

ONLINE BANKING SYSTEM

SUPERVISOR : DR. DAW KHIN MAR SOE

CO-SUPERVISOR: DAW KAY ZIN LIN

PRESENTED BY : GROUP 2(2ND BATCH)

GROUP MEMBERS

Name

RollNo

Ma Hnin Thiri Chaw

LTJV-03

Ma Khaing Yee Mon Tun

LTJV-08

Ma Aye Thinzar Myint

LTJV-09

Ma Zin Win Thant

LTJV-11

Mg Zayya Phyo

LTJV-12

Ma Su Mon Mon

LTJV-16

Ma Nway Mon Naing

LTJV-21

Ma Chan Myae Hlaing

LTJV-23

Ma May Phyo Thwal

LTJV-26

Ma Khin Htay Kyi

LTJV-27

Ma Phyu Phyu Tar

LTJV-38

Introduction

- ❑ Online banking was introduced in a basic form during the early 1980s.
- ❑ It can provide a more efficient way of managing customers' bank accounts and financial life.
- ❑ Customers can access the information anytime, anywhere that he or she has access to the Internet.
- ❑ That's why, the usage of online banking system has exponentially risen from 0.4 million to 17.2 million.
- ❑ After changing to market oriented economy in Myanmar in 1989, various kinds of companies have been emerging to perform their commerce such as manufacturing, banking, tourism, construction and so on.
- ❑ To fulfill it, most manual banking systems has been performing.
- ❑ But it takes time and not convenient for customers. Processing speed is also slow.
- ❑ That's why, our online banking system will provide the customers with the motto **"Anytime , Anywhere for Customers"**.
- ❑ Services for customers will be available with only a few key strokes 24 hours everyday.

Advantages of Online Banking System

Using the online banking system , users and bankers can get the following advantages:

- ❑ Need less human workers
- ❑ User friendly
- ❑ Time saving
- ❑ Less effort
- ❑ More accurate
- ❑ Less documentation
- ❑ More convenience
- ❑ Ease of access
- ❑ Location transparency
- ❑ Can access from any place at any time if users need to have only the Internet connection.

Software Requirement of Online Banking System

Bank side

- ❑ Apache Tomcat
- ❑ JDK 1.5 or later
- ❑ Eclipse
- ❑ J2EE struts framework 1.3
- ❑ Microsoft SQL Server.

client side

- ❑ Internet Explorer or Mozilla browser
- ❑ LAN connection only need.

Hardware Requirement of Online Banking System

Bank side

- ❑ RAM 1G
- ❑ Pentium 4 processors
- ❑ Window 2000 or later
- ❑ 2GB of hard disk space at least

client side

- ❑ platform independent
- ❑ Internet connection

Figure: UseCase Diagram for Overview of the Banking System



Functional Requirement

Requirement1(Create Account)

Input : Once user enter the sign up link

Output : Display Sign up page to collect user information

Detail includes : CustomerID, Password, NRC, AccountType, Occupation, Gender, Email ,
Address , PhoneNo , Balance

Requirement2(Sign In)

Input : User enter account number and password

Output : Display home page which contains Deposit , Withdraw, Transfer service ,
DeleteAccount link

Requirement2.1(Deposit)

Input : After account number and password validation , user click the Deposit link

Output : Display Deposit page

Detail include : Account no, CustID , AccountType , DepositDate, Balance

Requirement2.2(Withdraw)

Input : After account number and password validation, user click the withdraw link

Output : Display Withdraw page

Detail include : Accountno, CustID, Account Type, WithdrawDate, Balance

Con't

Requirement2.3(Transfer)

Input: After account number and password validation, user click the Transfer Link

Output: Display Transfer page

Detail include: FromAccountno, From Account Password, ToAccountNo2, TransferAmount

Requirement2.4(Delete)

Input : When the user click the DeleteAccount link

Output : Display Delete Account page

Detail include: Account no, password

Requirement2.4.1

Input: When the user click the delete button to delete account

Output: Show confirm dialog box to delete Account

Detail include: yes ,no button to confirm delete.

Requirement:3(Admin Log In)

Input : When the admin enter the system from the admin link on the homepage

Output : Display Admin Sign in page

Detail include: AdminID , AdminPassword , Rank

Con't

Requirement:3.1

Input :After admin account validation

Output : Display Admin home page which contains createRole, showDepositInfo, showWithdrawInfo , showTransferInfo , showDeleteInfo, showDailyTransaction, showStaffInfo Links

Requirement:3.2 (Create Role)

Input : when the admin click the createRole link

Output : Display createRole page

Detail include : StaffID, StaffName,NRC, Password, department, Occupation, Rank Salary, Phoneno, Email ,Address

Requirement:3.3(Check Deposit Information)

Input : when the admin click the showDepositInfo link

Output : Display showDepositInfo page

Detail include : AccountNo , CustomerID, Account Type, DepositDate, Balance

Requirement:3.4(Check Withdraw Information)

Input : when the admin click the showWithdrawInfo link

Output : Display showWithdrawInfo page

Detail include : AccountNo , CustomerID , Account Type, WithdrawDate , Balance

Con't

Requirement:3.5(Check Transfer Information)

Input : when the admin click the showTransferInfo link

Output : Display showTransferInfo page

Detail include : AccountNo , CustomerID, Account Type, TransferDate, Balance

Requirement:3.6(Check Delete Information)

Input : when the admin click the showDeleteInfo link

Output : Display showDeleteInfo page

Detail include : AccountNo , CustomerID,DeleteDate

Requirement:3.7(Check Daily Transaction Information)

Input : when the admin click the showDailyTransactionInfo link

Output : Display showDailyTransactionInfo page according to date from the textbox

Detail include : Date, totalDepositTime, totalWithdrawTime, totalTransferTime,
totalDepositAmount, totalWithdrawAmount, totalTransferAmount
totalDeleteAccount

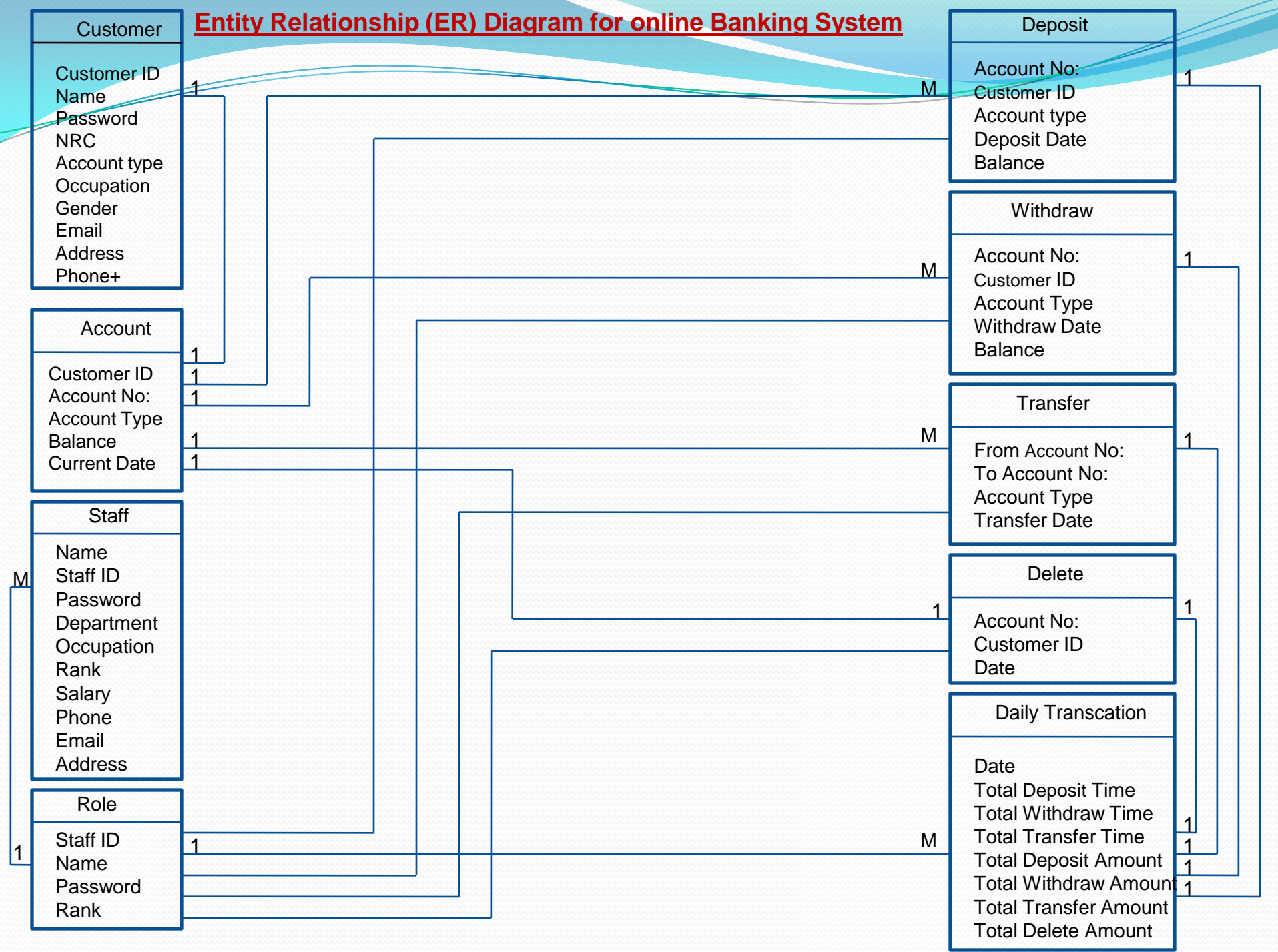
Requirement:3.8(Check Staff Information)

Input : when the admin click the showStaffInfo link

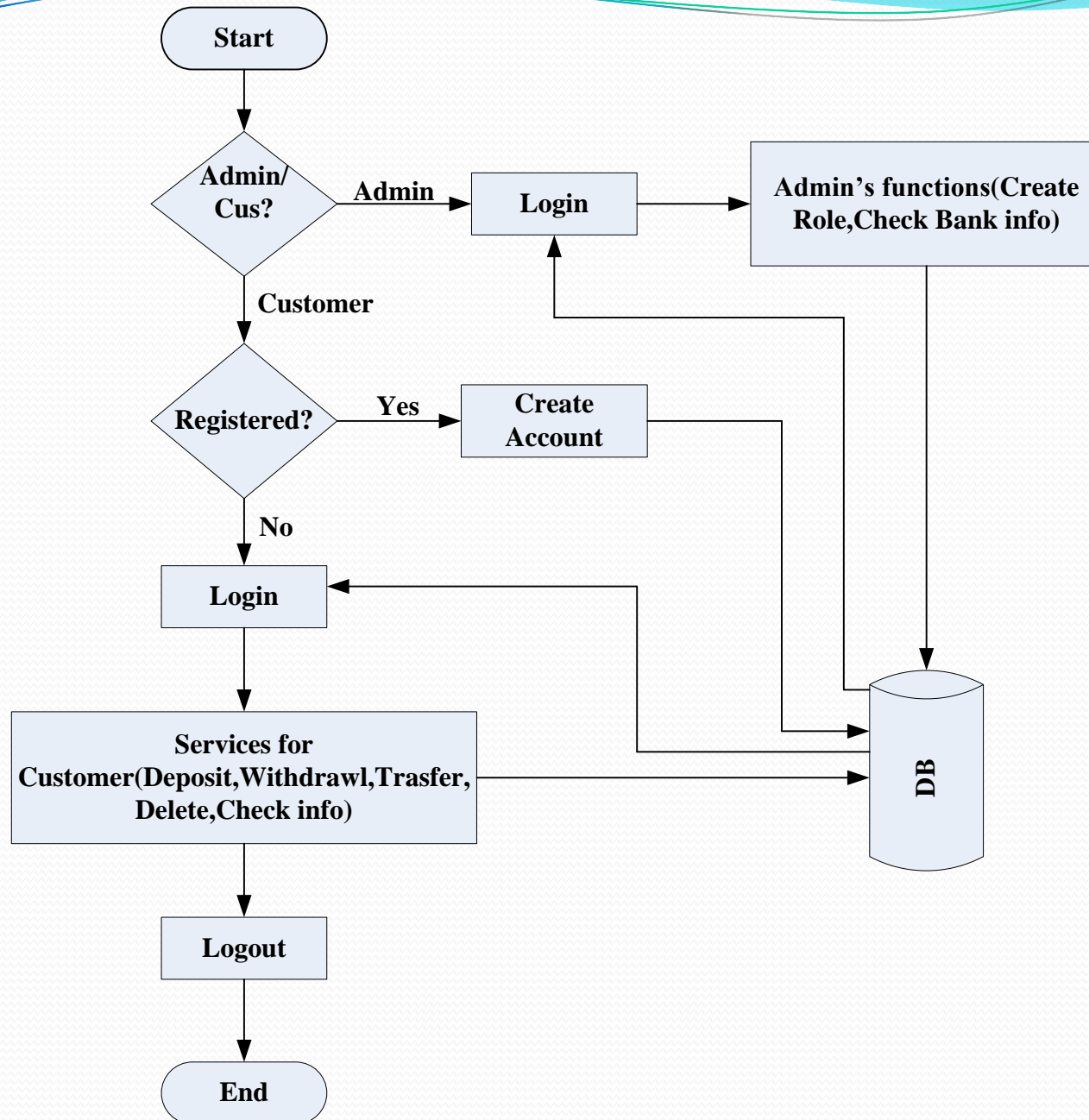
Output : Display showStaffInfo page

Detail includes : StaffName , StaffID , Password ,NRC,Department , Occupation , Rank ,
Salary, Phone ,Email

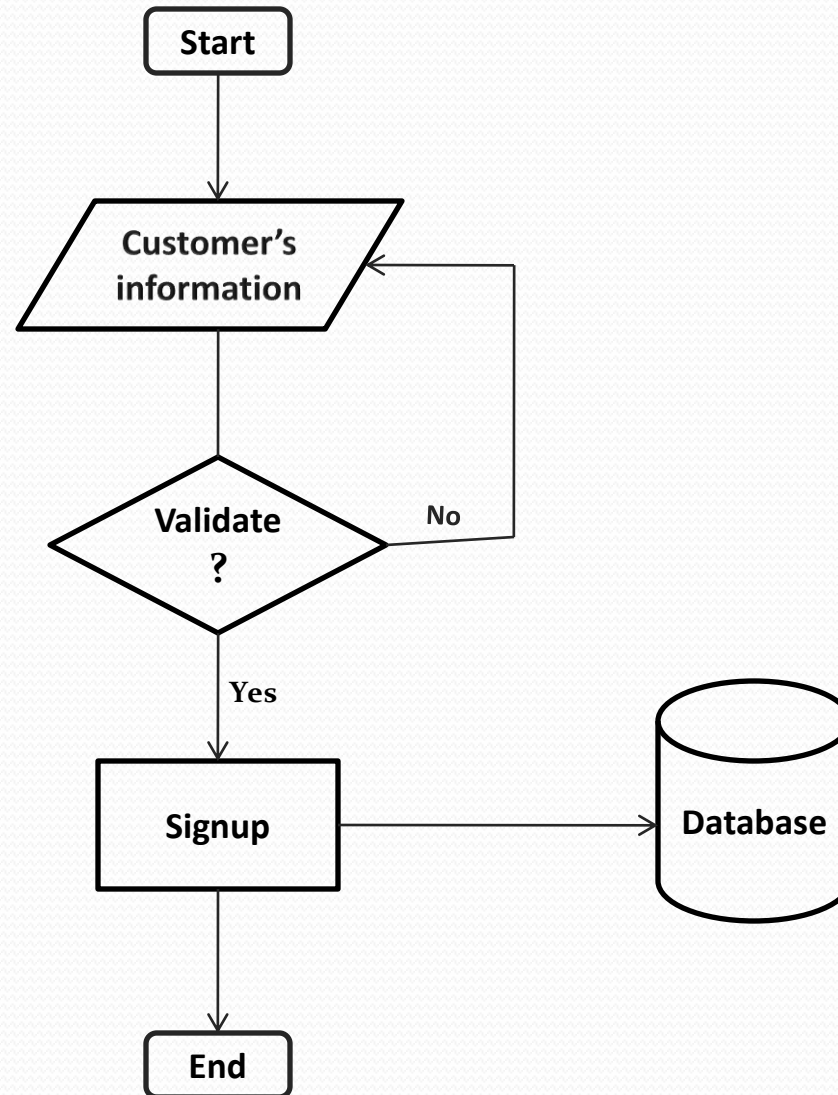
Entity Relationship (ER) Diagram for online Banking System



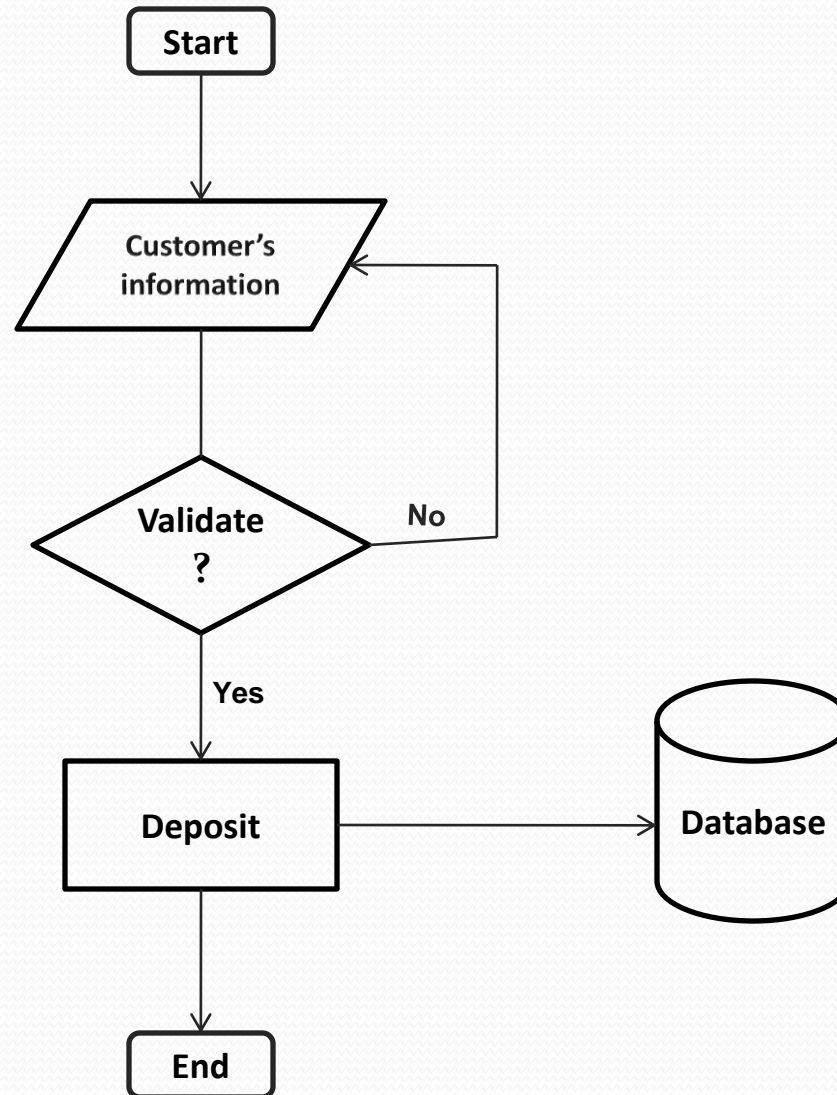
System Flow Diagram for Online Banking System



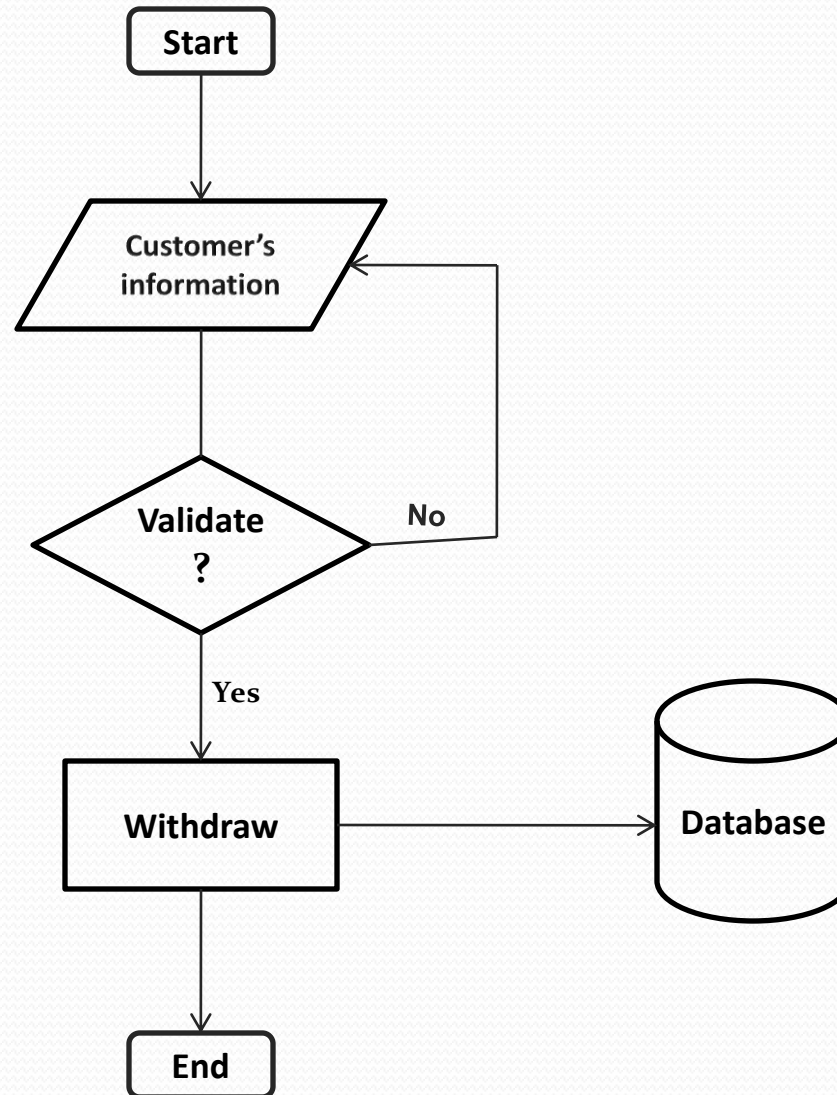
System Flow Diagram For Signup



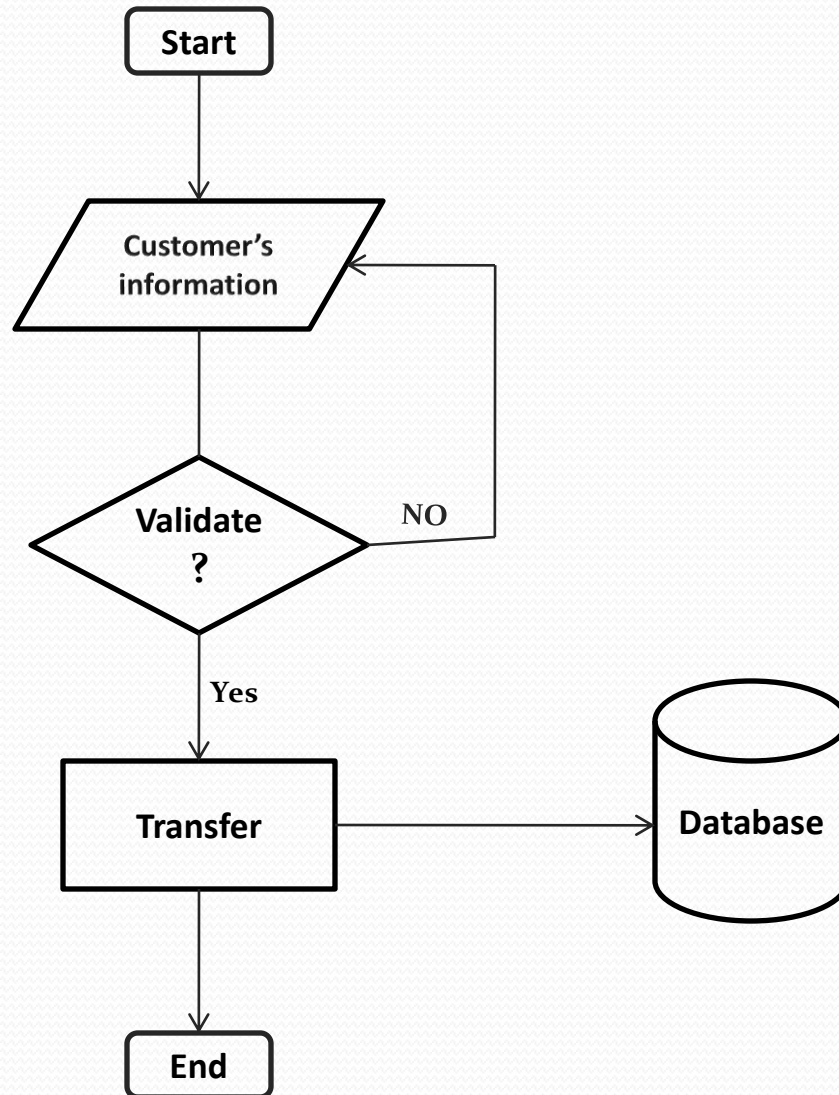
System Flow Diagram For Deposit



System Flow Diagram For Withdraw



System Flow Diagram For Transfer



You'll get
3% cash back on
your billsNo fees
€0
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Welcome to our Internet Banking service.

Login Account

Accountno: Password:

You must have an account with us to use this system. If you have an account and would like to sign up, This Internet Banking System brings together a combination of industry-approved security technologies to protect data for the bank and for you, our customer. It features password-controlled system entry, a VeriSign-issued Digital ID for the bank's server, Secure Sockets Layer (SSL) protocol for data encryption, and a router loaded with a firewall to regulate the inflow and outflow of server traffic. Secure Access and Verifying User Authenticity To begin a session with the bank's server the user must key in a Log-in ID and a password. Our system, the Internet Banking System, uses a "3 strikes and you're out" lock-out mechanism to deter users from repeated login attempts. After three unsuccessful login attempts, the system locks the user out, requiring either a designated wait period or a phone call to the bank to verify the password before re-entry into the system. Upon successful login, the Digital ID from VeriSign, the experts in digital identification certificates, authenticates the user's identity and establishes a secure session with that visitor. Secure Data Transfer Once the server session is established, the user and the server are in a secured environment. Because the server has been certified as a 128-bit secure server by VeriSign, data traveling between the user and the server is encrypted with Secure Sockets Layer (SSL) protocol. With SSL, data that travels between the bank and customer is encrypted and can only be decrypted with the public and private key pair. In short, the bank's server issues a public key to the end user's browser and creates a temporary private key. These two keys are the only combination possible for that session. When the session is complete, the keys expire and the whole process starts over when a new end user makes a server session.

If you have not account Please [CreateAccount](#) here



WITH BARCLAYS OPPORTUNITY ACCOUNT
WHATEVER YOU DO, YOU'LL BE WINNING

You'll get
3% cash back on
your bills

No fees
€0
in the account.

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Name:

Password:

NRC:

Account Type:

SavingAccount ▾

Occupation:

Gender:

Male: ☐ Female: ☐

Email:

Address:

Phone:

Balance:

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Blue buds reach your economy

Offer valid for new customers

[Home](#)

[Deposit](#)

[WidthDraw](#)

[Transfer](#)

[Delete](#)

Sucessful login



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€0
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Account No:

Customer ID:

Account Type:

SavingAccount ▾

Deposit Date:

Balance:

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Account No:

Customer ID:

Account Type:

SavingAccount ▼

Withdraw Date:

Balance:



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your bills

No fees
€0
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FromAccount No:

ToAccountNo:

Account Type:

SavingAccount ▾

Transfer Date:

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€0
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Account No:

Customer ID:

Date:

Delete

Cancel



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in the account.

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Admin Account

Accountno: Password: Rank: 

Welcome to our Internet Banking service.

You must have an account with us to use this system. If you have an account and would like to sign up, this Internet Banking System brings together a combination of industry-approved security technologies to protect data for the bank and for you, our customer. It features password-controlled system entry; a VeriSign-issued Digital ID for the bank's server; Secure Sockets Layer (SSL) protocol for data encryption, and a router loaded with a firewall to regulate the inflow and outflow of server traffic. Secure Access and Verifying User Authenticity To begin a session with the bank's server the user must key in a Log-in ID and a password. Our system, the Internet Banking System, uses a "3 strikes and you're out" lock-out mechanism to deter users from repeated login attempts. After three unsuccessful login attempts, the system locks the user out, requiring either a designated wait period or a phone call to the bank to verify the password before re-entry into the system. Upon successful login, the Digital ID from VeriSign, the experts in digital identification certificates, authenticates the user's identity and establishes a secure session with that visitor. Secure Data Transfer Once the server session is established, the user and the server are in a secured environment. Because the server has been certified as a 128-bit secure server by VeriSign, data traveling between the user and the server is encrypted with Secure Sockets Layer (SSL) protocol. With SSL, data that travels between the bank and customer is encrypted and can only be decrypted with the public and private key pair. In short, the bank's server issues a public key to the end user's browser and creates a temporary private key. These two keys are the only combination possible for that session. When the session is complete, the keys expire and the whole process starts over when a new end user makes a server session.



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WHATEVER YOU DO, YOU'LL BE WINNING

Increasing Interest
Multitask
3.53% APR
For 5 years and from €3,000

Change of Bank
Mortgage
Euribor + **0.35**
Conditions apply
2.2% APR

[CreateRole](#)
[DepositInfo](#)
[WidthDrawInfo](#)
[TransferInfo](#)
[DeleteInfo](#)
[Daily TransactionInfo](#)
[StaffInfo](#)


Welcome to our Internet Banking service.

*Welcome
Administrator*

You must have an account with us to use this system. If you have an account and would like to sign up, this Internet Banking System brings together a combination of industry-approved security technologies to protect data for the bank and for you, our customer. It features password-controlled system entry, a VeriSign-issued Digital ID for the bank's server, Secure Sockets Layer (SSL) protocol for data encryption, and a router loaded with a firewall to regulate the inflow and outflow of server traffic. Secure Access and Verifying User Authenticity To begin a session with the bank's server the user must key in a Log-in ID and a password. Our system, the Internet Banking System, uses a "3 strikes and you're out" lock-out mechanism to deter users from repeated login attempts. After three unsuccessful login attempts, the system locks the user out, requiring either a designated wait period or a phone call to the bank to verify the password before re-entry into the system. Upon successful login, the Digital ID from VeriSign, the experts in digital identification certificates, authenticates the user's identity and establishes a secure session with that visitor. Secure Data Transfer Once the server session is established, the user and the server are in a secured environment. Because the server has been certified as a 128-bit secure server by VeriSign, data traveling between the user and the server is encrypted with Secure Sockets Layer (SSL) protocol. With SSL, data that travels between the bank and customer is encrypted and can only be decrypted with the public and private key pair. In short, the bank's server issues a public key to the end user's browser and creates a temporary private key. These two keys are the only combination possible for that session. When the session is complete, the keys expire and the whole process starts over when a new end user makes a server session.



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Offer valid for new customers

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Name:

Password:

StaffId

NRC

Department

Occupation:

Rank:

Phone:

Email:

Address:

Balance:

Create

Cancel

Conclusion

- As mentioned above, using Online banking System can get countless advantages.
- Our Online Banking will give the services for customers that have already introduced above.
- And the details steps not only from customer side but also from administrator will be mentioned at the next presentation.

**Thank you
for your attention!!!**