



ADVANCED BANK ACCOUNT MANAGEMENT SYSTEM AND SECURITY

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Abstract: The main aim of this project is to develop software for Bank Account Management System. This project has been developed to carry out the processes easily and quickly, which is not possible with the manual systems, which are overcome by this software. This project is developed using PHP, HTML language and MYSQL use for database connection. Bank management system can be considered as a most important thing in economic world. If we developed advanced computerized based banking system so there is no need to open more branches as well the manpower is reduced and maximum information are stored automatically in banking server. Also, in current scenario Aadhar card linking is must with bank account and it is possible through the ATM but if in urgent we want to link Aadhar it may be not possible there is no ATM are available in that case we provide this facility through our project i.e. Bank management system.

Index Terms – advanced security, bank security, management system, additional layers, account protection, security access

Transaction: in banking transaction is the execution of a program that performs an administrative or real time function, often by accessing shared data sources, usually on behalf of a banking users who have an account in the respective bank. This transaction executed by the program and it automatically do the transactions with balance and it check all conditions are satisfied or not in respective processes. This is the more secure and automatic process which do all the transaction with accuracy of calculation.

I. INTRODUCTION

The “Bank Management System” project is a model Internet Banking Site. This site enables the customers to perform the basic banking transactions by sitting at their office or at homes through PC or laptop. The system provides the access to the customer to create an account, deposit/withdraw the cash from his account, also to view reports of all accounts present. One of the most authentic codes i.e. the customer account number for recognition of any person. It always appear on and credit, withdraw, money transferring, linking Aadhar with account and changing the account location in one branch to another branch in same bank. Day to day life banking system is most useful and important thing in economical world and which is very useful to develop country as well as economic power.

II. LITERATURE REVIEW

Banking system requires authenticity and validity if a system provides these basic logics that mean we can develop a new system that authenticate and validate the user and user can do any type of virtual transaction any time anywhere in minimum amount of time the customers can access the banks website for viewing their Account details and perform the transactions on account as per their requirements. With Internet Banking, the brick and mortar structure of the traditional banking gets converted into a click and portal model, thereby giving a concept of virtual banking a real shape.

The primary aim of this “Bank Management System” is to provide an improved design methodology, which envisages the future expansion, and modification, which is necessary for a core sector like banking. This is the more secure and automatic process which do all the transaction with accuracy of calculation.

III. MOBILE BANKING:

These are playing tremendous role in making banking services friendlier and swiftly. Mobile banking is attractive because it is a convenient approach to perform remote banking, but there are security shortfalls in the present mobile banking implementations. This paper discusses some of these security shortfalls, such as security problems with GSM network, SMS/GPRS protocols and security problems with current banks mobile banking solutions. This paper discusses the SMS and GPRS proposed solutions for these problems. The results from these proposed solutions have proven to provide secure and economic communications between the mobile application and the bank servers. The proposed solutions allow the users to bank using secure SMS and GPRS.

IV. LITERATURE SURVEY

Anju Dagmar discussed about importance, advantages, various online services and issues pertaining in online banking.

In [1], Information and communication technology (ICT) has helped to drive increasingly intense global Competition. In the world history the most of the countries are most developed because of they are financially very clear for how to use the high amount of money in the developing process in own country. we also refer the paper who give the case study information about Scandinavian bank and a Swiss bank These two banks are working on the basis of service-oriented architecture for providing the service for the customer. SOA provides potential for greater organizational agility (and thereby competitiveness).

Muhammad Abduls Sattar Tutu and Md. Aziza Rahman explained adoption, major components, major online banking services, customer satisfaction and major problems encountered in online banking services in Bangladesh banks

In [2], in the second paper we learn which type of problems are created in banking system during the different types of transactions. Here discuss about if any region the transaction may be fail then how to avoid it and fixed it. In our project we provide the security questions when customer login with account to prevent the fraud and provide the best security in the bank management system.

V. PROPOSED SYSTEM

Our Project developing as per the below figures. In the below fig (a) this project is use for online banking system, the user can register first and then login. When user login successfully they will perform the operation like money withdraw, money transfer, deposit, Aadhaar link with own account, transfer account in one location to another location etc. Costumer can update his data like address, contact number etc. as well as they link Aadhaar number with own account number using online banking system. User can transfer money, deposit money, withdraw and check account balance through online banking system.

The proposed system is highly computerized in which the data related to user accounts will be secured high with high accuracy that even reduced the machine damage and human made errors and this existing system is highly efficient to offer best services to the customers as well as bank because it has user friendly access that customers less time when compare with a normal banking system.

We use following architecture for the project are:

- [1] MVC architecture for Presentation layer
- [2] SOA architecture for Service layer
- [3] Design Pattern for data access layer
- [4] Entity framework for Data access layer

Here we work in order of Bottom-Up approach.

VI. FUNCTIONAL REQUIREMENT

Costumer can update his data like address, contact number etc. as well as they link aadhar number with own account number using online banking system. User can transfer money, deposit money, withdraw and check account balance through online banking system.

VII. FOR CUSTOMER MODULE

- This system allows the customer to login with email and password
- This system allows the customer to reset password if password is forgotten
- This system allows the customer to view his/her account balance
- This system allows the customer to transfer money from his account to another account
- This system allows the customer to recover password
- This system allows the customer to change password
- This system allows the customer to delete profile

VIII. FOR ADMIN MODULE

- This system allows the admin to login with username and password
- This system allows the admin to add a Bank branch details
- This system allows the admin to approve or reject customer transaction request
- This system allows the admin to View Managers & Customers details

IX. REFERENCE

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