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Bank account monitoring using intelligent system

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ABSTRACT

Considering the huge offices given by the electronic climate in the field of media communications, installment frameworks and record the executives in the financial area and other monetary organizations, yet there are critical dangers looked by these offices through penetrates, control and speed in monetary flow, so we should give a brilliant framework to distinguish the interruption "shortcomings" "Inside the bookkeeping situation to dodge control and robbery, in this paper we have assembled a shrewd framework to screen the bookkeeping exercises inside the bookkeeping frameworks in monetary foundations and in a way that doesn't have the foggiest idea about the client, whatever his insight into the framework. The proposed model has been carried out on a financial framework in one of the monetary organizations and some unintended controls and purposeful were recognized and the defaults were resolved and the choices taken by the administration carefully dependent on the pointers given by the framework and assisted with settling on the choice and this is a particular advance in the field of electronic control of records.

Keywords: environment, intelligent, bank system, monitor system

INTRODUCTION

In new electronic world bank framework should execute by extraordinary kind of utilization program to oversee principle bank activity with fast and proficient primary bank activity (saving , current ,… account) We are attempting to arrive at shrewd control on financial framework and show paper format as segment 2 bank framework highlight and control application segment 3 competitor framework area 4 trial result segment 5 end2 bank system feature and control application **banking system** is a gathering or organization of foundations that offer monetary types of assistance for us. These establishments are liable for working an installment framework, giving credits, taking stores, and assisting with investments [1]. bank acknowledges cash from individuals as stores which are normally repayable on request or after the expiry of a fixed period. It offers security to the stores of its clients. It additionally goes about as an overseer of assets of its customers [2]. Interior controls are the frameworks, strategies, techniques and cycles carried out by the board and senior administration to shield bank resources, cutoff or control hazards and accomplish the bank's targets. Powerful interior controls may forestall or distinguish possible extortion or resistance with bank policies may individual work on observing of ledger however without shrewd control [3].

METHODOLOGY

CONTROL APPLICATION FOR BANKING SYSTEM

Banking structure is a social occasion or arrangement of associations that give financial organizations to us. These establishments are accountable for working a portion system, giving advances, taking stores, and helping with investments [1]. bank recognizes money from the people as stores which are ordinarily repayable on revenue or after the expiry of a fixed period. It offers security to the stores of its customers. It moreover goes probably as a manager of resources of its customers [2]. Inside controls are the structures, techniques, frameworks and methods executed by the board and senior organization to protect bank assets, mark of imprisonment or control perils and achieve the bank's objections. Convincing inside controls may check or perceive possible blackmail or rebelliousness with bank policies may singular work on seeing of monetary equilibrium anyway without insightful control [3-5].

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ACCOUNT MANAGEMENT WITH COMPUTER SYSTEM

The Ledger the board Framework is an application for keeping up a person's record in a bank. ... To develop an endeavor for understanding cash related usages of a customer in financial condition in order to help the necessities of an end banking customer by giving various ways to deal with perform banking tasks [4]. It's hard to imagine banks without innovation. In reality, PCs have been being utilized in banking since the 1950s, when Bank of America introduced a PC arranged unequivocally for taking care of checks. Each new decade has brought advancements that change the way wherein banks administer each day exercises and serve customers. Today, you may not go out to do your banking. However much innovation has changed the usage of the PC in the monetary section, banks continue modifying the way wherein they do things and all framework like ACH, RTGS, SWIFT … to improve financial balance the board with more simpler [5-7].

BANK AUDIT WITH COMPUTER SYSTEM

These days, review measures are upheld by a few Computer application to accomplished objective of review with Auditors manage data in horde ways including the territories of bookkeeping, affirmation, counseling and consistence and the greater part of this data is currently accessible in electronic structure. This is authentic not only if there ought to emerge an event of colossal and medium undertakings anyway even in little endeavors. If there are adventures who have still not changed the electronic way, by then it is an open entryway for reviewers to help such undertakings with riding the high level wave. In this way, it has ended up being essential for Inspectors to fathom and use information innovation as material for the organizations we give. It is appropriately expressed: "one can't audit data which is flying in pieces and bytes by using the old system for riding on a horse back". We are living in an information period where the scopes of capacities are keys to outfitting the power of innovation to be feasible as information workers. PC Helped Review Systems (CAATs) suggests using innovation for extending the reasonability and efficiency of examining. CAATs enable analysts to achieve more with less and incorporate an impetus through the insistence method which is progressively vivacious and sweeping. This segment gives a graph of the methodology, approach and frameworks which could be used transversely over various innovation stages and in different endeavors. [8-10].

RESULTS AND DISCUSSION

CANDIDATE SYSTEM

With following candidate system attempt to improve intelligent bank system with fill control and on accounting rule and intelligent algorithm to achieve goal as shown with following diagram

1. As shown with diagram 1 can see master data base(DB1) and secondary (DBC) represent as copy for data base and all interaction with user and the other hand at two side of main diagram (sheet 1) and (sheet 2)save all user activity with behaviors is send to genetic algorithm to process.

Algorithm 1 (Main) Input (sheet 1, sheet 2) Output (list of user)

// main step to operate of control program

1 start

2 repeat

read data from sheet 2

call data compare procedure (result file 1).

call intelligent procedure (list of critical user detected)

3 until end of work

4 end

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Table 1: main action for system

IP address	Access by		Action	Accept or reject
10:0:87:205	User	91	I	A
10:0:157:236	User	87	U	A
10:0:143:130	User	14	C	R
10:0:140:87	User	27	E	R

Where A= accept R= reject I= insert

U=update C= cancel E=error

Algorithm 2 (data base compare) Input (DB1 , DBC) Output (data base status file, Error and crash with data detect time and user)

// the following procedure using as base to decision making control before operate genetic algorithm

1 start

2 analysis database (DBC)

3 analysis database (DB1)

4 put different record in file with user (that input and whom fetch data with process time)

5 recalculate time of process to avoid any crash with database register not with log file)

6 repeat all operation until improve system stabile

(no crisis)

7 end

Table 2: Result table

10:0:84:163	User	50	I	A
10:0:217:57	User	51	E 17	R
10:0:67:214	User	10	I	A
0:0:126:181	User	74	I	A
10:0:49:65	User	70	I	A
10:0:183:159	User	97	I	A
10:0:232:116	User	30	I	A
10:0:92:137	User	94	E 11	R
10:0:215:168	User	90	I	A
10:0:149:62	User	17	I	A
10:0:198:219	User	76	I	A
10:0:58:239	User	40	I	A
10:0:181:70	User	36	I	A
10:0:114:164	User	63	I	A
10:0:164:121	User	96	I	A

Algorithm 3 (intelligent feature) Input (log file, list of active user) Output (list of user as critical)

// this algorithm use to improve stability of system and attempt to prevent any crisis with system and bank account

1 start

2 read log file and using as input for intelligent algorithm

3 start with intelligent algorithm and show which user may be cause with instability with system

4 set all user may be cause with instability at semi-block

5 more focusing on critical user that pointed as semi-block

6 end

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DIAGRAME

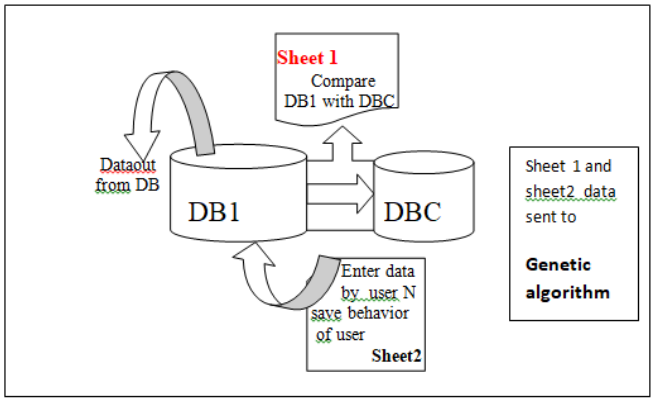

Diagram 1: main step in candidate system

CONCLUSION

Given the vast opportunities created by the electronic environment in media communication, payment systems, and record management within the financial sector and other economic organizations, significant risks remain, such as breaches, manipulation, and rapid financial flows. To combat these issues, it is essential to develop an intelligent system that identifies "weaknesses" within the accounting framework to prevent fraud and theft. This paper presents a smart monitoring system for accounting activities in financial institutions, designed to operate without requiring user awareness, regardless of their familiarity with the system. The proposed model has been implemented within a financial institution, resulting in the detection of both accidental and intentional anomalies. Management decisions were subsequently informed by the insights provided by this system, aiding in effective decision-making. This represents a notable advancement in electronic record control, enhancing the integrity and security of financial transactions and practices.

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