COMPUTERIZATION OF ACCOUNTING PROCEDURE IN MANUFACTURING COMPANY.

(A CASE STUDY OF TOYO PAINTS NIGERIA LIMITED ALAGBADO-LAGOS)

BY

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CERTIFICATION

This project work was carried out by Gbenga Daodu in the Department of Mathematics/Computer Science, School of Science and Science Education, Federal University of Technology Minna, Niger State

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ABSTRACT

Accounting is a decision support tool that gives easy access to vital information needed for effective running of Business Organization.

An accountant is concerning with more than record keeping phase, he is interested in the relationship between the financial result and the event which have created them.

He will study the various alternatives open to the firms and he will use his accounting experience in order to aid the management to select the best plan of action for the firm.

The necessary information are not just supply to the management but making the information available at the right time and the right place

Due to the innovation and increase in transaction, the operation of accounting personnel has increased voluminously in recent year, and there is the need for faster and efficient system, that is a computer base system, that will improve manual system, which are prone to errors in accounting calculation, fraudulent activities and delay in preparing information available to the management for decision making.

The system design, specification, implementation and documentation are analysis for users to efficiently use and understand the computer system on accounting packages.

CHAPTER ONE

1.0 INTRODUCTION

1.1 BACKGROUND TO TOYO PAINT NIGERIA LIMITED, LAGOS

1.2 DEFINITION OF ACCOUNTING

business there are words and terms that mean one thing in accounting but whose meaning is completely different in ordinary language usage. When the words and terms of accounting is well understand, greater gain of insight into the way that business is transacted and the methods by which business decisions are taken will be achieved. The actual record-making phase of accounting is usually called book-keeping. However, accounting extend, far beyond the actual making of records. Accounting is concerned with the use to which these records are put, their analysis and interpretation. An Accountant is concern with more than the record keeping phase, he is interested in the relationship between the financial result and the events which have created them. He will study the various alternatives open to the firm; and be using his accounting experience in order to aid the management to select the best plan of action for the firm.

1.3 PROBLEM DEFINITION

Accounting is a decision support tool that gives easy access to vital information needed to monitor and plan sales activities and also the salaries and wages. It aids in planning, forecast and evaluate sales and sales force performance and analyse key target market segments.

As a result of improvement in the quality of paints, the numbers of customers increases daily, and sales also

- Arithmetical inaccuracy of clerical work
- Delay in record-making
- Delay in entering accessing information
- Delay in management decision making due to delay in record making.

One can conclude that, the operation of the accounting personnel has increased voluminously in recent years and there is need for a faster and efficient system i.e. A computer base system, that will improve manual system which is prone to fraudulent activities, errors in accounting calculation and delay in preparing accounts available to the management for decision making.

Computer base system was developed to run the affairs of the Accounts Department of Toyo Paints Nigeria Limited, Lagos.

1.4 OBJECTIVE

TOYO PAINTS NIGERIA LIMITED, ALAGBADO, LAGOS was chosen as a case study and to design an efficient computer based system to automate the Accounting system of operations by doing this it would improve its standard of operation and services rendered in the following ways.

- QUICK SERVICES:- Vital information are getting to the top management at the required time due to the incredible speed and processing capabilities of the computer machine.

1.6 METHODOLOGY

CHAPTER IV

2.1 LITERATURE REVIEW

2.1 OVERVIEW OF THE EXISTING SYSTEMS

2.2 SYSTEM DESCRIPTION

CHAPTER THREE

3.1 SYSTEM ANALYSIS AND DESIGN

3.2 OVERVIEW OF THE NEW SYSTEM

3.2 OUTPUT DESIGN

3.3 INPUT (SCREEN) DESIGN

3.4 PROCESS DESIGN

3.4.1 File Security

3.4.2 Menu Design

4.0 SYSTEM DOCUMENTATION AND IMPLEMENTATION

4.1 DOCUMENTATION OF COMPUTERISED SYSTEM

**** INTERUPTED ****

On the screen, followed by a '.' Which is dBase 111+ 's command prompt. The best things to do at this point is to type

'QUIT' to return to the operating system prompt.

4.2 IMPLEMENTATION

Once a program has been tested and found working as required, the next stage is the implementation of the program.

This stage is concerned with making the program fully operational. That is, it involves applying the programs to solve the problem it is meant to solve. Implementation involves the co-ordination of the efforts of the user department and the processing department in getting the new system into operation. The following are the steps in implementation:

a) Choice of programming language
b) Hardware and software requirement
c) System testing
d) Change over Technique
e) Review and maintenance

4.2.1 CHOICE OF PROGRAMMING LANGUAGE

DBASE 111 plus was used because of it's efficient database management, it's flexibility and simplicity, also because of it's non-ambiguous characteristic, ease of extension (that is, it can meet the demands of new applications by extending its capacity). dBASE 111 plus can crate simple database applications,

4.2.1 CHOICE OF PROGRAMMING LANGUAGE

4.2.2 REASONABLE ANY SOFTWARE ACCEPTABLE

4.2.3 INSTALLING THE SOFTWARE

4.2.4 SYSTEM TESTING

4.2.5 CHANGEOVER PROCEDURE

4.2.6 REVIEW AND MAINTENANCE

CHAPTER FIVE

5 CONCLUSION

5.1 ACHIEVEMENT

5.4 AREA OF FUTURE WORK

5.0 GENERAL OBSERVATION

REFERENCES

1. Ayeni .J.O.: Fundamentals of Computer, Associate Professor of Computer Science, university of Lagos, 1992.
2. Belinda, P.O.: Management Systems and Computers, Aledandar Hamilton Institute, New York;__ 1977.
3. Cecil Gillespie: Accounting Systems, Procedures and Methods, 1982; 2nd Edition.
4. Finney and Miller:Principles of Accounting, Introductory 1983, 4th Edition.
5. Kola Raimi: Lecture Note on Database Management System Computer Centre, Federal University Technology, Minna; 1997. (Unpublished)
6. Miriam Liskin: Teach Yourself dBASE 111+, 1986; 2nd Edition.
7. Miriam Liskin: Advanced dBASE 11 programming and Techniques, 1986
8. Russel Stultz: The illustrated dBASE 111 Book, for Learning, Teaching and Reference,1996.

PROGRAMME STRUCTURE

```
************************************************
*  PROGRAM NAME:    ORDPRT.PRG                  *
*  FUNCTION     :   TO PRINT ORDER BY CATEGORY  *
************************************************

SET DATE BRIT
D = DATE()
CLEAR
CLOSE ALL
CLOSE DATABASES
SET TALK OFF
CLEAR
DEL CATEGORY.DBF
SET DEVICE TO PRINT
@0,30 SAY "TOYO PAINT LTD"
@2,31 SAY "ORDER BY CATEGORY"
@3,31 SAY REPL(1*1,17)
@5,5 SAY REPL(1-1,70)
@6,5 SAY "DESCRIPTION"
@6,25 SAY "COMPANY"
@7,50 SAY "TOWN"
@7,65 SAY "DATE"
@8,5 SAY REPL(1-1,70)
@9,1 SAY " "
RECNO = 0
USE STOCK
GO TOP
SORT ON DESC TO CATEGORY
USE CATEGORY
DO WHILE .NOT. EOF()
RECNO = RENO+1
     @RPW()+1,5 SAY DESC
     @ROW(),25 SAY COMPANY
     @ROW(),65 SAY DATE PICT "99/99/99"
SKIP
LOOP
ENDDO
     @ROW()+1,5 SAY REPL('-',70)
     @ROW()+2,5 SAY 'TOTAL NUMBER AS AT"
     @ROW(),21 SAY D PICT "99/99/99"
     @ROW(),64 SAY RECNO PIC "99,999"
     @ROW()+1,62 SAY REPL(1=1,13)
SET DEVICE TO SCREEN
SET PRINT OFF
CLOSE DATABASES
CLOSE PROCEDURE
DO DDPMENU
RETURN
```

DATE RUN: 11/06/98

TOYO PAINTS NIGERIA LTD

CHEQUES PAYMENT LISTING

CHEQUE NO	DATE	BANK NAME	RECIPIENT	AMOUNT PAID	DESCRIP
071491	01/06/98	UBA	MIKE OGUNDARE	50,000.00	SUPPLY
011492	01/06/98	UBA	CHIKE WILLIAMS	25,000.00	SUPPLY
111424	04/06/98	SBN	AYODELE OLU	50,000.00	SUPPLY
001562	05/06/98	UNION BANK	BAY ENTERPRISE	50,000.00	REFUND
000100	06/06/98	GUARANTY TRUST	B&l CHEMICAL	1,000,000.00	SUPPLY
011493	06/06/98	UBA	JAM CLEANING	250,000.00	SUPPLY
000101	06/06/98	GUARANTY TRUST	MOTHERLESS HOME	15,000.00	CHARITY
011494	11/06/98	UBA	MR. ORJI & CO.	45,000.00	SERVICE
111426	11/06/98	SBN	HEAD OFFICE	50,000.00	DRAFT

TOTAL CHEQUES PAID OUT AS AT 11/06/98 1,535,000.00

TOYO PAINTS NIGERIA LTD, LAGOS

STAFF NAME: KEJI OJO

BASIC SALARY:	2,500.00		
AREARS:	0.00	SALARY + ARREARS =	2,500.00

HOUSING ALLOW :	2,000.00		
TRANSPORT ALLOW:	1,000.00		
LUNCHEON ALLOW :	500.00		
UTILITY ALLOW :	2,400.00		
MEDICAL ALLOW :	1,000.00		
FURNITURE ALLOW:	500.00	GROSS PAY =====>	9,900.00

TAX PAYABLE :	258.00		
NSITF :	4.00		
LOAN REPAYMENT :	0.00		
		TOTAL DEDUCTION =====>	262.00

SALARY PAYABLE TO KEMI OJO (MISS) 9,638.00

Press any key to Edit more records or press <RETURN> to Quit

Press Any key to Continue

TOYO PAINTS NIGERIA LTD
LAGOS - NIGERIA.

VALUE OF ALL ITEMS IN STOCK
****

ITEM NO	ITEM DESCRIPTION	QUANTITY	UNIT PRICE(₦)	TOTAL VALUE
TOOO1	LUXOL EMULSION	500	1000	500,000
TOOOL1	LUXOL GLOSS	1500	1100	1.650,000
TOOOL2	LUXOL UNDERCOAT	2500	1100	2.750,000
TOOOF1	FIRE RETARDANT TEXCOTE	2500	5000	12.500,000
TOOOP1	PEAK WOOD PRIMER	2000	1000	2.000,000
TOOOB1	BRIGHT ALUMINUM PAINTS	1000	1500	1.500,000

= **TOTAL VALUE** ₦19.250,000

= *** TOTAL NUMBER OF ITEMS IN STOCK = SIX