# Personal tasks in the first week:

## The perspective of bank management system

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GitHub Repository:     https://github.com/OOPClassTeamMing/OOPClassRepository.git

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Overview: The way our group works is that each person is responsible for a part, and then when we finish, the sum is a whole part, the following is my personal division of labor.

Secondly we to analyze from the Angle of bank workers.In addition to the user permissions, bank ATM system administrator should also have the following rights: the user account password's force change, query the user's account according to user's information, query the user's transaction information, for violations of the user account to account closed and open, etc.

1. Force change of the user password

The force changes of account password which is in even don't under the premise of the user account password can modify the password and, of course, the premise is to provide effective evidence to prove that the

user account belongs all belong to himself.This is mainly aimed at the user forget his account password, and then can provide reasonable evidence to prove that the account belongs to himself.

2. Account Information

According to user's information on the account information to the appropriate management services, mainly for forgetting his account, but can provide detailed information of the user, convenient to the back or correct your account information.Both of these features is to report the loss of processing, to avoid some users because of the forgotten username or password and cause unnecessary trouble.

3. Trading information

In view of the withdrawals and transfers information, the administrator should be able to observe the date of the deal, the specific point of time, amount, transfer out of the account and transferred to the account.This function can be convenient administrator real-time know how much money it left, ATM machine system is easy to update the ATM deposits,and prevent cash intermittent inconvenience to users.

4. Illegal user account closed and restart

Banks offer a variety of services, but cannot accurately know his integrity services by the users.Therefore in the banking system when

providing services at the same time, also should have corresponding data evidence and operation permissions.If discover some users of illegal behaviors can forcibly close the account and for legal and reasonable explanation of evidence, and open the account at the end of things to deal with heavy.

ATM design reasonable should start from two aspects of the use and management, considering the function of user convenient use and operation of the bank swift, we also want to simple thinking in the process of bank manager in the management of ATM.

## 2.2 Operation requirements

Design is the foundation, of course,but the ATM can run normally, put into use is the ultimate goal of the whole project design and the important link.ATM machine in the running process including the output, the user needs input system, system internal data processing, etc.Inserts the input from the user account password to the service, as shown in figure 1.1

## 2.3 Input requirements

1. Users must use ATM legitimately, with no disruptive behavior. And can provides complete correct operation according to the input device and

interface of ATM.

2. The contents of the user input from the input equipment is convenient, with purpose.

## 2.4 Output requirements

1.Ask for ATM machine can quickly respond to the functional requirement of the depositors.

2.Ask for ATM machine display interface is clear and concise, and provide a variety of languages, making it easy for users to make decision and input operations.

3.Ask for ATM can print out the customer need fast and accurate .

## 2.5 Other requirements

1. Availability

This case system is on the basis of the detailed planning which can be implemented through the corresponding programming and put into use In the process of actual use, it has simple and convenient operation, high efficiency, and can achieve the desired effect, users and the dual banking system.

2.Security

Security is higher, because the software running in the database is vertually certain, so the parameter change is not easy to be wrong, damage.And damage will not affect the source program, one thousand

parameters to ensure the safety of the user data.ATM machines give an accurate and real-time monitoring and control system running and is accompanied by the alarm system.

3. Maintainability

Due to the use of database programming, the system structure is determined by basic program.A large number of parameters and the content of the text stored in the database.Modifications to the system only need to update the database when the corresponding contents, namely, update the database as long as the changes in database and don't need to modify the system structure, this system maintenance upgrade extremely is all convenient.

4. Compatibility

Suitable for Windows 95, Windows 98, Windows xp, Windows sp2 and above the operating system、 database：SQL SERVER 2000

Reference material：

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