

Anytime Transaction System

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Abstract- *This application is done on the desktop application. The basic idea is to provide secure banking transactions. Secure means providing biometric finger print technology. In this project we are going to deal with the facts in the bank i.e , the transactions which takes place between customer and bank. It is not the real time project it's the solution to the existing system.*

The entire transaction activities takes place in an easier way, the registered user can withdraw money, check balance and save it in wallet and also can transfer the money to the other registered user. This application is much secured and user friendly.

Keywords- Transactions, customers, bank, applications, secured

I. INTRODUCTION

This application is bank application which is used to handle the transaction procedure between user and bank. It is mainly based on the ATM finger print transaction along with atm card, the reason to use biometric fingerprint transaction to provide extra security to the current system. The application has a simple procedure and simple user interfaces. The user can perform the transactions such as cash deposit , cash withdrawal, balance enquiry and fund transfer.

The main objective of the project to help the user to go cardless through this application .This application makes life easy to users, avoid carrying card in case he doesn't want to. The fingerprint technology provides more authentication due its performance, reliability , accuracy compared to the card.

This application is mainly based on desktop application and also compatible with android application. In this application the user as to registered with the details and then login with either username and password or with the finger print. After login the user can perform transactions like cash deposit, withdrawal, balance enquiry and fund transfer.

This application is built using Qt framework which can be deployed to android application, IOS device.It is

designed very simply and user interface in application makes user to feel its very easy to interact with the application.

This is Bank application which is built to ease the transaction procedure between the user and the bank. The application is suitable and can even embed in the required device. The application has a simple procedure, and a very simple and secured user interface. We have designed this application in a banking system for knowing the operations that are included in transaction process and many features that are not available in present system are also included. Many embedded systems which is used for the banking purposes can use the application, the application can be modified and be used as the interface of the ATM machine, as the application is been developed in the cross platform framework the application can be used for multipurpose.

The finger print scanner technology is used in this application, the customers with Rupay cards and who have registered their aadhar number to their bank account can easily interact with the banking process. The user can withdraw money, deposit money or can even transfer money to another account and check the balance.

II. PROBLEM DEFINITION

This paper describes the issues that are face in the current system, focusing on the problems that are facing in the current system and also trying to provide solution to it. In the current system the user enters the pincode for security, but it can be easily used by other person rather than the owner , the user needs to carry the card everytime when they need to perform the transaction, there is possibility of the card is lost , may be stolen. If the atm card is stolen and pincode is hacked means it will cause a major problems to the user. There are some major security issues in the current ATM transaction system.

III. LITERATURE SURVEY

The idea behind developing a ATM was to reduce a workload of the bank. In the current existing system the user needs to insert a ATM card provided by the particular bank and they enter a 4 digit pincode and perform the transactions . This

idea work fines compared to user going to bank and doing the transactions out there. It used take a lot of time compared to the ATM, the manual work was more in bank. But there are few problems in ATM as well, if the ATM card is lost or the pincode is forgot then the user cannot perform the transactions and there are also disadvantages if the atm card is stolen or the pincode is hacked that will cause major problems to the user. In this present days this type of technology is not sufficient to secure ATM transaction, so one of the level of security provided by these application is Biometric fingerprint technology.

EXISTING SYSTEM

The present existing banking applications consists of services provided by their particular bank. The banks have their own applications for their customer's which provides services to their customers. As per the rules of Government of India the bank accounts must be registered with their aadhar card number. Every user has to register with their aadhar card number, some current applications related to bank provide services only to their bank account and the security of the applications has not been updated.

User has the ease of transactions only with account related to the same bank, the user cannot use transaction facility just with a help of a number registered and cannot send amount to the other person having account in other bank easily.

- Using card enables other person rather than the owner to access the account easily.
- Loss of card could be major problem until the card is deactivated.
- In the current existing system number of crimes are increasing day by day.
- The ATM card can be stolen easily and PIN can be hacked and then user account will be exposed to attack.

PROPOSED SYSTEM

This application can be used by the users who have bank accounts and who have registered their account with their aadhar card. It is a very simple secured with biometric finger print technology, this application was developed keeping the government rules in mind and the maximum usefulness to the user, the user can experience a very easy interaction with the application and transaction functionalities. The user can also store money in wallet and can send it to other users just like a text message, the user can transfer fund, check balance and have the reports.

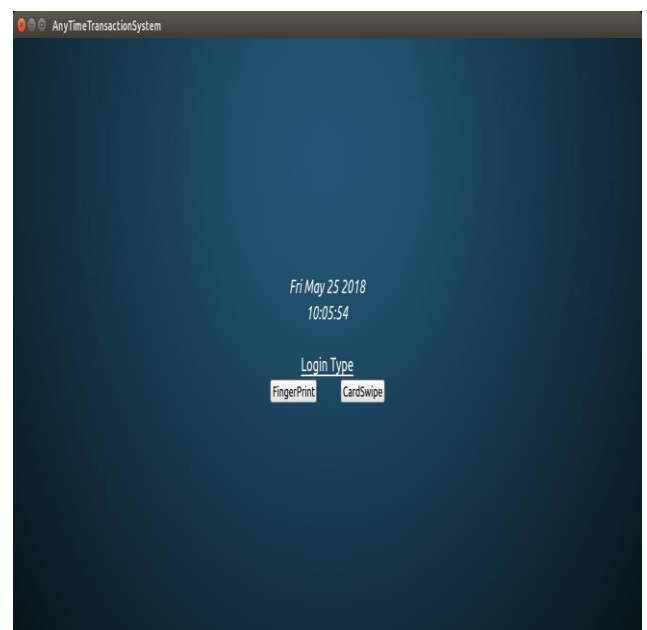
The application is most use full because it is not related to any particular banks so it is been very useful for everyone who has the bank account. All the user has to do is to sign up and register. The application is economically stable and has enough funding and resources. The application is developed for the public, but the embedded system will have the relative prices according to the requirements from the client. The application will be developed with very few inexpensive implementations and the maintenance contract.

- This fingerprint technology provides uniqueness to the authorized user.
- It is affordable and reliable.
- This technology provides high level of security to the user since there is low possibility of misuse of cards.
- This application along with fingerprint technology includes username and password to do the transactions.

IV. IMPLEMENTATION ANALYSIS AND RESULT

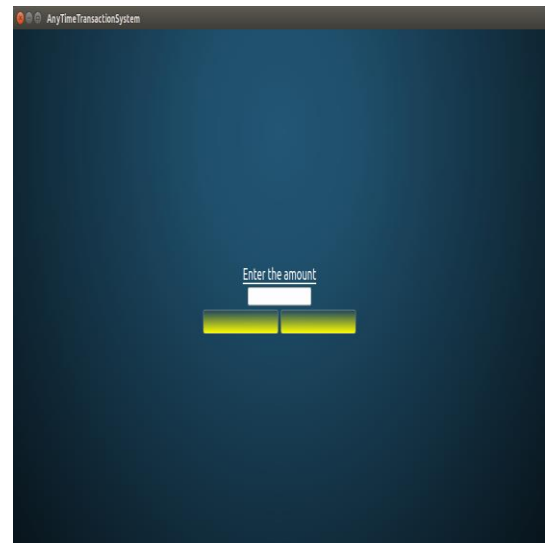
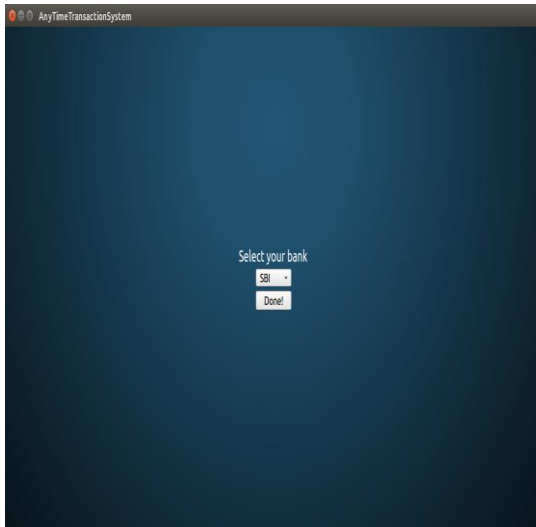
1.Home Screen

In this application the user are provided two choices for login, one through the use of fingerprint which more security then the card, another one is login through the emailid or phoneno and password as it provided in this application, it cannot be used as the real time as per now in this application but provides solution to the existing system if we use this technique.



2. Select Bank

After login the user needs to select bank from which they needed to perform the transactions.

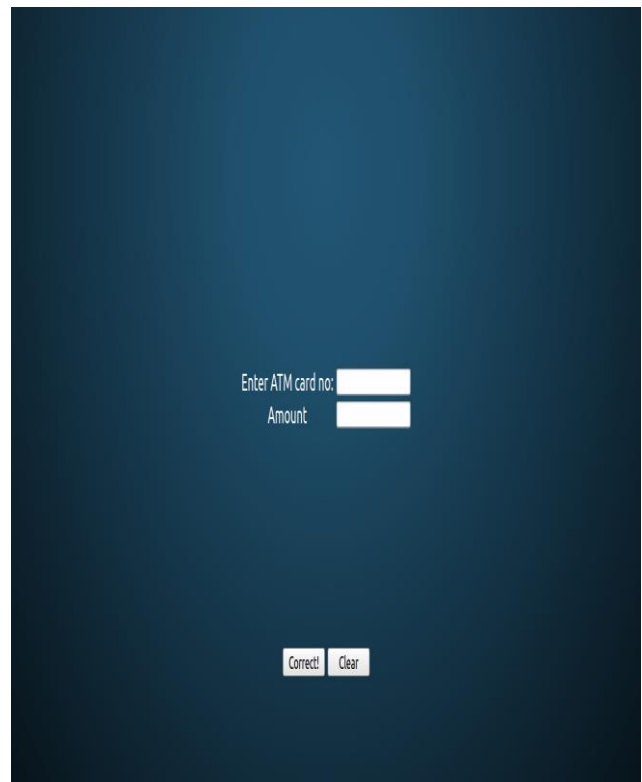
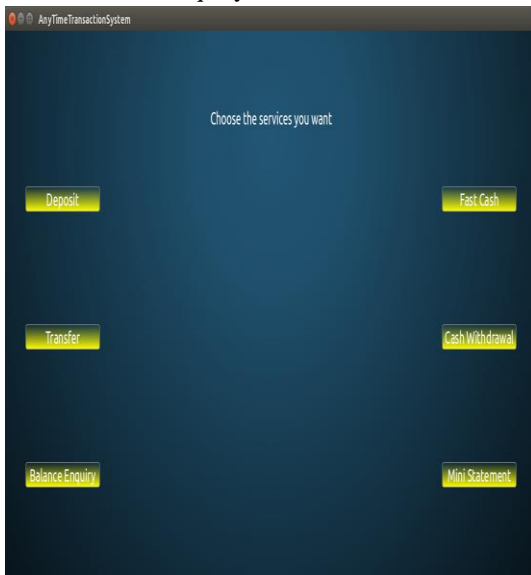


5. Transfer Amount

As there few choices given in the bank service, one of the choice is transfer the amount to the user. With certain details asked by the system and should enter how much amount needed to transfer.

3. BankService Screen

After login and selecting the bank the user needs to select any one of the services he/she needed to perform. It's complete users choice any can use any services they want. The choices are like depositing the amount, transfer the amount, cash withdraw, balance enquiry, fast cash.

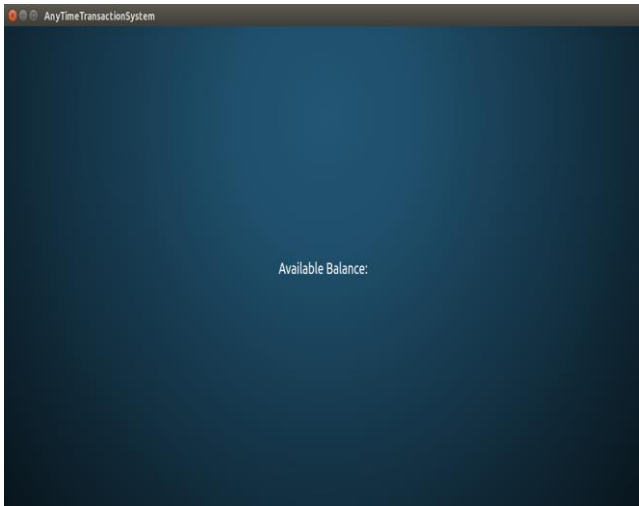


4. Withdrawal Screen

The user select any the choices from the available options. One of the choice the user selects are withdrawal amount. Once the user selects the withdrawal user must enter the amount how much he needed to withdrawal ,if they doesn't want to withdraw the money then they can cancel it.

6. Balance Enquiry

One more choice in the bank service is balance enquiry, the user mainly need this to check their available balance in their account.



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V. CONCLUSION

In this system we used biometric fingerprint technology to provide the solution to the existing system that the user's are facing in the recent times. This fingerprint technology provides uniqueness to the authorised user and this technology is very useful to the society. This technology is more reliable, and highly secured. This technology is used along with the existing system. This application worked with embedded system which makes the system more reliable, safe and secure. The main purpose of this fingerprint technology is to provide more security to the system compared to the current existing system.

Also needed to include that there are also some of limitations in the proposed system such as the fingerprint technology are not always accurate, also it takes the HighProcessing Time and In case of Handicapped there may be problem to used this technology.

This technology can be improved, in terms of speed and memory performance can be improved and also can improve the feature extraction.

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