

Voice Based Assistant in ATM Model

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Abstract: A Talking ATM or voice aided ATM is a type of Automated Teller Machine (ATM) that provides audible instructions so that persons who cannot read an ATM screen can independently use the machine. All audible information is delivered privately through a standard headphone jack on the face of the machine or a separately attached telephone handset. Information is delivered to the customer either through pre-recorded sound files or via text-to-speech synthesis

Keywords: Voice Aid, Talking ATM, Withdrawal, Debit card, Headphone

I. INTRODUCTION

The Automated Teller Machine (ATM) is a self-service machine that dispenses cash and performs some human teller functions like balance enquiry, bills payments, mini statements and so on. ATM transactions are carried out through the use of a debit/credit card which enables the card holder(s) to access and carry out banking transactions without a teller.

Nearly every adult has used an ATM, probably without much thought about who owns and operates it. Many ATMs belong to banks. ATMs are placed not only near or inside the premises of banks, but also in locations such as shopping centre /malls, airports, grocery stores, petrol/gas stations, restaurants, or anywhere frequented by large numbers of people these People typically offer the ATM as a convenience for their customer base and even for non-customers.

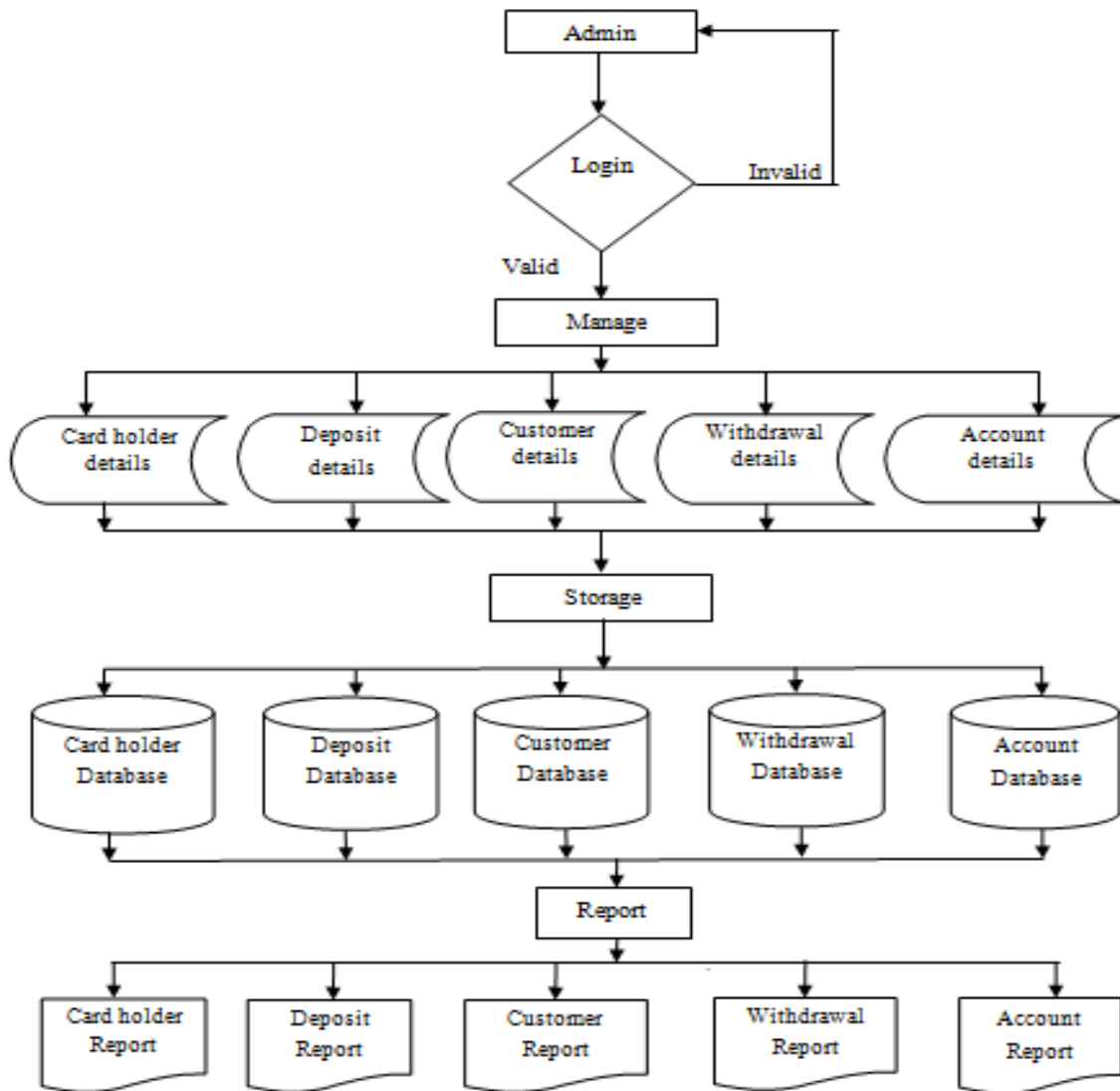
ATMs, the customer is identified by inserting a plastic ATM card with a magnetic stripe or a plastic smart card with a chip that contains a unique card number and some security information such as an expiration date. Authentication is provided by the customer entering a Personal Identification Number (PIN). An ATM, customers can access their bank accounts in order to make cash withdrawals, debit card cash advances, and check their account balances as well as purchase pre-paid mobile phone credit. Banks have become the principal deployers of ATMs.

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II. METHODOLOGY

It making the new system available to a prepared set of users (the deployment), and positioning on-going support and maintenance of the system within the Performing Organization (the transition). At a finer level of detail, deploying the system consists of executing all steps necessary to educate the Consumers on the use of the new system, placing the newly developed system into production, confirming that all data required at the start of operations is available and accurate, and validating that business functions that interact with the system are functioning properly. Transitioning the system support responsibilities involves changing from a system development to a system support & maintenance mode of operation, with ownership of the new system moving from the Project Team to the Performing Organization. List of System implementation is the important stage of project when the theoretical design is tuned into practical system.

Card Holder Details: In this module the admin can handle card holder details. The admin can create, edit and delete the card holder details. If the admin needs to search the particular card holder details the admin can able to search by using card holder name or account number. The account number should be unique for the security purpose and also the administrator or card holder cannot modify the account number manually. Each and every card holder has a unique username and password. By using their username and password only they can able to login to access the process.



Deposit Details: In this module the user can enter the deposit details. In ATM deposit is important one. The card holder can able to enter all the deposit details of them. And also, they can able to view the deposit details report. Each and every card holder can able to view the deposit report for their confirmation purpose.

Customer Details: In this module the admin maintains customer's details. The user can transfer amount to any one even who does not have their account in particular bank ATM card. All the customers have a unique account number. The customer's details are most important for the banking sector and also, they need to provide safe of the customer details. Then only the customers have interest to open an account with that bank.

Withdrawal Details: In this module the particular card holder can able to make a withdrawal with his account. The detailed report of the withdrawal can be viewed by the related card holder only. Here the bank administrators fix the maximum withdrawal amount for card holders. So, the card holders can able to withdrawal up to maximum amount per day per account card holder.

Account Balance Details: Each card holder wants to know the balance details of their own account. In this module each card holder can know their account balance. This is the only thing the card holders want to view maximum times from the ATM centers. Because then only they can able to think to deposit the amount or withdraw the amount from ATM centre.

Reports

In this module each and every card holder can able to view all the reports for their own. The reports like deposit details, withdrawal details and customers details and card holder details.

III. PROPOSED METHOD

Proposed system is useful for blind peoples. In this system blind people can understand how much withdrawal and how much transaction had done. This system gives each and every action by speech.

Advantages:

- The user can enter only if the username and the password are correct.
- The process of planning will be easy since every process is computerized.
- Time Saving.
- The Sales information per day and per month can be known.
- The details of the all saved information can be viewed.

IV. SCOPE AND FUTURE ENHANCEMENT

As a future enhancement this project is about to become a web application with complete features. According to developer it can be developed as seeds and nursery development. This is very easy to use and does everything to the seeds and nursery development system. The system is automatically monitors customer details, sales information, purchase details, fertilization and germination details. The system includes receiving payment from customer.

V. CONCLUSION

This system deals with purchase and sales processing of a seeds and nursery development system. This system has been developed to satisfy all the proposed requirements. The process of recording details about seeds, purchase, fertilization and germination, customers is more simple and easy. The system reduces the possibility of errors to a great extent and maintains the data in an efficient manner. User friendliness is the unique feature of this system. The system generates the reports as and when required. The system is highly interactive and flexible for further enhancement. The documentation will also assist in the process as it has also been carried out in a simplified and concise way.

REFERENCES

- [1]. Elias Awath, "SYSTEM ANALYSIS AND DESIGN", Tata Mc Graw Hill Publication, Sixth Edition,2003
- [2]. S. Ramachandran, "COMPUTER AIDED DESIGN", Air Walk Publication, Third Edition,2003
- [3]. Richard Fairley,"SOFTWARE ENGINEERING CONCEPTS", Tata Mc Graw Hill Publication, Second Edition,1997
- [4]. Programming VB.NET: A Guide for Experienced Programmers by Gary Cornell, Jonathan Morrison
- [5]. Learning VB.NET Through Applications by Clayton Crooks II
- [6]. VB .NET How to Program (2nd Edition) by Harvey M. Deitel, Paul J. Deitel, Tem R. Nieto