Chapter 1 Introduction of ATM

薛众坡

Zhejiang Normal University

295938803@qq.com

201532120125

object-oriented analysis and design introduction

For the aim of the class , in order to clear the user demand for ATM system, and give better details for ATM software's revising and improving on the basis of full understanding of ATM system software . And give some significance suggestions, to make the demand for software users and developers achieve a mutual understanding and satisfaction on both sides, and as a foundation for the optimization of the whole banking software system.

Key Words:ATM requirement introduction analyse

1.1 Writing Purpose

This report document further customize the details of software development, make software requirements clearly and carried on the concrete analysis, the organization's software development and testing, making it easy for users to coordinate work in parallel with the developers.After giving the bank ATM system projects a detailed investigation and study, we make a original system implementation report, to analyze the problem and its solution in demand which would happen to software development .

The development of this project is to provide a set of efficient and reliable terminal services platform for the bank.Provide convenience   for depositors the login, deposits, withdrawals, query, print slip or other operation, especially in the case of ATM machine malfunction, it provides the function of fault recovery.

Hope that through the writing of this report, the student can learn more about the actual case of programming and database applications, will learn the theory of knowledge applied to practical life, and consolidate learning to in the process of application of theoretical knowledge, deepen the understanding and mastering recognition, facilitate future better learning other knowledge, optimizing the self, improve self.

1.2　Background

Project name: Bank ATM System

Banking system is a institutions which closely related to life . Banks provide deposits, withdrawals, transfers and other business, the business is closely related to People's daily lives.People set up account in the bank or institution is usually called bank depositors.A depositor can open multiple accounts at the bank, can also save money to the account, it can also get cash from their accounts, or deposit from one account to another account.Depositors can also check your account at any time, and query before deposits and withdrawals by trading records, etc.Administrators can do cancellation to the depositors account, delete, query and other management, and also exchange rate, bank

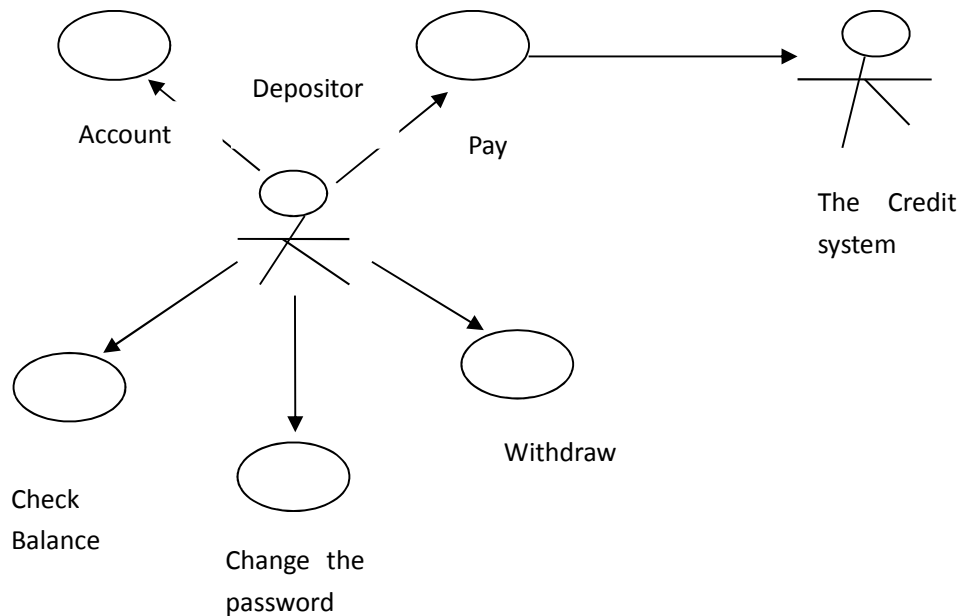charges such as parameter setting, and financial management and financial analysis.

Depositor

Account

Pay

The Credit system

Check Balance

Change the password

Withdraw

Figure 1.1 Banking system schematic diagram

However, with the increase of population of the banking business and customer , the bank's workload and work pressure have also been increased.To alleviate this problem, a kind of application in the development of computer and programming terminal services arises at the historic moment —— ATM system.

Chapter2 Demand Analysis Report

2.1The functional requirements

ATM software respectively have login , deposits, withdrawals, query, transfer, change passwords, account details inquiry, exit and other function.
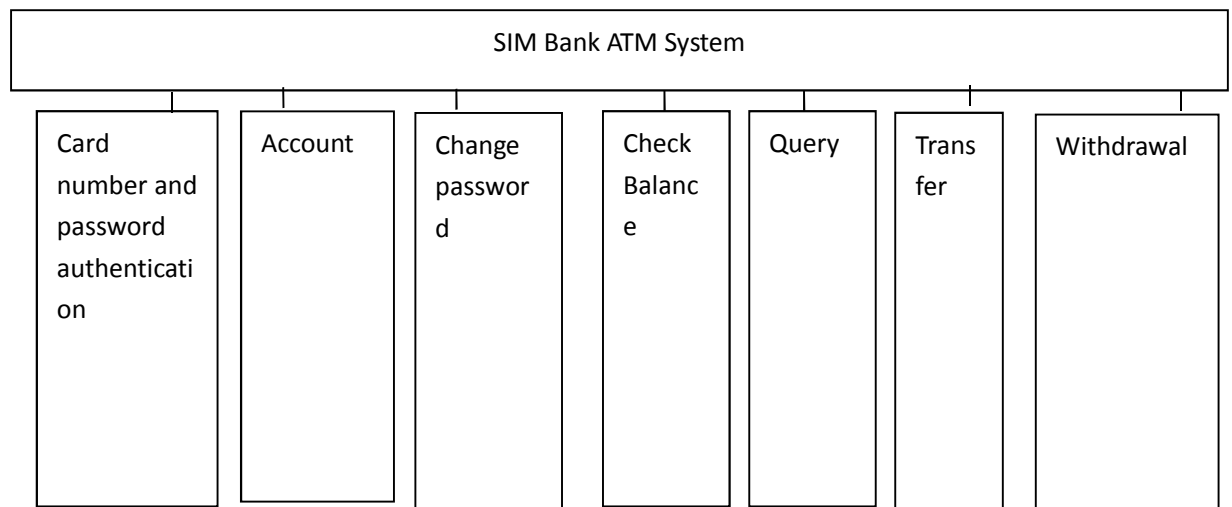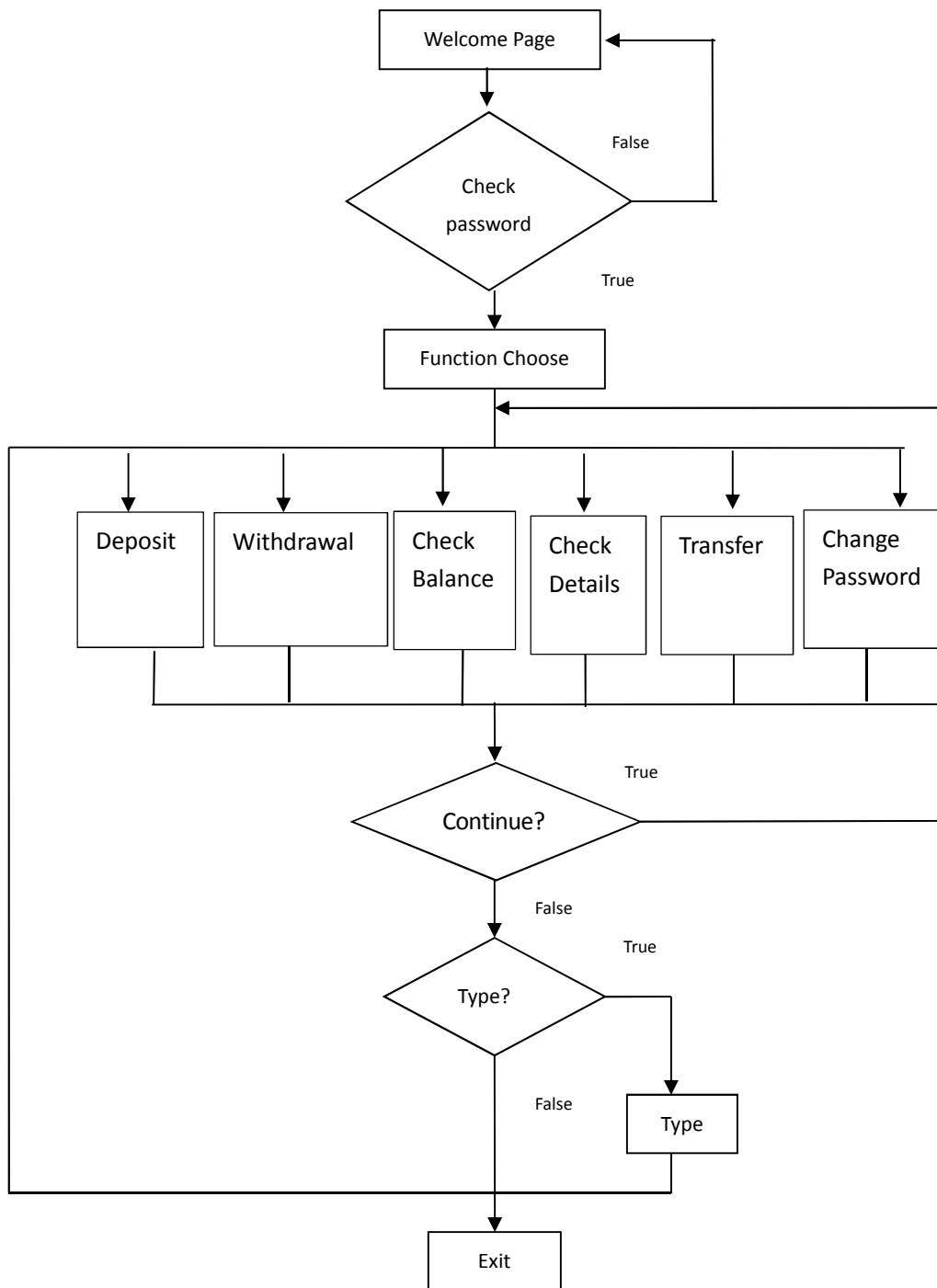
SIM Bank ATM System						
Card number and password authentication	Account	Change password	Check Balance	Query	Transfer	Withdrawal

Figure 2.1 The basic ATM function

We often design each functional in different module, different modules have different features and functions, finally to complete the respective function.Each module of the data are stored in a database, and to form a whole.Data calls and connection have to complete the program.ATM terminals through user input nine card number and six corresponding password, after verification, accurate after can undertake all kinds of interaction with the system, such as: query, deposits, withdrawals, transfers and detailed query, print, slip, etc.;System according to the corresponding terminal server user input processing customer requirements, perform the corresponding operation, for customer service.To be on the safe side, ATM system requirements must maintain a certain period of time of transaction records, the system shall be automatically collect all kinds of every trading day with the server data reconciliation.At the same time, the communication failure or other trading results under the condition of uncertainty, the ATM will automatically initiate are trading and to ensure the integrity of the accounting.

Because ATM service system can be briefly as a deal in two directions, the user and the bank system, so the analytical ATM need to achieve the basic functions, want to consider, from two aspects: one is the user's interests, the second is the interests of the bank management system.

ATM users' basic flow is as follows:

Reference:

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