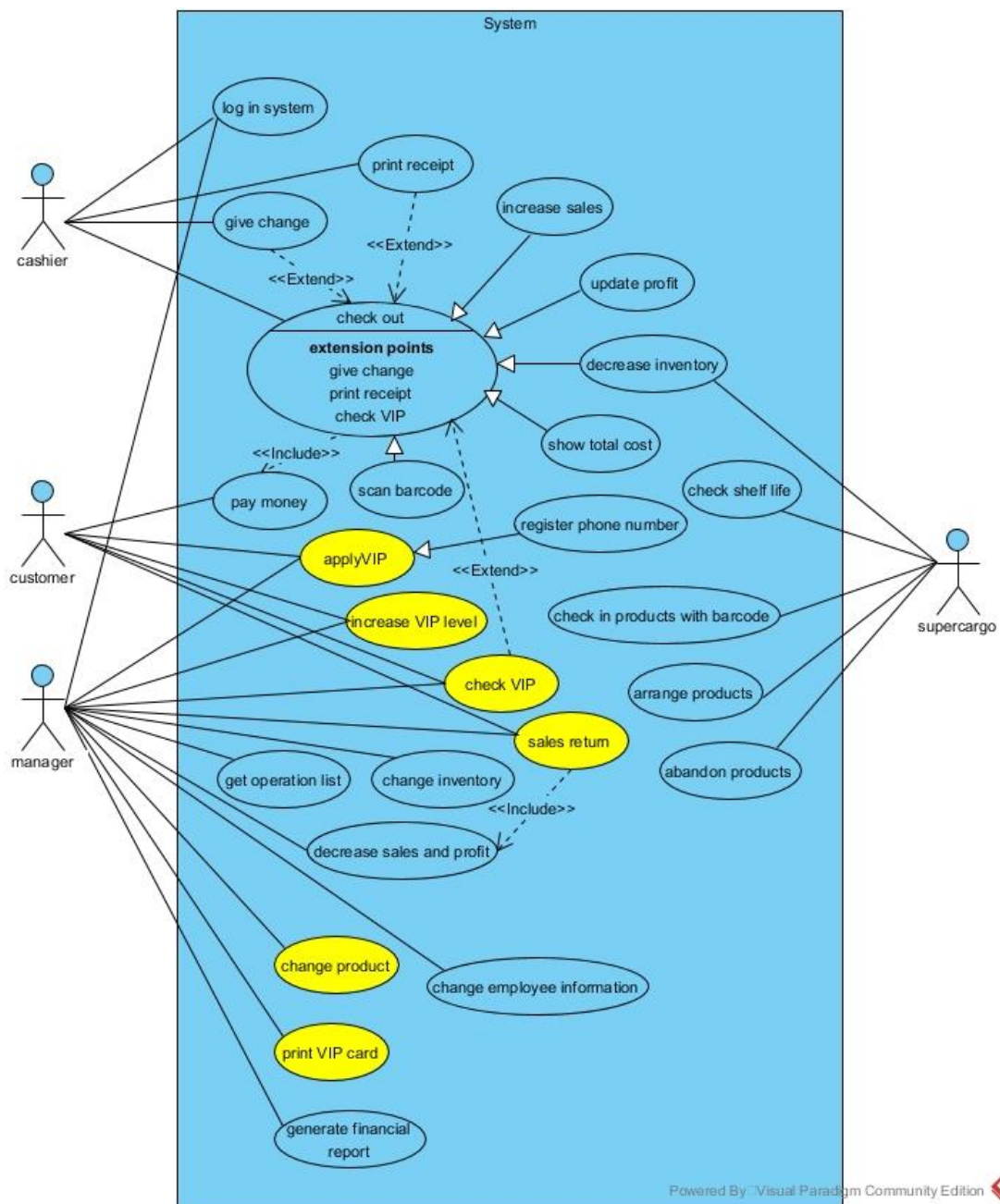
4) Operation list

- Store operation time, name, ID, the data changed;
- Record every operation to database;

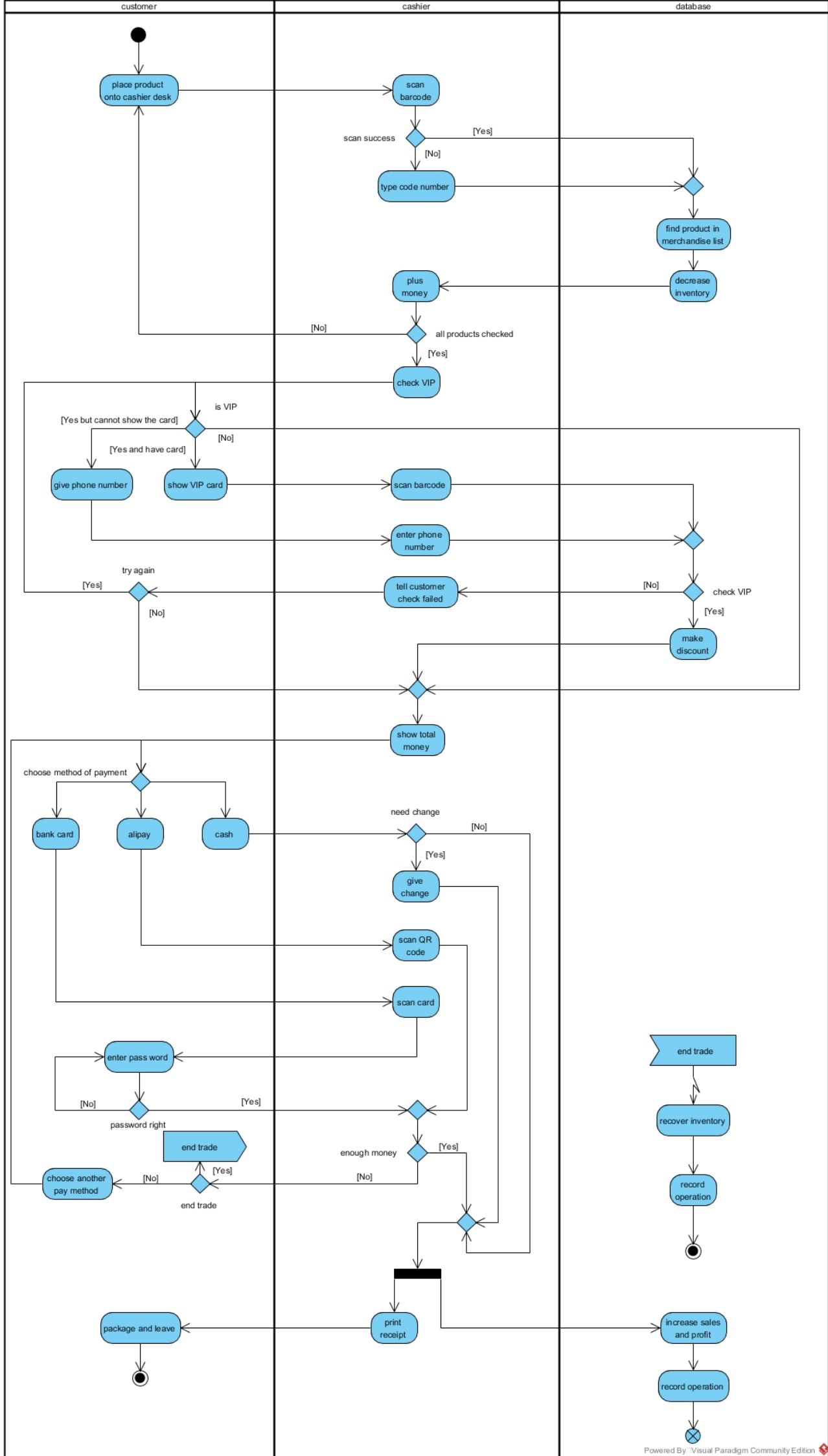
5) VIP list

- Store name, VIP level and phone number.

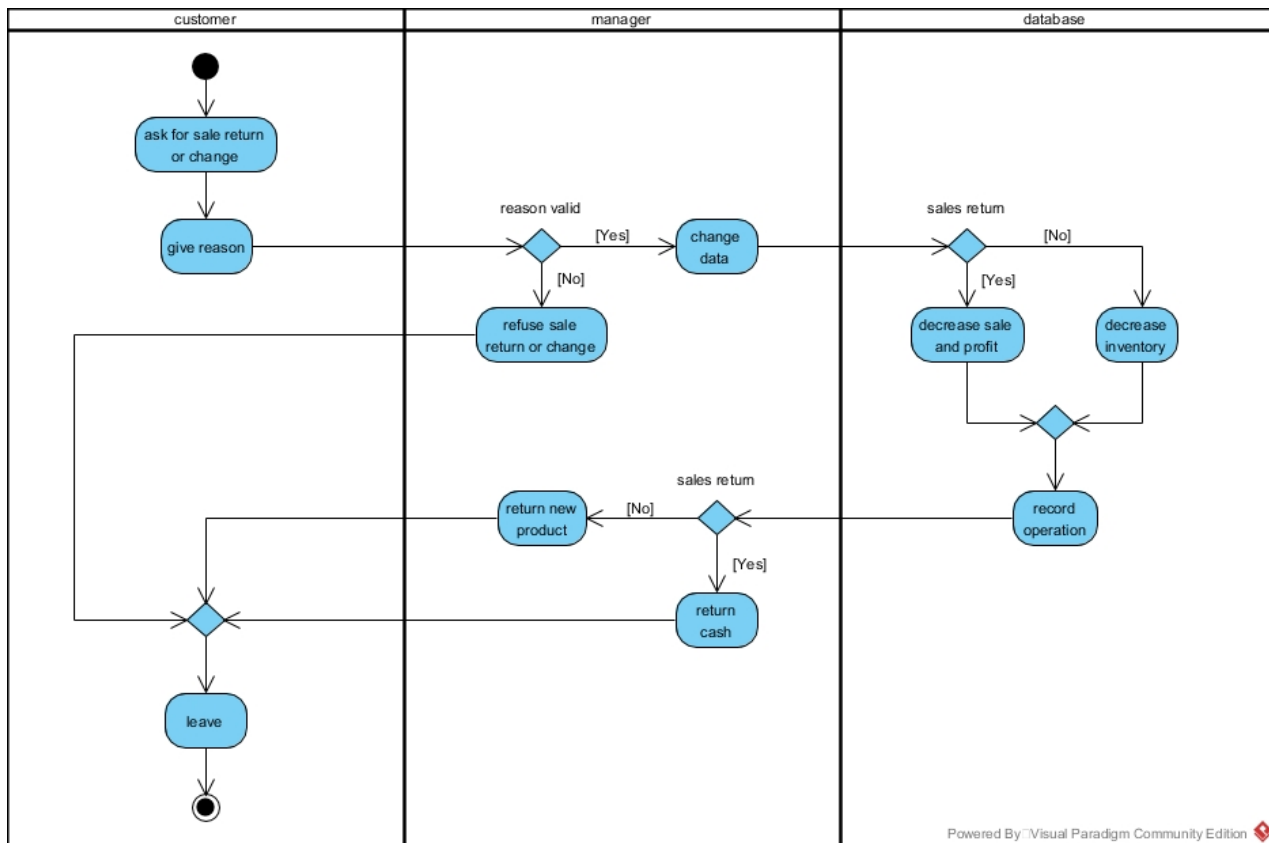
3、Usecase



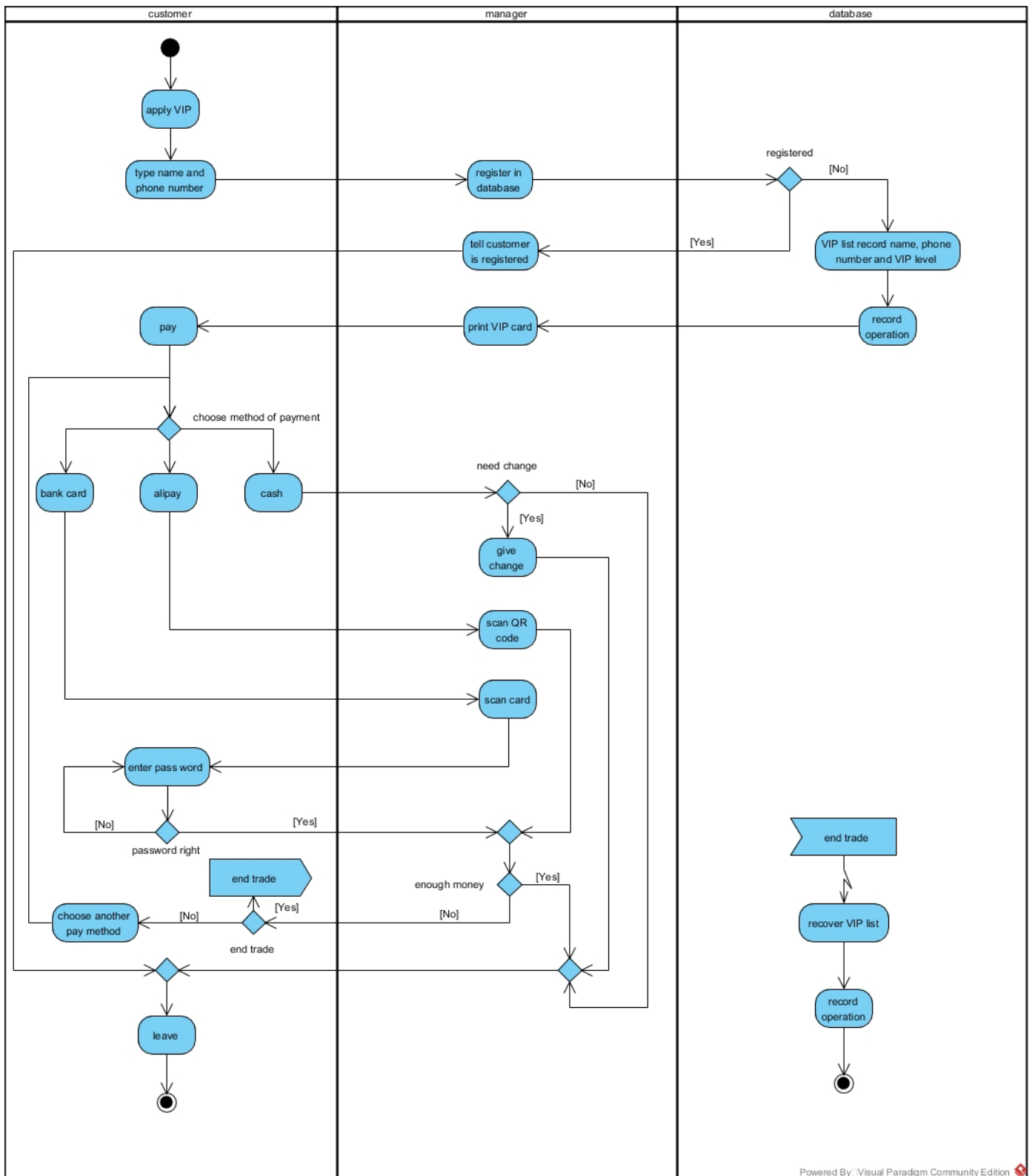
Check Out:



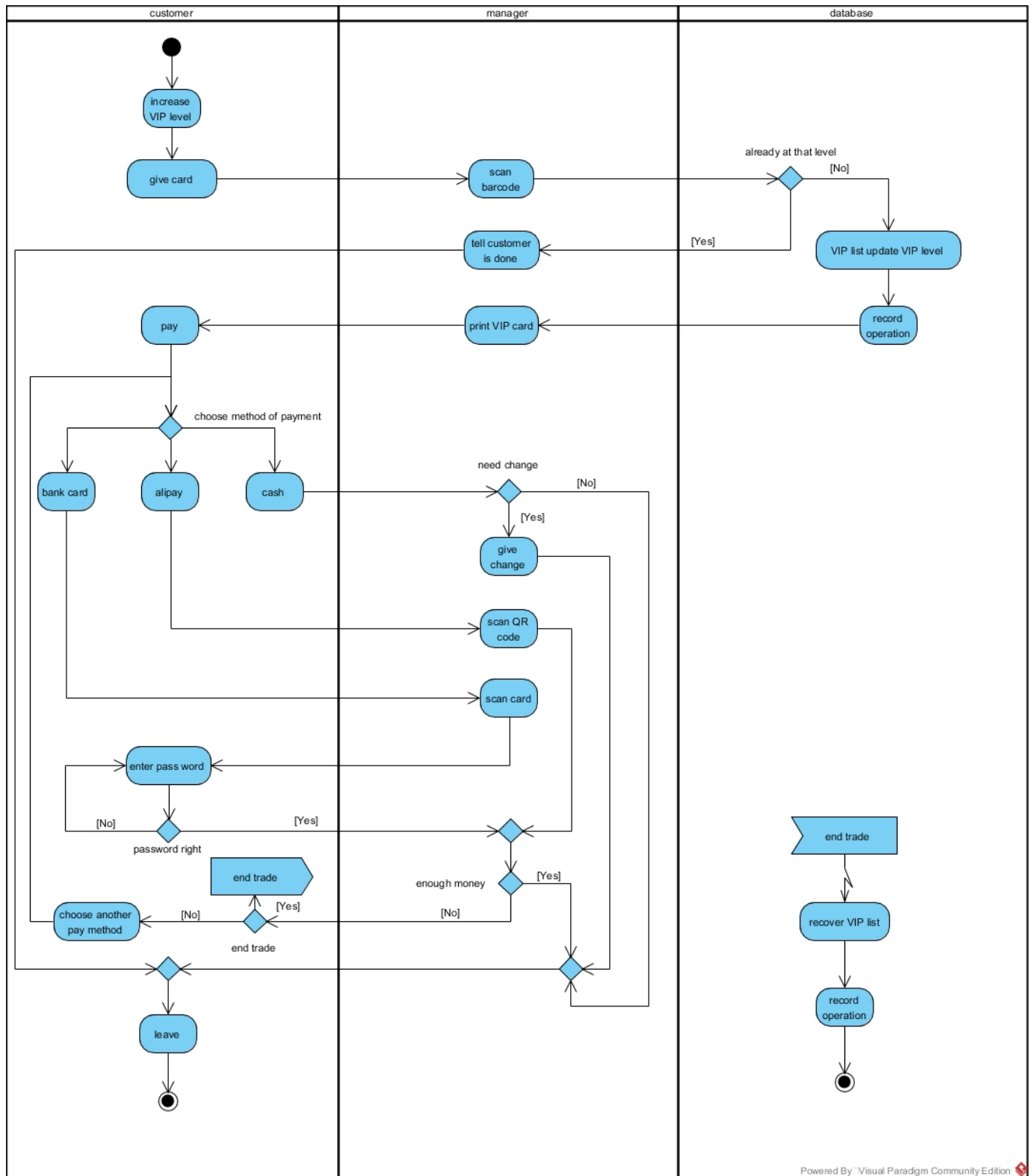
Sales return or change:



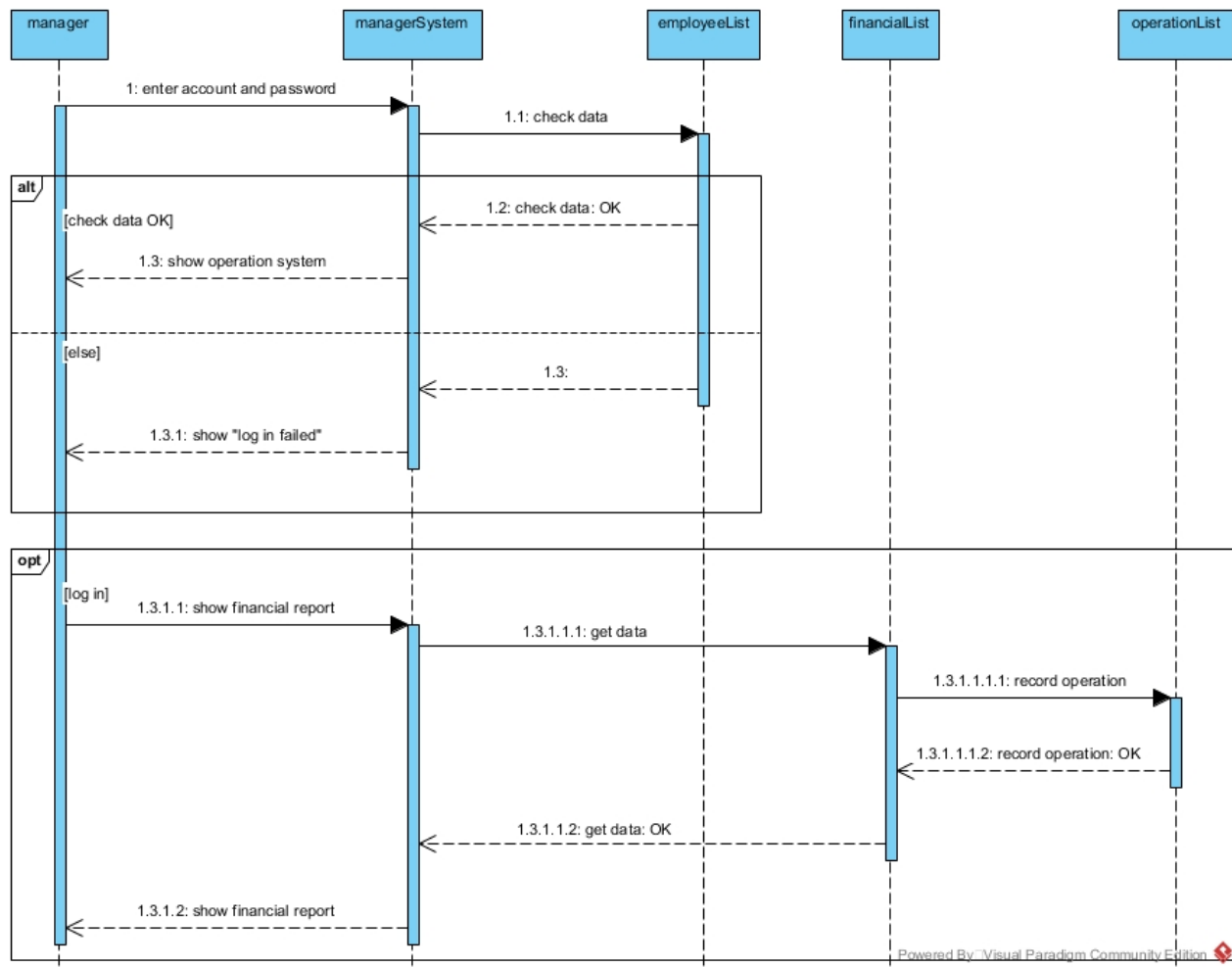
Apply VIP:



Increase VIP level



Generate Report:



Requirement prioritization:

1. Products check in and check out, payment, receipt print, database, merchandise list, abandon overdue products;
Because we can basically realize the trade if we have these implements.
2. Financial data, employee list, manager manage database;
These implements are for financial use;
3. Operation list;
This is for responsibility;
4. Return or change products;
5. VIP system.

System iteration plan:

1. 4/22 Initial planning and requirement;
2. 5/4 First design and implement products check in and check out, payment, receipt print, database, merchandise list, abandon overdue products, financial data, employee list, manager manage database, operation list;
3. 5/8 First testing and second planning, requirement;
4. 5/15 refine first design, then design and implement return or change products and VIP system;
5. 5/17 second testing.
6. 5/20 final refine design and implement