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BANK MANAGEMENT SYATEM

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Abstract

Bank Management System project is written in Python. The project file contains a python script (main.py) and a database file. This is a simple console based system which is very easy to understand and use. Talking about the system, it contains all the basic functions which include creating a new account, view account holders record, withdraws and deposit amount, balance inquiry, closing an account and edit account details. It is too easy to use, he/she can check the total bank account records easily.

Introduction

The project entitled "Bank management system" is a computerized telecommunications device that provides the customers of a financial institution with access to financial transactions in a public space without the need for a human clerk or bank taller (manpower).

Thousands of bank performs millions of transactions every day and thousands of users used banking system in day to day life. As we know that if number of users increases us need more banks and more staff it means increasing manual work also we put more amount of money in bank it is more risky and not much secure. If we developed advanced computerized based banking system so there is no need to open more branches as well the manpower is reduce and maximum information are stored automatically in banking server.

Banking system requires authenticity and validity if a system provides these basic logics that mean we can developed 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. 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.

Literature survey/ related work

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 use the SOA architecture for providing the scalable and reliable service therefor we studied related to the SOA architecture to know how we use to implementation process in our project using Service Oriented Architectures (SOA).we also refer the paper who give the case study information about Scandinavian bank and a Swiss bank This 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).

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. We also studied about Firms in Italy defaulted more against banks with high levels of past losses. This `selective' default increases where legal enforcement is weak. Poor enforcement thus can create a

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systematic transaction risk by encouraging banking users to defaulted masse once the continuation value of their bank relationships comes into doubt. In banking sector the security also must and when we talk about money or property this case is more sensational then we found the security is the major thing to do in banking system.

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.

Proposed 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.

When the data is entered it will check for its validity. Appropriate massages are provided as when needed so that the user will not be in a maize of instant. The data entry screen is design such a way that all the data manipulates can be performed, it also provide record viewing facilities. 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, aadhar link with own account, transfer account in one location to another location etc. Admin has all authority to handle all the user account and transactions in a sequence to avoid unauthorized user. 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.

In Bank management system we use n-tier architecture which is helpful to handle different tasks in fluently and sequential order.

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.

The flow of working of the project as shown in below diagram:

Fig. Mind map for bank management system

Conclusions

Bank management system is a virtualization of transactions in banking system. The banking system are used manual working but when we used online banking system it is totally virtualization process which avoid manual process and converts it in automatic process . If user can make a transaction in bank management system it is available in any were also user can link aadhar with account, change branch location easily. Bank management system is saving the time with accuracy than bank manual system

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Bank Management System

Introduction

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Bank Management System

Literature Survey

I read Journel in 2012 written by Tenkasi Taluk &Devasena,S valli in that journal they are trying to Tell about how banking system works in the real life and also their importance in the world.And in 2014 ,prema sherma Bamoria conducted a study to find the issues faced by banks while doing some transactions. So I decided to to do a project on banking application without getting any problems during transactions done by customers.

Reference links: thefinancialbrand.com, www.managementstudyguide.com, www.omicsonline.org

About Existing System

If I talk about exisiting banking system ,it contains all basic functions which include creating new account,view account holders list, withdraws and deposit amount,balance enquiry,closing an account and edit the details about the customer account details ets..,

Drawbacks

The drawbacks about the banking system is the procedure of work is slow and sometimes very slow when alots of customers using the bank application at a time and they will use some programming languages to maintain which data processing is low.

Bank Management System

Proposed System

Here iam doing project on banking management system but it is already devlepoed so I would like to Add some more features for banking application to make it more attractive more usable . The features like displaying all the details about the account holder once you enter his/her phone number

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Advantages

Advantages about my proposed system is that will work efficiently and it will work with high process speed to retrieve data from the database without having any delay.

Requirments

SOFTWARES:any one of the following…..

1.windows xp

2.python idle

3.jupiter notebook

4.Anaconda

5.pycharm

6.Ecclipse

HARDWARE:

Personal computer.

WE HAVE 3 MODULES….

1.PICKLE

2.PATHLIB

3.OS

Pickle

It is used in serializing and de-serializing a Python object structure. Any object in python can be pickled so that it can be saved on disk. What pickle does is that it "serialises" the object first before writing it to file. Pickling is a way to convert a python object (list, dict, etc.) into a character stream.

Pathlib

This module offers classes representing filesystem paths with semantics appropriate for different operating systems. Path classes are divided between pure paths, which provide purely computational operations without I/O, which inherit from pure paths but also provide I/O operations.

OS:The OS module in Python provides a way of using operating system dependent functionality. The functions that the OS module provides allows you to interface with the underlying operating system that python is running on.

Conclusions

Bank Management system is a virtualiztion of transactions in a banking system. The banking system is used in manual working but when we used in online banking system it is totally virtualzation process which avoid manual process and converts into automatic process. If a user can use bank management system it is available any were also llink adhar with account change branch location easily. Bank management system saves the time with accuracy them manual system.

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