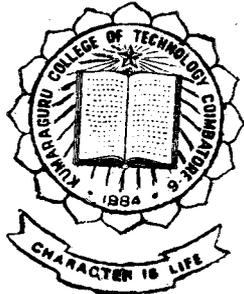


Vehicle Management System



Project Work

Submitted by

A. John Istin

9437P0003

PROJECT REPORT SUBMITTED IN PARTIAL FULFILMENT OF
THE REQUIREMENTS FOR THE AWARD OF
MASTER OF SCIENCE (APPLIED SCIENCE)
IN APPLIED MATHEMATICS IN THE FACULTY OF
ENGINEERING OF BHARATHIAR UNIVERSITY, COIMBATORE

Department of Mathematics

Kumaraguru College of Technology

Coimbatore-641 006

1995 - 1996

Department of Mathematics
Kumaraguru College of Technology
Coimbatore - 641 006

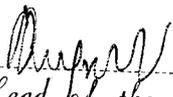
Project Work

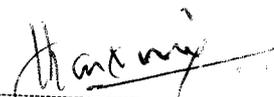
Register No. 9437P0003

Certified that this is the bonafide record of the
Project work done by

A. JOHN ISTIN

in partial fulfilment for the award of the
Master of Science (Applied Science)
in Applied Mathematics in the Faculty of Engineering of
Bharathiar University, Coimbatore


Head of the Department


Faculty Guide

Submitted for the University Examination held on 10.6.98

Internal Examiner


External Examiner



P.26

May 11, 1996

TO WHOMSOEVER CONCERNED

This is to certify that Mr.A.JOHN ISTEIN has completed his project work titled VEHICLE MANAGEMENT SYSTEM using ORACLE 7.0 under UNIX environment.

During the course of his project, he is regular and co-operative.

R. RAMASUBRAMANIAN

PROJECT CO-ORDINATOR

SYNOPSIS

The project "VEHICLE MANAGEMENT SYSTEM" is developed for T.V. Sundram Iyengar and Sons, Madurai. Computerization of this area can result in more reliable, accurate and fast solution for Various activities.

At present T.V.S Vehicle dealers issues quotations to the customers manually. These are then taken for finding the availability of stock in hand. On non-availability of vehicles the Branch office dealers demand to the head office. After verification of payment made by the customers, the Vehicle is sold to him.

The proposed system employed ORACLE 7.0 for data maintenance and data manipulations under UNIX Version V release 4.2. In this system data entry is done inter actively to make it user friendly.

ACKNOWLEDGEMENT

I express my sincere thanks to **Mr.R.P.THANGARAJ**, Head, Department of Applied Mathematics, Kumaraguru College of Technology, for his kind consent and help during the project work.

I also like to thank my faculty guide **Mr.M.KANAGARAJ**, Department of Applied Mathematics, for his supervision and invaluable guidance throughout the development of this project.

It is very pleasure for me to express my sincere gratitude to **Mr.RAMASUBRAMANIAM**, Manager - Training, **T.V.SUNDARAM IYENGAR & SONS**, for his invaluable external guidance during the project period. I also thank **Mr.MARIPANDI**, for his kind co-operation and help during the project time.

CONTENTS

	ACKNOWLEDGEMENT	
	SYNOPSIS	
1.	INTRODUCTION	PAGE NO.
	1.1 About the organisation	1
	1.2 System configuration	2
	1.3 ORACLE - An overview	2
2.	SYSTEM INVESTIGATION	
	2.1 Existing system	7
	2.2 Proposed system	8
3.	SYSTEM DESIGN	
	3.1 Data flow diagram	12
	3.2 Overview of the system	15
	3.3 Code design	18
	3.4 Database design	19
	3.5 Process design	26
	3.6 Output design	28
4.	SYSTEM IMPLEMENTATION AND TESTING	30
5.	CONCLUSION	34
	BIBLIOGRAPHY	33
	APPENDIX	34
	a. Menus	
	b. Input Screen	
	c. Reports	

ABOUT THE ORGANISATION

T.V.SUNDRAM IYENGAR & SONS LTD., named after its founder SRI T.V.SUNDRAM IYENGAR. The group of activities are Automobiles, Service Organisation and Electronics. The head office of T.V.S group Companies is Madurai.

TVS ELECTRONICS at Bangalore are engaged in manufacturing and sales of computer peripherals like keyboard, monitor, mouse, printer etc., and also uninterrupted power supply units required for computers. The company has a country wide sale and service covering Bangalore, Madras, Bombay, Hyderabad and Calcutta.

The TVS & SONS LTD, are engaged in vehicle sales, service and spare parts. Service organisation such as educational institutions and credit societies hospitals. They also have an export oriented software consultancy in the fifteen areas.

SYSTEM CONFIGURATION

PLATFORM	:	SCO-UNIX
UNIX VERSION	:	SYSTEM V RELEASE 4.2
PROCESSOR TYPE	:	486
BUS TYPE	:	EISA
RAM SIZE	:	16 MB
HARD DISK	:	520 MB
FLOPPY DRIVE	:	3 1/2" 1.4MB
COPROCESSOR	:	80387

UNIT ON SCSI CONTROLLER

UNIT 0	-	/dev/dsk/cot0do	-	516MB HARD DISK
UNIT 1	-	/dev/dsk/cot1do	-	520MB HARD DISK
UNIT 6	-	/dev/rmt/cot 6do	-	cmt Drive

TTY PORTS PRESENT

VIRTUAL TERMINAL DEVICES VTOO - CTO 8
MOTHER BOARD RS 232 PORTS TTYO - TTY 01

ORACLE - AN OVERVIEW

ORACLE - A BRIEF INTRODUCTION

Oracle is one of the popular and powerful RDBMS available in the market. It is available on a wide range of hardware platforms and operating system, for micro computers to main frames. It is available in 3 flavours

1. Professional Oracle
2. Networking Oracle
3. Lanserver Oracle

SYSTEM CONFIGURATION

Operating System : UNIX VER 5 Rel. 4.2
Software : ORACLE 7.0

TOOLS USED : SQL * PLUS 3.0
PL/SQL 2.0
SQL * FORMS 3.0
SQL * MENU 5.0
SQL * REPORT WRITER 1.1

ORACLE TOOLS

1. DATA ACCESS AND MANIPULATION TOOLS

The various tools available allow us to access and manipulate data, as well as to design or use applications. Each provides a separate point of entry and unique approach to the Oracle system.

SQL * PLUS

SQL * Plus is the main direct access interface to the Oracle relational DBMS. This includes a full implementation of ANSI standard SQL.

SQL * FORMS

SQL * Forms provides a convenient and easy method to query a database and update, delete or add information. With this advanced tool, we can convert, design, and run sophisticated forms for accessing the database.

SQL * REPORT WRITER

SQL * Report writer is a menu-driven formatting tool that uses SQL to create professional - looking reports and other merged output.

SQL * MENU

SQL * Menu is an advanced, non procedural tool for integrating different Oracle functions and forms into a menu-driven system.

SQL-CALC

SQL * Calc lets us to directly access the Oracle database and provides a spreadsheet environment.

SQL * GRAPH

SQL * Graph is a graphics support tool that translates SQL database queries into graphic representations.

SQL * QMX

SQL * QMX is an optional report writer that enters us to enter queries.

2. PROGRAMMING TOOLS

Oracle provides series of programming interfaces. These precompiler software tools provide a convenient and easy-to-use methods of incorporating Oracle SQL statements in high level programming languages. Currently, users of professional Oracle can interface with FORTRAN, COBOL, C, PASCAL, PL/1 and ADA are available for other implementations and additional interfaces are being added.

FEATURES OF ORACLE

Large databases and space management control.

ORACLE supports the largest of databases, potentially hundreds of giga bytes in size. To make efficient use of expensive hardware devices, it allows full control of space usage.

MANY CONCURRENT DATABASE USERS

Oracle supports large numbers of concurrent users executing a variety of database applications operating on the same data. It minimizes data contention and guarantees data concurrency.

HIGH TRANSACTION PROCESSING PERFORMANCE

ORACLE maintains the preceding features with a high degree of overall system performance. Database users do not suffer from slow processing performance.

HIGH AVAILABILITY

At some sites, ORACLE work 24 hours per day with no downtime to limit database throughput. Normal system operations such as database backup and partial computer system failures do not interrupt database use.

CONTROLLED AVAILABILITY

ORACLE can selectively control the availability of data at the database level and sub-data base level. For example, an administrator can disallow use of the specific application so that the applications data can be reloaded, without affecting other application.

INDUSTRY ACCEPTED STANDARDS

ORACLE adheres to industry accepted standards for the data access language, operating systems, user interfaces and net work communication protocols. It is an "open" system that protects customer's investment.

MANAGEABLE SECURITY

To protect against unauthorised database access and use, ORACLE provides fail-safe security features to limit and monitor data access. These features make it easy to manage even the most complex design for data access.

DATABASE ENFORCED INTEGRITY

ORACLE enforces data integrity, "business rules" that dictate the standards for acceptable data. As a result the costs of coding and managing checks in many database applications are eliminated.

CLIENT/SERVER (DISTRIBUTED PROCESSING) ENVIRONMENTS

To take full advantage of a given computer system or network, ORACLE allows processing to be split between the database server and the client application programs. All responsibilities of shared data management can be processed by the computer running the database management system while the workstations running the database application concentrate on the interpretation and display of data.

DISTRIBUTED DATABASE SYSTEMS

For computing environments that are connected via networks, ORACLE combines the data physically located on different computers into one logical database that can be accessed by all network users. Distributed systems have the same degree of user transparency and data consistency as non-distributed system yet receive the advantages of local database management.

PORTABILITY

ORACLE software is ported to work under different operating systems and is the same on all systems.

EXISTING SYSTEM

The existing "VEHICLE MANAGEMENT SYSTEM" is in COBOL. All the master records and transaction data are stored in the database.

This system starts with quotation preparation for the customers with the simultaneous entry of personal details of the customers. After that, satisfied customers come for booking the vehicle. The dealer checks for the availability of the vehicle and his priority is allocated.

On non-availability of stock, the dealer goes for ordering in the ordering process. After verification and availability of vehicle, the bill is prepared and the amount to be paid is informed to the customer. On payments the vehicle is fold to him.

DEMERITS

Some of the demerits of the existing system are :

- * Security of the information system is low.
- * Quick replies to the queries are not possible
- * Data redundancy
- * Programming in COBOL is complex

- * Data entry is a bit difficult in 3 GL
- * The cost of coding and managing checks are there

To overcome all these factors, computerization in 4 GL becomes essential with system study.

PROPOSED SYSTEM

The proposed system has both facilities used in the old system as well as some more additional features. The important additional features are :

- * priority allocation
- * stock maintenance

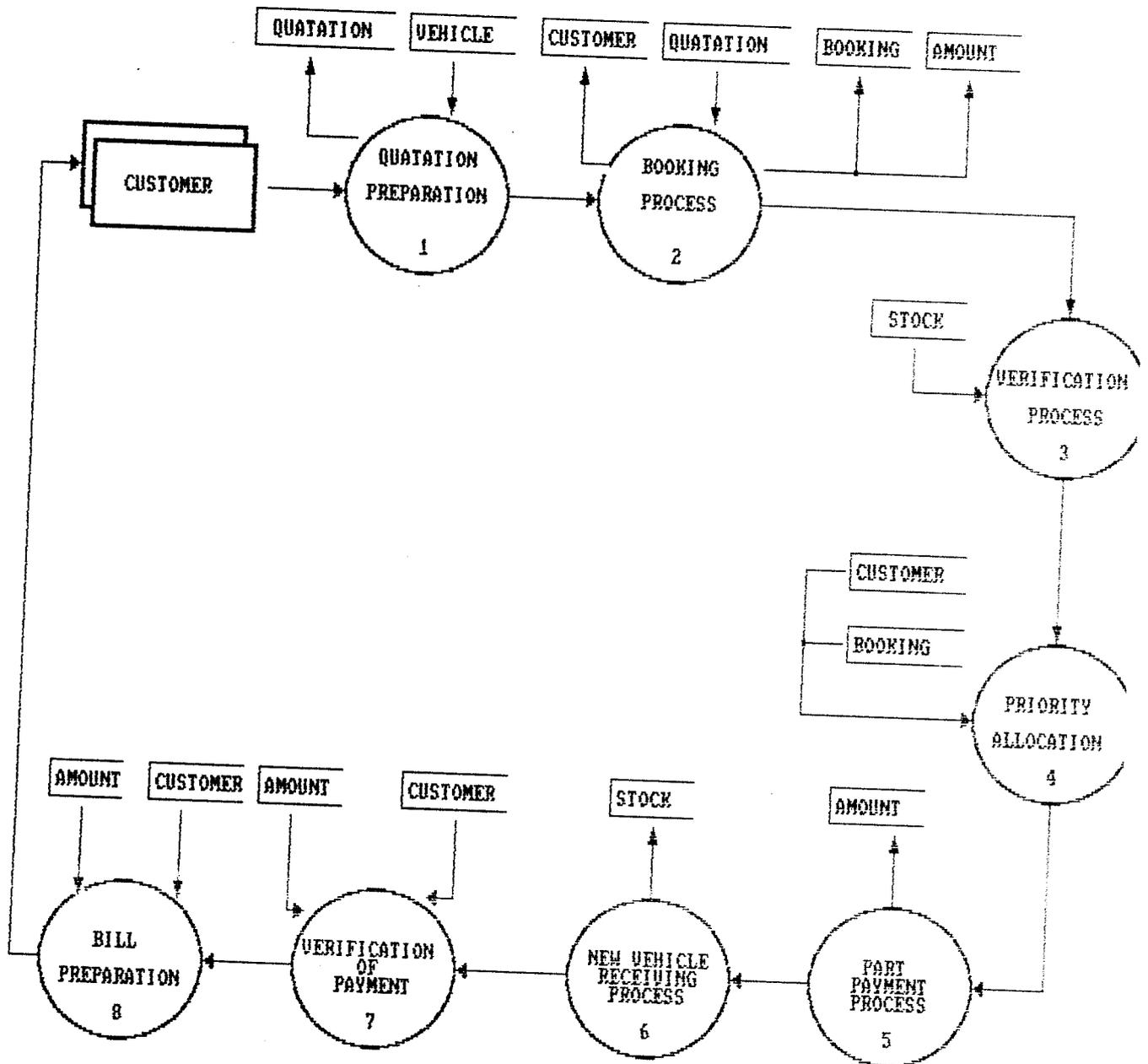
Primary allocation is made, based on customer code. And we are also considering some VIP quota, to give him a first priority. If there is no VIP, we go first come first served (FCFS) basis.

The proposed system take care of stock maintenance. In stock, we are maintaining vehicle code, total number of available vehicles, color of vehicles etc.

MERITS

- * Provides smooth and efficient running of business
- * Handling of large database
- * Time consumption is negligible, when compared to existing system and thus computerised system in 4 GL is most reliable one
- * The system is very user friendly and has scope for further development
- * Security
- * More features
- * Existing demerits are solved.

DATA FLOW DIAGRAM



OVERVIEW OF THE SYSTEM

The "VEHICLE MANAGEMENT SYSTEM" starts with quotation preparation process. Here we enter some details about customer's and vehicles. Then we go for booking process. At this time only, we considered him as a valid customer. Here also maintaining customers details and vehicle details. Then we allocate priority to the customer according to his quota (VIP or ordinary). Then we go for checking the availability of vehicle from the stock. If it is available, we go for bill preparation.

On non-availability of stock, we go for ordering the vehicle. After verification and availability of vehicle, according to the customers quota, the bill is prepared and the amount to be paid is informed to the customer. On payment, the vehicle is sold to him.

CODE DESIGN

When a large volume of data is being handled, it is important to maintain the uniquenesses of the data, so that they can be classified easily. Hence the need for coding arises.

A code is an ordered collection of symbols designed to provide unique identification to an entity or an attribute.

Data is simplified and standardized and errors can be greatly controlled.

Classifying, verifying and totaling operations can be greatly controlled.

Using ORACLE 7.0, codes can be generated automatically.

DATABASE DESIGN

The following table are used in "Vehicle Management System".

Table name : CUSMAS

Description: Customer Details

FIELD	REFERENCE	TYPE	DESCRIPTION
CUSTCODE	PRIMARY KEY	VARCHAR (10)	Customer Code
CUSTNAME		VARCHAR (30)	Customer Name
CUSTADD		VARCHAR (60)	Customer Address
CUSTPHNO		NUMBER (10)	Customer Phone Number
AREACODE		VARCHAR (4)	Area code
SMANCODE		VARCHAR (4)	Salesman code

Table Name : AREAMAS

Description: Area Master Details

FIELD	REFERENCE	TYPE	DESCRIPTION
ACODE	PRIMARY KEY	VARCHAR (4)	Area code
ADESC		VARCHAR (30)	Area Description
ADAT		DATE	Date

Table Name : COLORMAS

Description: Color Master Details

FIELD	REFERENCE	TYPE	DESCRIPTION
CCODE	PRIMARY KEY	VARCHAR (4)	Color Code
CDESC		VARCHAR (30)	Color Description
CDAT		DATE	Date

Table Name :

Description:

Table Name : SMCODE

Description: Salesman Master Details

FIELD	REFERENCE	TYPE	DESCRIPTION
SMANCODE	PRIMARY KEY	VARCHAR (4)	Salesman code
SMANNAME		VARCHAR (30)	Salesman name
SMDESC		VARCHAR (15)	Salesman's area description
SAREACD		VARCGAR (4)	Salesman area code
SDAT		DATE	Date

Table Name : VEHMAS

Description: Vehicle Master Details

FIELD	REFERENCE	TYPE	DESCRIPTION
VEHCODE	PRIMARY KEY	VARCHAR (6)	Vehicle code
VEHDESC		VARCHAR (25)	Vehicle description
VEHRATE		NUMBER (10,2)	Vehicle rate
VDATE		DATE	Date
VTAX		NUMBER (8,2)	Vehicle Tax
VINS		NUMBER (8,2)	Vehicle Insurance

Table Name : BRANCHMAS

Description: Branch Master Details

FIELD	REFERENCE	TYPE	DESCRIPTION
BRCODE	PRIMARY KEY	VARCHAR (2)	Branch code
BRTITLE		VARCHAR (25)	Branch title
BRADDR		VARCHAR (60)	Branch Address
BRPIN		VARCHAR (7)	Branch Pincode
BRFAX		VARCHAR (10)	Fax Number
BRPHNO		VARCHAR (10)	Branch Phone number
BRTELEX		VARCHAR (10)	Branch Telex

Table Name : SUPPM

Description: Supplier Master Details

FIELD	REFERENCE	TYPE	DESCRIPTION
SUPPCODE	PRIMARY KEY	VARCHAR (8)	Supplier code
SUPPNAME		VARCHAR (25)	Supplier name
SUPPADDR		VARCHAR (60)	Supplier Address
SUPPING		VARCHAR (7)	Supplier PIN code
SUPPTLX		VARCHAR (10)	Supplier Telex
SUPPFAX		VARCHAR (10)	Supplier Fax No.
SUPPPHNO		VARCHAR (12)	Supplier Phone number

Table Name : QTNHEAD

Description: Quotation Header Details

FIELD	REFERENCE	TYPE	DESCRIPTION
BRCODE		VARCHAR (2)	Customer's Branch code
QTNNO	PRIMARY KEY	NUMBER (10)	Quotation Number
QTDAT		DATE	Date
QCNAME		VARCHAR (20)	Customer's Name
QADDR		VARCHAR (60)	Customer's Address
QSMCODE		VARCHAR (4)	Customer's Salesman code
QARCODE		VARCHAR (4)	Customer's Area code
APHNO		NUMBER (10)	Customer's Phone number

Table Name : QTNDDET

Description: Quotation Details

FIELD	REFERENCE	TYPE	DESCRIPTION
BRCODE		VARCHAR (2)	Customer's Branch code
QTNNO	QTNHEAD (QTNNO)	NUMBER (10)	Quotation number
VEHCODE	VEHMAS (VEHCODE)	VARCHAR (6)	Vehicle code
RATE		NUMBER (10,2)	Vehicle's rate

Table Name : BOOKING

Description: Booking Screen Details

FIELD	REFERENCE	TYPE	DESCRIPTION
BRCODE		VARCHAR (2)	Branch code
BOOKNO	PRIMARY KEY	NUMBER (10)	Booking number
QTNNO		NUMBER (10)	Quotation number
CUSTCD	PRIMARY KEY	VARCHAR (8)	Customer code
VEHCD		VARCHAR (6)	Vehicle code
COTORCD		VARCHAR (4)	Color code
SMANCODE		VARCHAR (4)	Salesman code
TYPOFPAY		VARCHAR (1)	Type of payment
AMTPAID		NUMBER (10,2)	Amount paid
BDATE		DATE	Date

Table Name : AMOUNT

Description: Amount Details

FIELD	REFERENCE	TYPE	DESCRIPTION
CUSTCD	PRIMARY KEY	VARCHAR (8)	Customer Code
VEHCD		VARCHAR (6)	Vehicle code
AMTPAID		NUMBER (10,2)	Amount paid
BALAMT		NUMBER (10,2)	Balance amount
TOTAMT		NUMBER (10,2)	Total Amount

Table Name : PRIORITY

Description: Priority Allocation Table

FIELD	REFERENCE	TYPE	DESCRIPTION
QTN NO		NUMBER (10)	Quotation No.
BOOKNO	BOOKING (BOOKNO)	NUMBER (10)	Booking number
SENNO	PRIMARY KEY	NUMBER (10)	Seniority number
CUSTCD	BOOKING (CUSTCD)	VARCHAR (8)	Customer code
VEHCD		VARCHAR (6)	Vehicle code
TYPOFPAY		VARCHAR (1)	Type of payment

Table Name : VEHREVDHEAD

Description: Vehicle Received Header

FIELD	REFERENCE	TYPE	DESCRIPTION
VEHREVDNO	PRIMARY KEY	NUMBER (6)	Vehicle received number
SUPPCODE	SUPPM (SUPPCODE)	VARCHAR (8)	Supplier code
SINVNO		NUMBER (8)	Supplier Invoice number
SINVDT		DATE	Supplier Invoice date
GPNO		NUMBER (6)	Gatepass Number
GPDAT		DATE	Gatepass date
MODOFTRANS		VARCHAR (10)	Mode of transport
TOTAVLVEH		NUMBER (8)	Total available vehicle

Table Name : STOCK

Description: Stock Details

FIELD	REFERENCE	TYPE	DESCRIPTION
VEHREVDNO	PRIMARY KEY	NUMBER (6)	Vehicle received number
VEHCODE		VARCHAR (6)	Vehicle code
TOTAVLVEH		NUMBER (4)	Total available vehicle

Table Name : BILLING

Description: Billing Details

FIELD	REFERENCE	TYPE	DESCRIPTION
BOOKNO		NUMBER (10)	Booking number
VEHREVDNO		NUMBER (6)	Vehicle received number
CUSTCODE	AMOUNT (CUSTCODE)	VARCHAR (8)	Customer code
REVDVEH		VARCHAR (1)	Received the vehicle or not

Table Name : VEHREVDDET

Description: Vehicle Received Details

FIELD	REFERENCE	TYPE	DESCRIPTION
VEHCODE	VEHMAS (VEHCODE)	VARCHAR (6)	Vehicle code
VEHREVDNO	VEHREVDHEAD (VEHREVDNO)	NUMBER (6)	Vehicle Recieved number
TOTPVEH		NUMBER (8)	Total of particular vehicle

Table Name : PARTVEHDET

Description: Particular Vehicle Details

FIELD	REFERENCE	TYPE	DESCRIPTION
VEHREVDNO	PRIMARY KEY	NUMBER (6)	Vehicle Received number
ENO		VARCHAR (10)	Engine number
CHNO		VARCHAR (10)	Chase number
BATTNO		VARCHAR (10)	Battery number
COLOR		VARCHAR (10)	Colour of vehicle
NOESTPNY		NUMBER (2)	Number of stepney tyres
VEHCODE	VEHMAS (VEHCODE)	VARCHAR (6)	Vehicle code

PROCESS DESIGN

When the VEHICLE MANAGEMENT SYSTEMS is invoked the main menu will appear on the screen. It will display the following options.

1. Master
2. Transaction
3. Report
4. Exit

When user chooses the first option control is transferred to a sub menu containing the following master tables.

1. Product Master
2. Branch Master
3. Salesman Master
4. Area Master
5. Colour Master
6. Customer Master
7. Supplier Master

When the user chooses an option from the above submenu another submenu will be displayed as given in the next page.

1. Addition
2. Modification
3. Deletion
4. View
5. Return

If the user chooses the return option the control will be transferred to the previous menu and so on till the main menu appears. Similarly different options can be selected from the main menu for Transaction and Reports.

OUTPUT DESIGN

The Report Generation module is actually the output module of the "Vehicle Management System". This module presents the output of the processing operations in a report form that is easy to read.

The Report Generation module is accessed from the Main menu by choosing the Report option. The main menu consists of

1. Master
2. Transaction
3. Reports
4. Exit

Once choosing the third option the following are the choices available on the menu.

1. Areawise Sales Consolidation
2. Saleswise Sales Consolidation
3. Pending Order Statement with full Customer details
4. Stock Statement
5. List of Vehicles in a model received
6. Modelwise Sales
7. Bill format

Once choosing the above menu option the user is asked whether reports are required on the screen or to be directed to the file.

The addition of Reports to satisfy further user requirements is also simple task with the availability of a tool like SQL * REPORT - WRITER.

SYSTEM IMPLEMENTATION PLAN

Implementation is that stage in the project when the theoretical design is turned into a working system. The most crucial stage in achieving a new successful system and in giving confidence on the new system and effectively.

The first step in implementing the system is in getting the approval from the System Manager.

The data entry, the various menus and most important reports that the system is capable of producing is shown to the staff. This is done in view of any cast minute changes that will be necessary in the formats.

When the manager is satisfied, he is asked to give approval to the new system. Finally the system is handed over to the data entry operator.

The more complex the system being implemented, the more involved will be the system's analysis and design effort required for implementation.

SYSTEM TESTING

When all the staff have been trained, a full system test can be aimed to ensure that the system works accurately and efficiently before live operation commences.

In this phase, actual data is obtained from the schedule department and fed into the computer. After this, the output is obtained and it is compared with manually obtained data for accuracy. The reports are also tested in the same way.

Another point to be noted there is that, tests have to be carried out to see that correct read and write locks on the various tables come into action at the appropriate time, when transactions are entered from different terminals, so that concurrent operations will not destroy the integrity of the database.

CONCLUSION

The "VEHICLE MANAGEMENT SYSTEM" has been developed using the Fourth Generation Language ORACLE. The developed system was tested with sample data and the system was found to run successfully.

There are many advantages of using this new system. But we discuss some of them are :

1. The system is user friendly and gives opportunity for the user to imagine on further developments and enhancements of the existing system.
2. The system is developed so that, it can be operated by a user who don't have any computer knowledge.
3. As ORACLE 7.0 is used, the speed and efficiency of the system is considerably increased and the system can maintain the data considerably well.

BIBLIOGRAPHY

1. Analysis and Design of Information Systems
- JAMES A.SENN
2. Understanding ORACLE
- JAMES T.PERRY & JESEPH G.LATEER
3. Mastering ORACLE 7.0 (Client/Server)
- STEVEN BOBROWSKI
4. ORACLE Manuals
 - Concept Manual
 - SQL * PLUS Manual
 - SQL * FORMS Manual
 - SQL * MENU Manual
 - PL/SQL Manual
 - SQL * REPORT WRITER Manual
5. Advanced UNIX
- VIJAY MUKHI

TVS & SONS
VEHICLE MANAGEMENT SYSTEM

1. MASTER
2. TRANSACTION
3. REPORTS
4. EXIT

Enter your choice : _____

TVS & SONS
VEHICLE MANAGEMENT SYSTEM

1. PRODUCT MASTER
2. BRANCH MASTER
3. SALESMAN MASTER
4. AREA MASTER
5. COLOUR MASTER
6. CUSTOMER MASTER
7. SUPPLIER MASTER

Enter your choice : _____

TVS & SONS
VEHICLE MANAGEMENT SYSTEM

PRODUCT MASTER ADDITION SCREEN

Vehicle Code : _____ Date : _____

Description : _____

Do you want to continue (Y/N) _____

Do you want to save (Y/N) _____

TVS & SONS
VEHICLE MANAGEMENT SYSTEM

PRODUCT MASTER MODIFICATION SCREEN

Vehicle Code : _____

Date : _____

Description : _____

Do you want to save the modified record (Y/N) _____

Do you want to continue (Y/N) _____

TVS & SONS
VEHICLE MANAGEMENT SYSTEM
PRODUCT MASTER DELETION SCREEN

Vehicle code : _____

Date : _____

Description : _____

Are you sure to delete this record (Y/N) _____

Do you want to continue (Y/N) _____

TVS & SONS

VEHICLE MANAGEMENT SYSTEM

PRODUCT MASTER VIEW SCREEN

Vehicle code : _____

Date : _____

Description : _____

Do you want to proceed next (Y/N) _____

TVS & SONS

VEHICLE MANAGEMENT SYSTEM

BRANCH MASTER ADDITION SCREEN

Branch code : _____

Date : _____

Title : _____

Address : _____

Pin : _____

Fax : _____

Phone No. : _____

Telex : _____

Do you want to continue (Y/N) _____

Do you want to save (Y/N) _____

TVS & SONS

VEHICLE MANAGEMENT SYSTEM

BRANCH MASTER MODIFICATION SCREEN

Branch Code : _____ Date : _____
Title : _____
Address : _____
Pin : _____
Fax : _____
Phone no. : _____
Telex : _____

Do you want to save the modified record (Y/N) _____

Do you want to continue (Y/N) _____

TVS & SONS

VEHICLE MANAGEMENT SYSTEM

BRANCH MASTER DELETION SCREEN

Branch Code : _____ Date : _____
Title : _____
Address : _____
Pin : _____
Fax : _____
Phone no. : _____
Telex : _____

Do you want to delete this record (Y/N) _____

Do you want to continue (Y/N) _____

TVS & SONS
VEHICLE MANAGEMENT SYSTEM
BRANCH MASTER VIEW SCREEN

Branch Code : _____
Title : _____ Date : _____
Address : _____
Pin : _____
Fax : _____
Phone no. : _____
Telex : _____

Do you want to proceed further (Y/N) _____

TVS & SONS

VEHICLE MANAGEMENT SYSTEM

SALESMAN MASTER ADDITION SCREEN

Salesman Code : _____

Date : _____

Name : _____

Area code : _____

Descriptin : _____

Do you want to save (Y/N) _____

Do you want to continue (Y/N) _____

TVS & SONS

VEHICLE MANAGEMENT SYSTEM

SALESMAN MASTER MODIFICATION SCREEN

Salesman Code : _____

Date : _____

Name : _____

Area Code : _____

Description : _____

Do you want to save the modified record (Y/N) _____

Do you want to continue (Y/N) _____

TVS & SONS

VEHICLE MANAGEMENT SYSTEM

SALESMAN MASTER DELETION SCREEN

Salesman Code : _____

Name : _____

Date : _____

Area Code : _____

Description : _____

Are you sure to delete this record (Y/N) _____

Do you want to continue (Y/N) _____

TVS & SONS

VEHICLE MANAGEMENT SYSTEM

SALESMAN MASTER VIEW SCREEN

Salesman Code : _____

Date : _____

Name : _____

Area Code : _____

Description : _____

Do you want to proceed further (Y/N) _____

TVS & SONS

VEHICLE MANAGEMENT SYSTEM

AREA MASTER ADDITION SCREEN

Area code : _____

Date : _____

Description : _____

Do you want to save (Y/N) _____

Do you want to continue (Y/N) _____

TVS & SONS

VEHICLE MANAGEMENT SYSTEM

AREA MASTER MODIFICATION SCREEN

Area code : _____

Date : _____

Description : _____

Do you want to save the modified record (Y/N) _____

Do you want to continue (Y/N) _____

TVS & SONS

VEHICLE MANAGEMENT SYSTEM

AREA MASTER DELETION SCREEN

Area code : _____

Date : _____

Description : _____

Do you sure to delete this record (Y/N) _____

Do you want to continue (Y/N) _____

TVS & SONS

VEHICLE MANAGEMENT SYSTEM

AREA MASTER VIEW SCREEN

Area code : _____

Date : _____

Description : _____

Do you want to proceed further (Y/N) _____

TVS & SONS

VEHICLE MANAGEMENT SYSTEM

COLOUR MASTER ADDITION SCREEN

Colour code : _____

Date : _____

Description : _____

Do you want to save (Y/N) _____

Do you want to continue (Y/N) _____

TVS & SONS

VEHICLE MANAGEMENT SYSTEM

COLOUR MASTER MODIFICATION SCREEN

Colour code : _____

Date : _____

Description : _____

Do you want to save the modified record (Y/N) _____

Do you want to continue (Y/N) _____

TVS & SONS

VEHICLE MANAGEMENT SYSTEM

COLOUR MASTER VIEW SCREEN

Colour code : _____

Date : _____

Description : _____

Do you want to proceed further (Y/N) _____

TVS & SONS

VEHICLE MANAGEMENT SYSTEM

CUSTOMER MASTER MODIFICATION SCREEN

Customer code : _____

Date : _____

Name : _____

Address : _____

Phone number : _____

Area code : _____

Salesman code : _____

Do you want to save the modified record (Y/N) _____

Do you want to continue (Y/N) _____

TVS & SONS

VEHICLE MANAGEMENT SYSTEM

CUSTOMER MASTER DELETION SCREEN

Customer code : _____ Date : _____
Name : _____
Address : _____
Phone number : _____
Area code : _____
Salesman code : _____

Do you sure to delete this record (Y/N) _____

Do you want to continue (Y/N) _____

TVS & SONS

VEHICLE MANAGEMENT SYSTEM

CUSTOMER MASTER VIEW SCREEN

Customer code : _____ Date : _____

Name : _____

Address : _____

PIN : _____

Phone number : _____

Area code : _____

Salesman code : _____

Do you want to process further (Y/N) _____

TVS & SONS

VEHICLE MANAGEMENT SYSTEM

SUPPLIER MASTER ADDITION SCREEN

Supplier code : _____

Date : _____

Name : _____

Address : _____

Pin : _____

Fax : _____

Telex : _____

Do you want to save (Y/N) _____

Do you want to continue (Y/N) _____

TVS & SONS

VEHICLE MANAGEMENT SYSTEM

SUPPLIER MASTER MODIFICATION SCREEN

Supplier code : _____

Date : _____

Name : _____

Address : _____

PIN : _____

Phone number : _____

Fax : _____

Telex : _____

Do you want to save the modified record (Y/N) _____

Do you want to continue (Y/N) _____

TVS & SONS

VEHICLE MANAGEMENT SYSTEM

SUPPLIER MASTER DELETION SCREEN

Supplier code : _____ Date : _____
Name : _____
Address : _____
PIN : _____
Phone number : _____
Fax : _____
Telex : _____

Are you sure to delete this record (Y/N) _____

Do you want to continue (Y/N) _____

TVS & SONS

VEHICLE MANAGEMENT SYSTEM

SUPPLIER MASTER VIEW SCREEN

Supplier code : _____

Date : _____

Name : _____

Address : _____

PIN : _____

Phone number : _____

Fax : _____

Telex : _____

Do you want to proceed further (Y/N) _____

QUATATION ENTRY SCREEN

T.V.Sundaram Iyengar & Sons

TVS

Quatation No : _____

Date : _____

Customer Name : _____

Address : _____

PIN : _____

Phone number : _____

Area code : _____

Area Description : _____

Salesman code : _____

Salesman name : _____

Sl.No.	Product code	Description	Value
1.	014100	ASHOK LAYLAND	342543

Any more vehicle (Y/N) _____

Save (Y/N) _____

BOOKING SCREEN

T.V.Sundaram Iyengar & Sons

VMS

Booking No : _____

Date : _____

Enter the quotation No. _____

Customer code : _____

Name : _____

Address : _____

PIN : _____

Phone number : _____

Vehicle code : _____

Salesman code : _____

Type of pay (I/F) : _____

Amount : _____

Do you want to save (Y/N) : _____

Do you want to continue (Y/N) : _____

TVS & SONS
MADURAI
SALESMANWISE REPORT

Date : 10/5/96

Salesman code : 3S12

Name : S.MANI

Area code : 3A10

Description : North

SL.NO.	VEHICLE	NO. OF VEHICLE	DATE	AMOUNT
1.	014100	1	06-04-96	3,23,975.00
2.	013102	2	05-05-96	6,51,120.00
3.	014103	1	09-05-96	3,54,705.00
			TOTAL	13,29,800.00

TVS & SONS

MADURAI

PENDING ORDER WITH FULL CUSTOMER DETAILS

SL.NO.	CUSTCODE	ADDRESS	VEHCODE	BOOKING DATE
1.	CC03P01	22, Nehru St., Avinashi Rd., CBE - 11.	014100	06-04-96
2.	CC03J02	11/2A, Gandhi St., Mettupalayam Rd., North Kovai, CBE - 7.	013102	05-05-96
3.	CC03A03	40, National Airport Quarters, Peelmedu Airport, CBE - 14.	013102	05-05-96

TVS & SONS
MADURAI
STOCK STATEMENT

DATE : 12-06-96

SL.NO.	VEHICLE CODE	TOTAL VEHICLE
1.	014100	0
2.	013102	0
3.	013100	2
4.	013101	3
5.	014102	2

TVS & SONS

MADURAI

LIST OF VEHICLES IN A MODEL RECEIVED

DATE : 29-06-96

MODE OF TRANSPORT : LORRY

RECEIVED
NUMBER : 1

SL.NO.	VEHCODE	TOT. VEHICLES RECEIVED
1.	014100	5
2.	013102	6
3.	014101	3
4.	014102	2
5.	013101	5

TVS & SONS
MADURAI
MODELWISE SALES

DATE : 30-06-96

SL.NO.	VEHICLE CODE	NO. OF VEHICLES SOLD
1.	014100	1
2.	013102	2
3.	014103	1

TVS & SONS
MADURAI
AREAWISE REPORT

Date : 10/5/96

Area code : 3A10

Description : NORTH

SL.NO.	SALESMAN CODE	TOTAL VEHICLES	AMOUNT
1.	3S10	1	3,32,450.00
2.	3S22	2	6,66,920.00
3.	3S12	4	13,29,800.00
		Total	23,29,170.00

BILL FORMAT

CUSTOMER NAME : PETER
CUSTOMER CODE : CC03P01
ADDRESS : 22, Nehru Street,
Avinashi Road,
CBE - 1.
VEHICLE RECEIVED: YES
VEHICLE CODE : 014100
BALANCE AMOUNT : 0
FULL AMOUNT PAID : YES
NO. OF INSTALMENTS : 3
TOTAL AMOUNT : 333975

WELCOME