CERTIFICATE

P - 579

This is to certify that the project work entitled

E-PROCUREMENT

Submitted to the

Department of Computer Science and Engineering
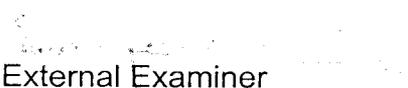
Kumaraguru College of Technology

in partial fulfillment of the requirements for the award of the degree of Master of Computer applications is a record of original work done by Ms.Savitha N, Reg.No. 9838MO517 during her period of study in the Department of Computer Science and Engineering, Kumaraguru College of Technology, Coimbatore under my supervision and this project work has not formed the basis of award of any Degree/Diploma Associateship/Fellowship or similar title to any candidate of any University.

Professor and Head

Staff-in-charge

Submitted to University Examination held on ----------------------

Internal Examiner 11/05/24

External Examiner

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms.N.SAVITHA,** Final year Student of Master of Computer Applications from Kumaraguru College of Technology, Coimbatore, has successfully completed her project work titled **"E-PROCUREMENT"** in our organisation during the period December 2000 to April 2001 under the guidance of Mr.Senthil Chinnappa.

Place: Coimbatore
Date : April 3, 2001

ᒪ **(T.Mani)**
Managing Director

DECLARATION

I, **Savitha N** hereby declare that the project entitled "**E-Procurement** ", submitted to **Kumaraguru College Of Technology**(Affiliated to Bharathiar University) as the project work of **Master of Computer Applications Degree**, is a record of original work done by me under the guidance of **Mr. K.R. Baskaran, Assistant Professor, Kumaraguru College of Technology, Coimbatore** and this project work has not found the basis for the award of any Degree/Diploma/ Associateship/Fellowship or similar title to any candidate of any university.

Countersigned by: Staff in charge

Mr.K.R.Baskaran,B.E.,M.S.,
Assistant Professor,
Department of Computer Science & Engineering
Kumaraguru College of Technology
Coimbatore – 641006

Place:Coimbatore

Date: 11-05-2001

N.Savitha

Acknowledgement

ACKNOWLEDGEMENT

I wish to express my deep sense of gratitude to all those people who have given me a helping hand in completing my project.

With most pride and privilege I would like to thank our Principal **Dr.K.K.Padmanabhan, B.Sc., (Engg), M.Tech., Ph.D.,** Kumaraguru College of Technology, Coimbatore.

I would like to extend my gratitude to **Dr.S.Thangaswamy, BE.,(Hons)., Ph.D.,** Professor, Head of the Department of Computer Science and Engineering for his valuable guidance.

My heartfelt thanks to my guide **Mr.K.R.Baskaran, B.E., M.S.,** Assistant Professor, Department of Computer Science and Engineering, for his able guidance and encouragement throughout the course of the project.

I would like to thank **Mr.T.Mani, Managing Director,** Kalpatharu Software Services Limited, Coimbatore for permitting me to take up this project.

I would express my sincere gratitude to **Mr.N.Senthil Chinnappa** who offered exemplary help and support in this project.

Last but not the least, I would like to thank all my friends who have helped me a great deal to complete this work.

N.Savitha

Synopsis

SYNOPSIS

The need of the hour in this information age is to provide information with special emphasis laid on its accuracy, availability, efficiency and effectiveness. The existing system developed is not fast means of communication and has some disadvantages. To overcome these limitations a complete comprehensive package has been developed. As the data involved in this information system is enormous this package acts as an effective method.

The full use of this powerful communication tool would benefit the users. The application "E-PROCUREMENT" will allow the users for doing business quickly so that the benefits are more. These maintain activities like storing all the information of the vendors for easy retrieval of information allows data manipulation and provide necessary reports.

This application helps in easy access of information at any time using HTML files for basic information and uses JDBC for database connectivity. The forms are displayed using Servlets and validations are done using JavaScript.

*Dedicated
to My
Beloved Parents*

Contents

CONTENTS

Introduction

1. INTRODUCTION

1.1 PROJECT OVERVIEW:

The project deals with material management system in particular with purchase order system. This is developed in Java Servlets as Front end and SQL Server as back end. The users can login or register themselves. On registering the user will be provided an ID, if he meets the company requirements. This will be sent to him through mail. On receiving the ID the user will be able to login. This project is divided into seven modules.

- ♣ Submit Quotation

- ♣ Purchase Order

- ♣ Recent PO Amendments

- ♣ Delivery Schedule

- ♣ Goods Receipt

- ♣ Payment Details

- ♣ Supplier Ratings

The user on logging in will be able to submit his quotation. On seeing the quotation the company will place the purchase order. The user can view his purchase order details for which and all products the order has been placed. On receiving the purchase order the user will send the required products. Suppose the rate for a particular product is increased the company will make a recent amendment.

The delivery details can be viewed for date wise, item wise, month wise. In date wise the details will be viewed between the from and to date. In item wise the details will be specified according to the item and also the same in month wise order.

The Goods Receipt details can be viewed for date wise, challan number range, challan date range. In date wise the details can be viewed between the from and to date. In challan number range and date range the details will be displayed between the ranges.

The Payment details can be viewed for date wise, invoice number range, invoice date range, debit note details. In invoice number and date range the details will be displayed between the ranges and also the debit note details will be viewed.

The Supplier ratings will be calculated for overall products of each supplier.

The user can provide his views in the feedback and then if he wishes he can logout.

1.2 ORGANIZATION PROFILE:

Kalpatharu Software Limited is a Coimbatore based leader in providing IT consulting and software services to the corporate customers in India and to the finest global organizations. They offer software services such as application development, software maintenance, web development and e-business solutions for our customers.

Based on these services our solutions focus on addressing business challenges across different horizontal applications and target vertical industries.

The vision of the company is to be a world class software solution provider, enabling progress and continued excellence through cost effective software development and value added IT services.

Their Strengths are state-of-the-art infrastructure, well-qualified and experienced professional team, a strong and committed management team, Professional work culture, Exceeding customer expectations, Comprehensive IT solutions.

They provide services like software development, high-end Software training, Overseas professional placement, legal software reseller, consultancy services.

Kalpatharu provides customized software development solutions to organizations of all segments. Kalpatharu has expertise in providing system-Life-Cycle solution right from conceptualization to post implementation support. They also offer High-end Software Training in association with ASSET International (a division of APTECH LTD) in preparing Global Software Professionals.

Kalpatharu places Software Professionals to the global customers in association with strategic partner worldwide. They resell world-renowned software packages of customer needs. It is a leading Total solution provider to medium and large organizations through their consultancy services.

Kalpatharu has successfully implemented its textile mill ERP Software for the world class spinning mills at Indonesia and Philippines.

They have international business associates throughout USA, Europe and Asia Pacific. These associates are technomarketing companies having presence in their region. They are strategically located and seasoned enough to handle major Software development assignments.Kalpatharu serves as an offshore development facility for its overseas clients.

System Study & Analysis

2.SYSTEM STUDY AND ANALYSIS

2.1 EXISTING SYSTEM

The existing system is in Visual Basic and Oracle. Kalpatharu being a company of high quality and a company of great market value has decided to provide a software where online business can take place on the web so that the user need not suffer from doing business in the same place. He can extend his business worldwide.

Some of the drawbacks of the existing system:

- Updated information is not available to the user.

- The user is not able to receive his order on time.

- The user doesn't know whether amendment has been made for the particular product.

- Time consuming process.

2.2 PROPOSED SYSTEM

The proposed system is

- User friendly

- It assists the user with respective message to overcome the errors at runtime.This may help the end user to obtain necessary information

- Efficient utilization of resources.

- Reduces wastage of time and is better way of maintaining information.

- Reports are generated and submitted to the respective authorities for better decision making.
- System is designed with the help of screens to help the end user.
- Easily accessible.

Considering the need for expanding the business for a powerful, secure, Internet approach system, ht e system is proposed to be developed by using JSDK2.0 as front end tools and SQL Server as backend tool on a Windows Platform. JDBC Programming is used for database connectivity. Java and HTML is powerful for developing Internet oriented applications.

In order to overcome the drawbacks in the existing system, it has decided to create a database, which is

- Integrated
- Sharable
- Reliable
- Consistent
- Flexible
- Secure

This database

- Helps in speedy information retrieval.
- Extracts information from various tables in a single query.
- Offers options of on-line updating which aid in maintaining up to date information.

- Response to various queries made at the different management levels.

2.3 REQUIREMENT ON NEW SYSTEM

This software enables the users doing their business online, so that they need not worry about the quotation being placed has reached or not or how many days it may take the postal to reach. The users place their quotation and when they receive their orders the user may be able to immediately send the required products.

The new system should be in such a way that the users can easily access or retrieve information for the particular details needed by them. The information provided should be useful and the details should be highly secured so that other users need not access.

The quotation placed by the users will be immediately attended and response will be displayed. The users can view their purchase orders placed by the company. On any product need to be amended will take place immediately so that the account details can be recorded properly.

The users according to their date, month and item wise can view the delivery schedule. The users will easily view the receipt details. The ratings of each user can be viewed through the graph.

2.4 USER CHARACTERISTICS

The users can easily operate the system. The necessary information provided can be easily accessed so that any difficulties will not be met. The details will be immediately attended so that the user need not experience any inconvenience.

Programming Environment

3.PROGRAMMING ENVIRONMENT

3.1 HARDWARE CONFIGURATION:

Processor Pentium III 800MB

Cache Memory 512 KB

64 MB RAM

Hard Disk Drive 20 GB

Floppy Disk Drive 1.44 MB

Monitor Samsung

keyboard Samsung 104

Mouse Logitech 3 Button serial

3.2 DESIGN SOFTWARE AND TOOLS:

Operating Systems: Windows 98,NT

Development Tool: HTML, JavaScript

Database: SQL Server.

Basic Language: Java Servlets

3.2.1 OPERATING SYSTEM: WINDOWS

Windows is Microsoft's DOS GUI (Graphical User Interface) that provides a large, complex and flexible environment. It provides extensive graphics support so that applications need not restore to by passing the basic system for graphics.

It provides standard graphics functions that are fast. Windows lift many obstacles to the full usage of the PC. It brings the PC user interface close to a Macintosh but nevertheless retains the advantage of the PC's massive applications base as well as superseding Macs with powerful multitasking support features.

3.2.2 BROWSER

A Web browser is a application which is used to view and navigate the pages on World Wide Web. Any web browser is two fold: Given a pointer to a piece of information on the Net (URL), the browser has to be able to access that information or operate in same way based on the contents of the pointer. Browser is the application used to access any Hyper Text Markup Language (HTML) based information. That information usually called pages can be on the Internet or on an Intranet. A Browser is able to interpret HTML coding, called styles or tags. Using those codes to format and layout the information in a window for the users to see. In addition to HTML, browsers can interpret and display information stored in other formats, including sounds, graphics etc. The common browser elements are

- ♉ Tool Bars
- ♉ Icons
- ♉ Menus and Dialog boxes

Internet Explorer is a Java enabled browser. The standards of explorer provide support to HTML, graphics, plug-ins and Java script. A Java enabled web browser contains its own virtual machine.

3.2.3 SQL SERVER

SQL server is a client/server relational database management system (RDBMS) that uses Transact-SQL to send request between a client and SQL server. SQL server can work with thousands of client application simultaneously. It is also capable of working as a stand-alone database directly on the client. SQL server uses Transact-SQL as its database query and programming language.

SQL server services:

The SQL server services include MSSQL server, SQL server, Agents, Microsoft Distributed Transaction coordinator (MSDTC) and Microsoft search. The MSSQL server service is the database engine. It processes all Transact-SQL statements and manages all files that comprise the database on the server.

SQL server Architecture:

SQL server simplifies the development, deployment, maintenance and management of the database application with its redesigned architecture.

Elements of transact-SQL:

The various Transact-SQL statements by SQL server are classified as DDL, DML and DCL statements.

1. Data Definition Language

   - Create

   - Drop

   - Alter

2. Data Manipulation Language

   - Select

   - Insert

   - Update

   - Delete

3. Data Control Language

   - Grant

   - Deny

   - Revoke

Features of SQL server Query Analyzer:

➤ Free-form text editor for keying in Transact-SQL statements.

➤ Color coding of Transact-SQL syntax to improve the readability of complex statement.

➤ Results presented in either a grid or a free-form text window.

➤ Graphical diagram of the showplan information showing the logical steps built into the execution plan of a Transact-SQL statement.

> This allows programmers to determine what specific part of a poorly performing query is using a lot of resources. They can then explore changing the query in ways that minimize the resource usage while still returning the desired data.

> Index Tuning Wizard to analyze a Transact-SQL statement and the tables it references to see if adding additional indexes will improve the performance of the query.

Managing Transactions:

A transaction is a single unit of work. A set of operations forms a transaction. In a transaction, either all the operations are completed or none of them are completed. SQL server operates in three transaction modes:

1. **Autocommit Transactions:** Each individual statement is a transaction.

2. **Explicit Transactions:** Explicit transaction is explicitly started with the Begin Transaction statement, and explicitly ended with a Commit transaction or Rollback Transaction.

3. **Implicit Transactions:** A new transaction is implicitly started when the prior transaction completes, but each transaction is explicitly completed with a Commit Transaction or Rollback Transaction.

Applications are written to access SQL server through a database. Application programming Interface (API). SQL server supports distributed queries by using OLE DB, the Microsoft specification of an application programming interface (API) for universal data access.

The OLE DB data source can be accessed from SQL Server using an ad hoc query or a linked query. A linked server is a virtual server that has been defined to SQL Server with all the information needed to access an OLE DB data source.

3.2.4 JAVA

Java was developed in the year 1990 by Sun Microsystems Chief researchers Patrick Naughton, Bill Joys and James Gosling. James Gosling is called the father of Java. Initially, Java was named as OAK.

Java can be defined as a simple, Object Oriented, distributed and interpreted robust, secure, architecture neutral, portable, high performance, and multithreaded and dynamic language.

JAVA SERVLETS:

Servlets provide a JavaTM-based solution used to address the problems currently associated with doing server-side programming, including inextensible scripting solutions, platform-specific APIs, and incomplete interfaces. Servlets are objects that conform to specific interface that can be plugged into a Java-based server.Servlets are to the server side what applets are to the client side— object bytecodes that can be dynamically loaded off the net.

They differ from applets in that they are faceless objects (without graphics or GUI component). They serve as platform-independent, dynamically loadable, pluggable helper bytecode objects on the server side that can be used to dynamically extend server-side functionality.

14

For example, an HTTP servlet can be used to generate dynamic HTML content.When you use servlets to do dynamic content you get the following advantages:

&; They are faster and cleaner than CGI scripts

&; They use a standard API(the Servlet API)

&; They provide all the advantages of Java(run on a variety of servers without needing to be rewritten)

The Attractiveness of Servlets:

There are many features of servlets that make them easy and attractive to use.

Servlets are:

Easily configured using the GUI-based Administration Tool.

Loaded and invoked from a local disk or remotely across the network.

Linked together, or chained, so tat one servlet can call another servlet, or several servlets in sequence.

Called dynamically from within HTML pages, using server-side include tags.

JAVA AND INTERNET

Java is strongly associated with the Internet because of the fact that the first application program written in Java was HotJava, a Web browser to run applets on Internet.

The Java Standard Library includes hundreds of classes and methods grouped into six functional packages.

- ⚘ Language Support Package: A collection of classes and methods required for implementing basic features of Java.

- ⚘ Utilities Package: A collection of classes to provide utility functions such as date and time functions.

- ⚘ Input/Output Package: A collection of classes required for input/output manipulation.

- ⚘ Networking Package: A collection of classes for communicating with other computers via Internet.

- ⚘ AWT Package: The Abstract Window Toolkit package contains classes that implement platform-independent graphical user interface.

- ⚘ Applet Package: This includes a set of classes that allows us to create Java applets.

JAVA VIRTUAL MACHINE

All language compilers translate source code into machine code for a specific computer. Java compiler also does the same thing. Then, how does Java achieve architecture neutrality? The answer is that the Java compiler produces an intermediate code known as byte code for a machine that does not exist. This machine is called the Java Virtual machine and it exists only inside the computer memory.

It is a simulated computer within the computer and does all major functions of a real computer. The following figure illustrates the process of compiling a Java program into bytecode, which is also referred to as virtual machine code.

```
┌──────────┐        ┌──────────┐        ┌──────────┐
│ Java     │        │ Java     │        │ Virtual  │
│ Program  │ ─────▶ │ Compiler │ ─────▶ │ Machine  │
└──────────┘        └──────────┘        └──────────┘
  Source Code                             Byte Code
```
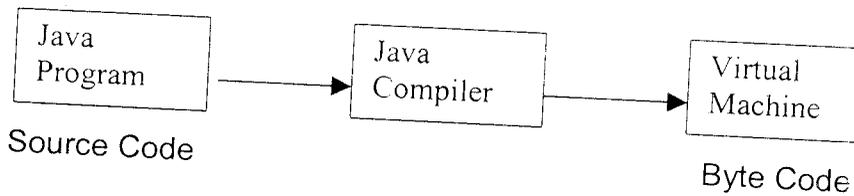
The virtual code is not machine specific.The Java interpreter generates the machine specific code(Known as machine code) by acting as an intermediary between the virtual machine and the real machine as shown in the following figure.

```
┌──────────┐        ┌──────────┐        ┌──────────┐
│ Bytecode │        │ Java     │        │ Machine  │
│          │ ─────▶ │Interpreter│ ────▶ │ Code     │
└──────────┘        └──────────┘        └──────────┘
 Virtual Machine                        Virtual Machine
```
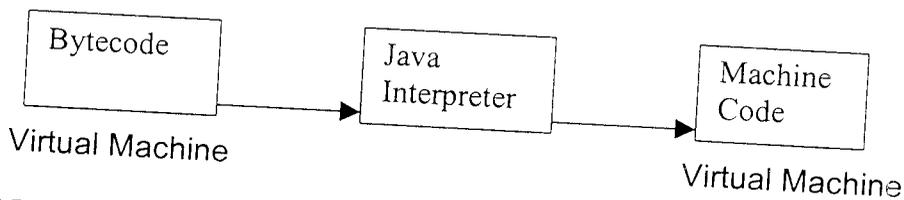
JAVA DATABASE CONNECTIVITY

Java database connectivity (JDBC) is an application programmer interface (API) for linking Java programs to Databases.JDBC quite similar to Microsoft's Open Database Connectivity (ODBC) standard. A human-specific driver is used to link JDBC applications to the actual database.

17

A JDBC-ODBC bridge was released by SUN in 1996.This bridge gives the JDBC the ability to interface with large number of existing ODBC drivers. JDBC is likely to be critical to the industry acceptance of Java as corporate client/server development tool.
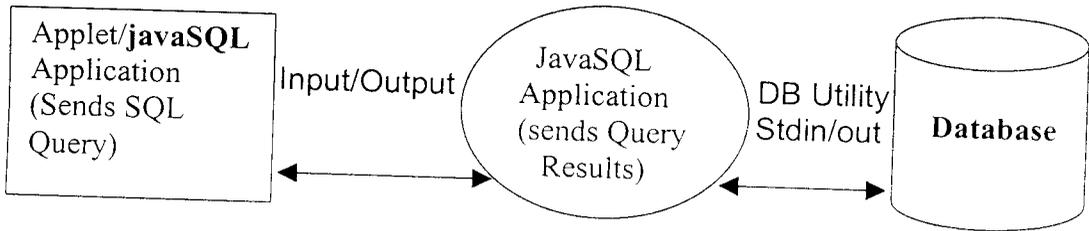
JDBC COMPONENTS

In general there are two levels of interface in the JDBC API ; the application layer where the developer wants the API to make calls to the database via SQL and driver retrieve results and the Driver layer which handles all the communication with a specific driver implementation.

DRIVER LAYER

The driver class is an interface implemented by the driver human. The other important class is the driver manager alias, which sits between the driver and application layers. The driver manager is responsible for loading and unloading drivers and making connections through drivers. The driver manager also provides for logging and database login timeouts.

APPLICATION LAYER

The application layer encompasses three interfaces that are implemented at the driver layer but are developed by the application developer.

The three main interfaces are connection, statement and resultset. A connection object is obtained from the driver manager by using the getConnection( ) method call. Once a connection object is returned the application developer may create a statement object to issue against the database. The result of the statement is a result-set object, which contains the results of the particular statement.

CONNECTION BASIS

The connection interface represents a session with the database connection provided by the driver. Typical database connection includes the ability to control changes made to the actual data through the transactions. The primary use of the connection interface is to create a statement, which is as follows:

Connection con = null;

Statement stmt = null;

Con = DriverManager.getConnection (URL);

Stmt = Con.createStatement ( );

This statement may be used to send SQL statements that return a single result in a resultant object reference. Called statements are known as prepared statements. The connection interface is also used to create a callable statement whose purpose is to execute stored procedures.

STATEMENT BASIS

A statement is the vehicle for sending SQL queries to the database and retrieving a set of results. Statement may or may not return a resultset object, depending on the statement method used. The executeUpdate( ) method is used to execute SQL statements that do not expect a result. SQL statements that return a set of results can use the executeQuery( ) method. This method returns a single resultset object. The execute( ) method is a general method that can return either a single result set or multiple result sets. The method returns a Boolean flag that is used to determine whether there is more result sets.

RESULTSET BASIS

The result set interface defines methods for accessing tables of data generated as a result of executing a statement. Result set column values may be accessed in any order. They are indexed and may be selected by either the name or the number of column. Result set maintains the position of the current row starting with the first row of the data returned. The next( ) method moves to the next row of data.

RESULTSET METADATA

Besides being able to read data from a resultset object, JDBC provides an interface to allow a developer to determine what type of data was returned.

The Resultset Meta-Data(RMD) interface is similar to Database MetaData interface in concept but it is specific to the current Resultset MetaData is useful in dynamically determining the MetaData of the Resultset returned from a stored procedure.

JDBC DRIVERS

The JDBC-ODBC Bridge is a driver that provides translation of JDBC interface classes. Because ODBC calls a remade using binary C calls. the client side libraries. For these reasons, Java soft recommends that the JDBC-ODBC Bridge not to be used for Web based database access, the developer must distribute the Java program to the client machines as either a Java application.

3.2.5 HYPERTEXT MARKUP LANGUAGE

HYPERTEXT

Hypertext is ordinary text that has been dressed up with extra features such as formatting, imaging, multimedia and links to other documents.

MARKUP

Markup is the process of taking ordinary text and adding extra symbols. Each of the symbols used for markup in HTML is a command that tells a browser how to display the text. Markup can be very simple or it can be very complicated. Either way, the underlined text being marked up is always present and viewable.

LANGUAGE

It is actually a key point to remember about HTML. HTML is a computer language related to the programming languages like BASIC, C etc., HTML has its own syntax, slang and rules for proper communication.

The main goal of HTML is to be a universal language for classifying the function of different section of a document, i.e. which part of document is an address, title etc. HTML is neither a page layout language not printing language. The main function of HTML is that to classify the parts of documents so that browser can display it correctly. It is designed to work on a variety of platforms. Tags are used in HTML. Generally a tag is a unit of markup, a set of symbols defined in HTML to have a special meaning. Tags start with a '<' symbol followed by a key word and conclude with a '>' symbol. These symbols are known as angle brackets. E.g. <TITLE><BODY> Tags are not sensitive. The advantages of HTML are

- Flexibility
- Deeper understanding
- Trouble shooting
- Price
- Independence

3.2.6 WEB SERVER

The web server is a program that resides on a machine on the net waiting for a web browser to connect to it and make request. Once a request comes over the net, the server locates and sends the file back to the browser.

Web server and web browser communicate using Hypertext Transfer Protocol (HTTP), a special "language" created specifically for transferring hypertext documents on the web. Web servers are often called HTTD servers ("D" stands for daemon and daemon is UNIX term for a program that resides in the background and waits for requests).

When a server sends a file to browsers the server also sends information about what kind of file it is sending. Web server can also be setup to run scripts and programs based on information provided from browsers.

- ☞ Publishing a home page on the Intranet for your business.
- ☞ Publishing catalogs and take orders from customers.
- ☞ Publish interactive programs.
- ☞ Provide your remote sales force easy to your sales database.
- ☞ Use an order-tracking database.

3.2.7 JAVASCRIPT

JavaScript is an object based scripting language designed for creating online applications that link together objects and resources on both clients and servers. JavaScript is designed for use by HTML developers to dynamically script the behavior of objects running on either client or server.

23

JavaScript is tightly connected to browser objects. Therefore, it provides a great amount of control over forms in HTML. Form related scripts could validate the form's fields before it is submitted and cancels the submission to the server if an error is found and backs to the client. This is the important feature of JavaScript. If the validity is not checked, the server will give error message to the client. The client has to correct the form and submit again. The repeated processing like this will increase the network traffic and overall performance of the system will be down. Thus using JavaScript will improve the performance of the system.

System Design & Development

4.SYSTEM DESIGN AND DEVELOPMENT

Software design is an iterative process through which requirements are translated in to a "blue print" for constructing the software. Initially, the blue print depicts a holistic view of software. That is, the design is represented at a high level of abstraction, a level that can be directly traced to specific data, functional and behavioral requirements. As design iterations occur, subsequent refinement leads to design representation too much lower levels of abstraction. These can still be traced to requirements, but the connection is subtler. The evaluation of good design is made as follows,

- ℒ The design implements all of the explicit requirements contained in the analysis model and it accommodate all of the implicit requirements desired by the customer.

- ℒ The design is a readable, understandable guide for user and for those who test and subsequently maintain the software.

- ℒ The design provides a complete picture of the software, functional and b behavioral domains from an implementation perspective.

The software design is both a process and a model. The design process is a set of iterative steps that enables the designer to describe all aspects of the software to be built.

This system design is traceable to analysis model. Because a single element of the design model often traces to multiple requirements it is necessary to have a means for tracking how the design model has satisfied requirements.

This system design minimizes the intellectual distance between the software and the problem, as it exists in the real world. That is, the structure of the software design should minimize the structure of the problem domain.

The proposed system will have 3-tier architecture with an Internet approach. This project has been developed using Java Servlets as front end and SQL Server as back end on Windows 9x platform. JDBC programming is used for database connectivity.

Here each module is designed according to the need of the users. The system is designed in such a way that the user can easily view the details.

They can also implement newly coming versions, for new requirements on this information system through Java and HTML.

4.1 INPUT DESIGN:

The first step in developing software is to gather and analyze the problem. This applies just as much to leading edge research as to simple programs and to personal programs as well as to large teams efforts.

A major part in the design of the system is the preparation of the input and it requires very careful attention. Often the collection of input data is the most extensive part of the system. The input design stage is necessary for the successful development and implementation of the system.

26

The existing system cannot be implemented in the web. And also the problem encountered is business cannot be done worldwide.

This project consists of seven modules viz.,

ॐ Submit Quotation.

Submit Quotation:

This module enables the user to submit his quotation on registering himself. If he is a new user he will signup. Suppose the user is a valuable customer he will be provided an ID. On receiving his permanent id, he can login himself and submit his quotation for various products.

4.2 OUTPUT DESIGN

The modules described below have its own outputs. The outputs are shown in such a way that it is user friendly. Whenever the user wants to see the necessary details he can choose either date or item or month wise. The information for the particular supplier will be displayed.

ॐ Purchase Order.

ॐ Recent PO Amendments.

ॐ Delivery Schedule.

ॐ Goods Receipt Details.

ॐ Payment Details.

ॐ Supplier ratings

Purchase Order:

This module enables the user to view whether he has received any orders. The order will contain the details of the products ordered by the company to the specified supplier.

Recent PO Amendments:

This module enables the company to amend the necessary details. The user can view the details by entering order number and order group.

Delivery Schedule:

This module enables the user to view the products he has delivered based on the particular date, item and month with item description, vendor name, ordered quantity, received quantity and pending quantity.

Goods Receipt Details:

This module enables the user to view the products for which the payment has been made to him for a particular date, item and month along with Purchase order number, supplier code, date.

Payment Details:

This module enables the user to view the date wise report, the user can also view the details about the invoice number and date wise range. The debit note details will also be included. The goods receipt note number, code, item description, bill no, bill date, narration also will be displayed.

Supplier Ratings:

This module calculates the overall ratings of each supplier. The supplier can view his cumulative rating based on his performance.

4.3 DATABASE DESIGN:

Design has been described as a multi-step process in which representation of data structure, program structure, interface characteristics, and procedural details are synthesized from information requirements.

Data design is the first and foremost important of the four design activities those are conducted during software engineering. The impact of data structure on program structure and procedural complexity causes data design to have a profound influence on software quality. The concept of information hiding and data abstraction provides the foundation for an approach to data design.

An important requirement in the design of the data should be in normalized form. Data that are unlikely to be changed and that would facilitate the operation of other processes are put in master information table. Data that form a part of requests are stored in request tables. Thus the data that is unavailable and necessary for the operation of the system is classified as seven modules.

TABLE: PO_QUOTH (QUOTATION HEADER)

FIELD NAME	DATATYPE	DESCRIPTION
QUOTNO	NUMERIC(6)	QUOTATION NUMBER*
QUOTDT	DATE	QUOTATION DATE*
SLCODE	VARCHAR(6)	VENDOR CODE
CARCODE	VARCHAR(4)	CARRIER CODE
FREIGHT	NUMERIC(15)	FREIGHT AMOUNT
CRDDAYS	NUMERIC(3)	CREDIT DAYS
PAY_TERMS	VARCHAR(30)	PAYMENT TERMS
DEL_INS	VARCHAR(30)	DELIVERY INSTRUCTION
INSPER	NUMERIC(5,2)	INSURANCE %
PACKPER	NUMERIC(5,2)	PACKING %

TABLE: PO_QUOTL (QUOTATION DETAIL)

FIELD NAME	DATATYPE	DESCRIPTION
ITEMCODE	VARCHAR(6)	ITEMCODE
QTY	NUMERIC(12,3)	QUANTITY
RATE	NUMERIC(15,2)	RATE
VALUE	NUMERIC(15,2)	VALUE
TAXPER	NUMERIC(15,2)	TAX %
EXDPER	NUMERIC(5,2)	EXCISE %
SURPER	NUMERIC(5,2)	SURCHARGE %
DISPER	NUMERIC(5,2)	DISCOUNT %
WARRANTY	VARCHAR(30)	WARRANTY
TAX_CODE	VARCHAR(3)	TAX CODE
UNIT	VARCHAR(3)	UNIT
OTHCHGS	NUMERIC(15,2)	OTHER CHARGES
REM	VARCHAR(50)	REMARKS

TABLE: PO_ORDH (PURCHASE ORDER HEADER)

FIELD NAME	DATATYPE	DESCRIPTION
PORDNO	NUMERIC(6)	PURCHASE ORDER NUMBER*
PORDDT	DATE	PURCHASE ORDER DATE*
ORDVAL	NUMBER(15,2)	ORDER VALUE
ADV_PER	NUMERIC(5,2)	ADVANCE %
ADV_AMT	NUMERIC(15,2)	ADVANCE AMOUNT
FREIGHT	NUMERIC(15,2)	FREIGHT AMOUNT
DISPER	NUMERIC(5,2)	DISCOUNT %
TAXPER	NUMERIC(5,2)	TAX %
EXDPER	NUMERIC(5,2)	EXCISE %
PCKPER	NUMERIC(5,2)	PACKING %
INSPER	NUMERIC(5,2)	INSURANCE %
PAYTERMS	VARCHAR(50)	PAYMENT TERMS
CARCODE	VARCHAR(4)	CARRIER CODE
DEL_INS	VARCHAR(50)	DELIVERY INSTRUCTION
SPL_INS	VARCHAR(40)	SPECIAL INSTRUCTION
ORDSTATUS	CHAR(1)	ORDER STATUS
AMDORDNO	VARCHAR(15)	AMENDMENT ORDER NUMBER
AMDORDDT	DATE	AMENDMENT ORDER DATE
REFORDNO	VARCHAR(15)	REFERENCE ORDER NUMBER
REFORDDT	DATE	REFERENCE ORDER DATE

TABLE: PO_ORDL (PURCHASE ORDER DETAIL)

FIELD NAME	DATATYPE	DESCRIPTION
PORDNO	NUMERIC(6)	PURCHASE ORDER NUMBER*
PORDDT	DATE	PURCHASE ORDER DATE*
ITEMCODE	VARCHAR(6)	ITEM CODE
RATE	NUMERIC(15,2)	RATE
ORDQTY	NUMERIC(12,3)	ORDERED QUANTITY
ORDVAL	NUMERIC(15,2)	ORDER VALUE
TAXPER	NUMERIC(5,2)	TAX %
TAXAMT	NUMERIC(15,2)	TAX AMOUNT
SURPER	NUMERIC(5,2)	SURCHARGE %
DISPER	NUMERIC(5,2)	DISCOUNT %
STATUS	CHAR(1)	ORDER STATUS
PACKPER	NUMERIC(5,2)	PACKING %
UNIT	VARCHAR(3)	UNIT
OTHCHGS	NUMERIC(15,2)	OTHER CHARGES
REM	VARCHAR(50)	REMARKS

TABLE: PO_ORDL_DETL (ORDER DELIVERY SCHEDULE)

FIELD NAME	DATATYPE	DESCRIPTION
PORDNO	NUMERIC(6)	PURCHASE ORDER NUMBER*
PORDDT	DATE	PURCHASE ORDER DATE*
POGRP	VARCHAR(2)	PURCHASE ORDER TYPE *
ITEMCODE	VARCHAR(6)	ITEM CODE*

TABLE: PP_INVY.IN_TRNHEAD (TRANSACTION HEADER)

FIELD NAME	DATATYPE	DESCRIPTION
DOCNO	NUMERIC(8)	DOCUMENT NUMBER*
DOCDT	DATE	DOCUMENT DATE*
DCNO	VARCHAR(20)	DELIVERY CHALLAN NUMBER
DCDT	DATE	DELIVERY CHALLAN DATE
SLCODE	VARCHAR(6)	VENDOR CODE
PJVOCNO	NUMERIC(15,2)	PURCHASE JOURNAL NUMBER
PJVOCDT	DATE	PURCHASE JOURNAL DATE
BILLNO	VARCHAR(10)	BILL NUMBER
BILLDT	DATE	BILL DATE

TABLE: PP_INVY.IN_TRNTAIL (TRANSACTION DETAILS)

FIELD NAME	DATATYPE	DESCRIPTION
DOCNO	NUMERIC(6)	DOCUMENT NUMBER*
DOCDT	DATE	DOCUMENT DATE*
PORDDT	DATE	PURCHASE ORDER DATE
PORDNO	VARCHAR(15)	ORDER NUMBER
ITEMCODE	VARCHAR(6)	ITEM CODE
QUANTITY	NUMBER(12,3)	QUANTITY
QCRECDQTY	NUMERIC(12,3)	RECEIVED QUANTITY
BILLQTY	NUMERIC(12,3)	BILL QUANTITY
BILLRATE	NUMERIC(15,3)	BILL RATE
TAXPER	NUMERIC(4,2)	TAX %
TAXAMT	NUMERIC(15,2)	TAX AMOUNT
DISPER	NUMERIC(4,2)	DISCOUNT %
DISAMT	NUMERIC(15,2)	DISCOUNT AMOUNT
SCPER	NUMERIC(4,2)	SURCHARGE %
SCAMT	NUMERIC(15,2)	SURCHARGE AMOUNT
INSPER	NUMERIC(4,2)	INSURANCE %
INSAMT	NUMERIC(15,2)	INSURANCE AMOUNT
EXCISE	NUMERIC(15,2)	EXCISE AMOUNT
EXCPER	NUMERIC(4,2)	EXCISE %

TABLE: FA_JVLINE (JOURNAL DETAILS)

FIELD NAME	DATATYPE	DESCRIPTION
VOCNO	VARCHAR(10)	VOUCHER NUMBER*
VOCDT	DATE	VOUCHER DATE*
ACCODE	VARCHAR(10)	ACCOUNT CODE
NARRATION1	VARCHAR(25)	NARRATION1
NARRATION2	VARCHAR(25)	NARRATION2

TABLE:FA_JVHEAD (JOURNAL HEAD)

FIELD NAME	DATATYPE	DESCRIPTION
VOCNO	VARCHAR(10)	VOUCHER NUMBER
VOCDT	DATE	VOUCHER DATE
LBILLNO	VARCHAR(15)	LAST BILL NUMBER
LBILLDT	DATE	LAST BILL DATE

TABLE: FA_PAYLINE (PAYMENT DETAILS)

FIELD NAME	DATATYPE	DESCRIPTION
VOCNO	VARCHAR(10)	VOUCHER NUMBER*
VOCDT	DATE	VOUCHER DATE*
CHQNO	NUMERIC(10)	CHEQUE NUMBER
CHQDT	DATE	CHEQUE DATE
ACCODE	VARCHAR(10)	ACCOUNT CODE
NARRATION1	VARCHAR(25)	NARRATION1
NARRATION2	VARCHAR(25)	NARRATION2

TABLE: SIGNUP (REGISTRATION DETAILS)

FIELD NAME	DATATYPE	DESCRIPTION
NAME	VARCHAR(30)	NAME
PWD	VARCHAR(20)	PASSWORD
ABBRE	VARCHAR(15)	ABBREVIATION
EMAIL	VARCHAR(20)	E-MAIL ID
PHONE	VARCHAR(20)	PHONE
FAX	VARCHAR(20)	FAX
CARCODE	NUMERIC(5)	CARRIER CODE
FRIEGHT	NUMERIC(5)	FRIEGHT AMOUNT
CGST	VARCHAR(15)	CENTRAL GOVERNMENT SALES TAX
CGST DATE	DATE	CGST DATE
TNGST	VARCHAR(15)	TAMILNADU GOVERNMENTSALES TAX
TNGST DATE	DATE	TNGST DATE
CNTCTNM	VARCHAR(30)	CONTACT PERSON NAME
CNTCTDES	VARCHAR(50)	CONTACT PERSON DESIGNATION
CNTCTPH	VARCHAR(20)	CONTACT PHONE
DELINS	VARCHAR(30)	DELIVERY INSTRUCTION
TAXPER	NUMERIC(5,2)	TAX %
DISPER	NUMERIC(5,2)	DISCOUNT %
SURCHPER	NUMERIC(5,2)	SURCHARGE %
EXDPER	NUMERIC(5,2)	EXCISE %

* Refers to Primary Key

4.4 PROCESS DESIGN

VENDOR

VENDOR
DETAILS

QUOTATION

QUOTATION
DETAILS

ORDER

PORDER

AMENDMENT
DETAILS

REPORT
GENERATION

REPORTS

MANAGEMENT

CHALLAN

TRANSACTION

REJECTION
DETAILS

PAYMENT

PAY DETAILS
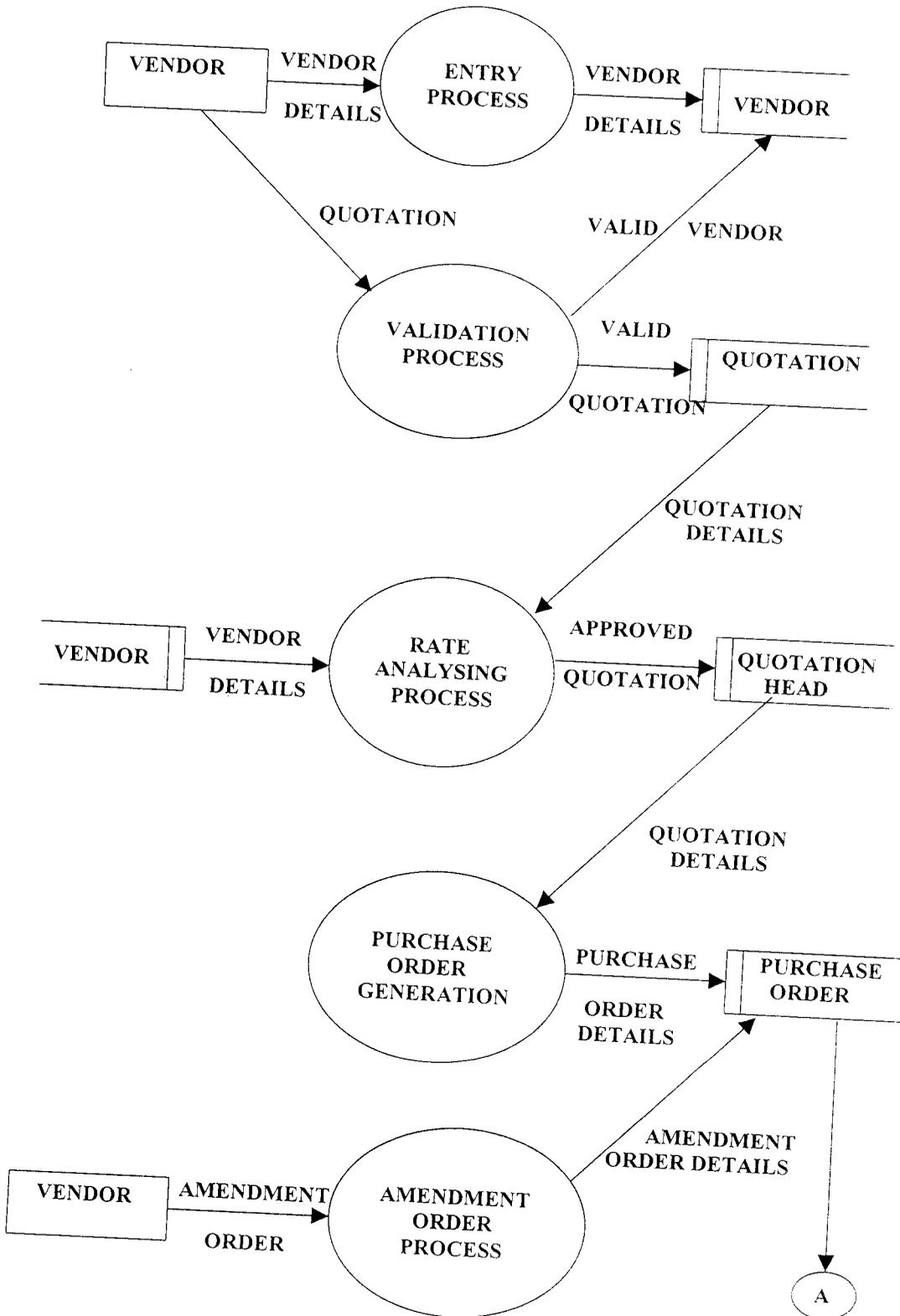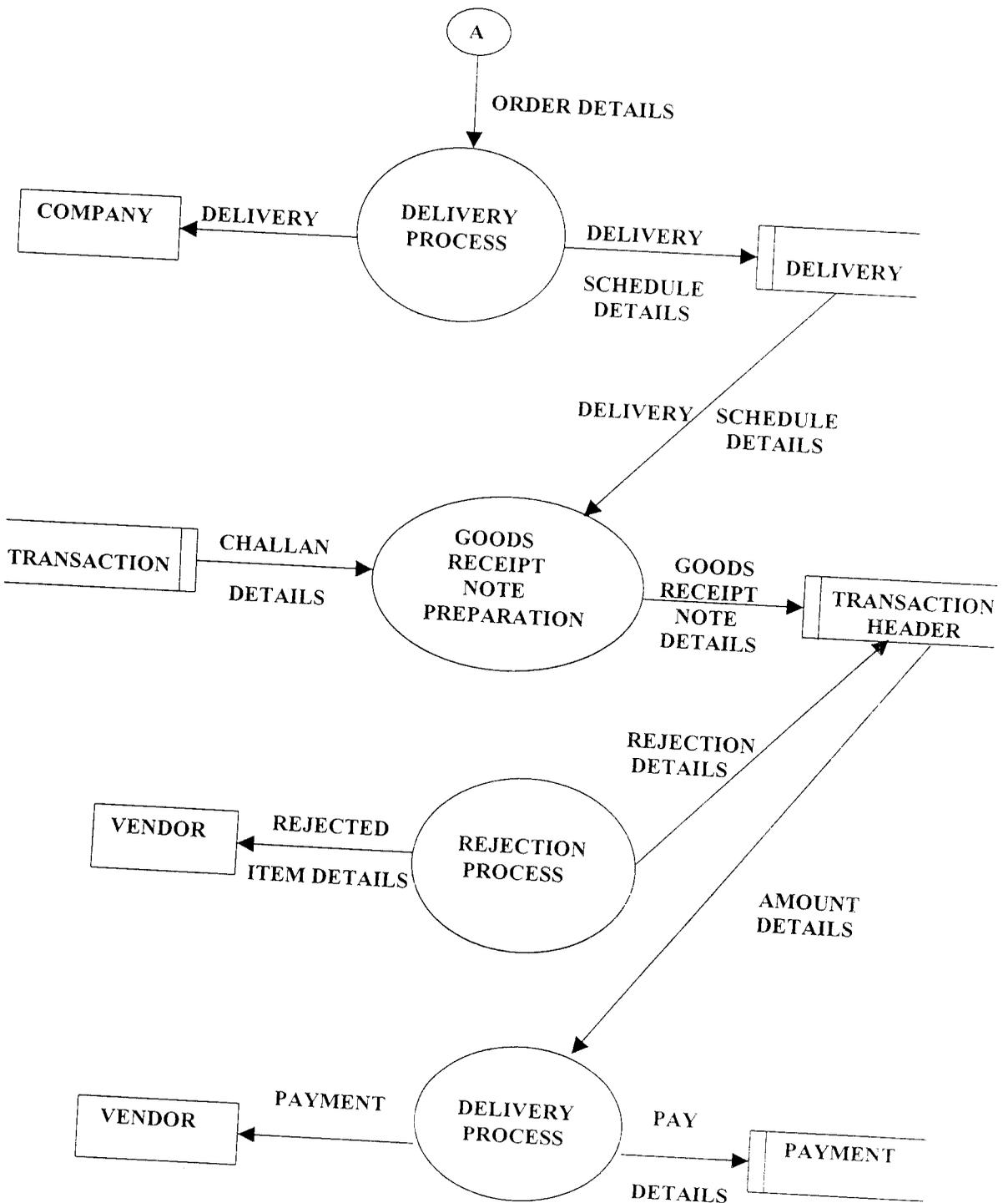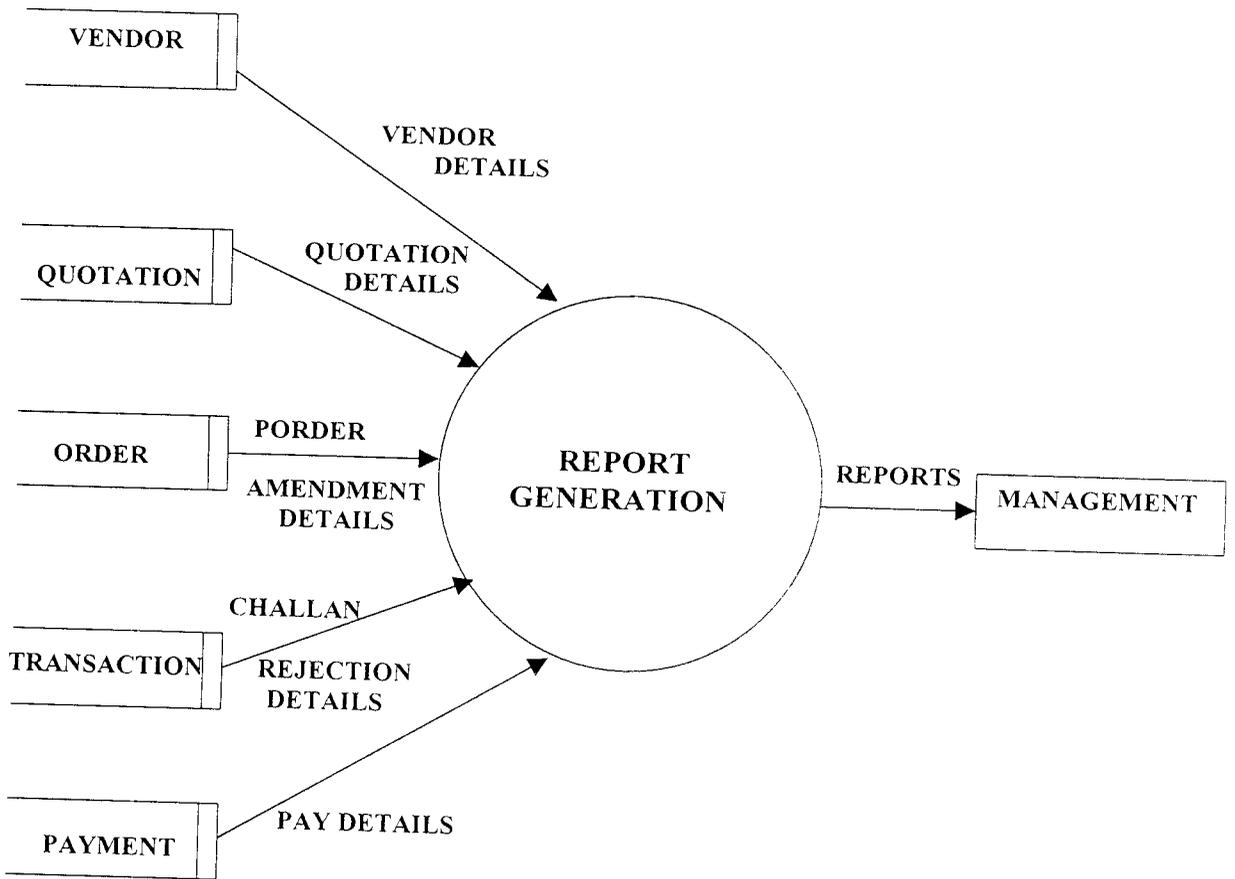
System Testing & Implementation

5.SYSTEM IMPLEMENTATION AND TESTING

5.1 SYSTEM IMPLEMENTATION

System implementation is the process of making the newly designed system fully operational. The system is implemented after careful testing.

The following steps have been followed in the implementation of this system.

- Implementation planning
- Equipment acquisition and installation.
- System conversion
- User Training

Implementation Planning:

A logical starting point for this type of planning involves knowledge of the following areas.

- ❖ Personal needs.
- ❖ Programming equipment's selected.
- ❖ Physical requirements
- ❖ Conversion activities.

Initially a primary implementation plan is prepared to schedule and manage many different activities that must be completed for a successful system implementation. The preliminary plan serves as a basis for checking the availability of resources for implementation activities.

A complete implementation plan includes following items.

- System training plan.

- System test plan.

- System conversion plan.

- Overall implementation plan.

System conversion:

The system implementation could be done in the following methods.

- ◆ Direct conversion method.

- ◆ Parallel conversion method.

- ◆ Phase-in method.

The system is implemented by using parallel conversion and phase-in method. Parallel conversion is a method in which both the old and new system is run parallel for a particular period. In the phase-in method, the new system is implemented module by module.

User Training:

The training should include every one associated with the implementation, use, operation or maintenance of new system. Hands-on training to the lab staff is essential to make them comfortable with the system. Accordingly, classroom lectures about the system have been given to the lab staff.

5.2 SYSTEM TESTING

The objective of testing is as follows:

- Testing is the process of executing a program with the indent of finding an error.

- A good test case is one that has a high probability of finding an as yet undiscovered error.

- A successful test is one that uncovers an as- yet undiscovered error.

BLACK BOX TESTING:

In black box testing, the following are tested.

- Incorrect or missing functions.

- Performance errors.

- Initialization and termination errors.

WHITE BOX TESTING:

In white box testing, the following are tested successfully for this application.

- Exercise all logical decision on their true and false sides.

- Execute all loops at their boundaries and within their bounds.

- Exercise internal data structure to ensure their validity.

UNIT TESTING:

Unit Testing focuses on verifying the effort on the smallest unit or software design. The constrained scope establishment for unit testing limits the relative complexity of tests and uncovered efforts.

The module interface is tested to ensure that the information flows properly, into and out of the program unit under test. The local data structure is examined to ensure that data stored temporarily maintains its integrity during all steps in the algorithm's execution. Boundary conditions are tested to ensure that the module operates properly at boundaries established to limit or restrict processing.

RECOVERY TESTING:

It is a system test that forces the software to fail in variety of ways and verifies that the recovery is properly performed.

SECURITY TESTING:

It attempts to verify that protection mechanisms built into a system will in fact protect it from improper penetration. The system's security must of course be tested from invulnerability from frontal attack.

5.3 REFINEMENTS BASED ON FEEDBACK:

The users can place their feedback in their feedback form. The form details will be attended within 24 hours and the users will know the change on logging in. Immediate steps will be taken if there is any dissatisfaction to the user.

Conclusion

6. CONCLUSION

The system has been developed according to the specifications and requirements given by the Kalpatharu Software limited. Since policy changes are possible at management level, the specification may change in the future, the system can be modified according to the new requirements and specifications.

The system overcomes the difficulties in using the single user system. This system efficiently updates and maintains all required information about the activities done in the department. All modules are documented and easily understood.

During the design phase of the software many difficulties were encountered. All these difficulties were analyzed deeply and great efforts were taken to bring out an accurate and credible software package.

Scope for Future Development

7.SCOPE FOR FUTURE DEVELOPMENT

As per the requirements of the department the system can be updated. Since Java supports graphical user interface it can be made a point that future enhancements can be added based on the requirements of the user.

The user facility is spotted first and changes are made so that business can be done profitably at any place at any time. The inconvenience felt by the user will immediately attended.

Bibliography

BIBLIOGRAPHY

1. Patrick Naughton and Herbert Schildt, **JAVA 2: The Complete Reference,** Third Edition

2. E.Balagurusamy, **Programming with JAVA**

3. H.M.Deitel and P.J.Dietel, **JAVA HOW TO PROGRAM,** Second Edition

4. George Reese, **DATABASE PROGRAMMING WITH JDBC AND JAVA**

5. **HTML Complete**

6. Jennifer Niederst & O'Rielly, DESIGNING **FOR WEB**

7. Roger.S.Pressman, **Software Engineering- A practitioner's Approach,** Third Edition.

8. http://www.ecommercetimes.com

Appendix

ENTER THE WORLD OF
E-PROCUREMENT!!

I'm a New User

SIGN ME UP

I'm Already Registered

ID : c1a001

PASSWORD : xxxxxx

LOGIN

Back   Forward   Stop   Refresh   Home   Search   Favorites   History   Print

Address   D:\Allusers\savi\project\sign.html

REGISTRATION

There will be no monitoring or disclosure of your registration details and it will be kept confidential

Name: ADITYA TEXTILES

Password: ********

Abbreviation: A.T.LTD

Address: 404,AVANASHI ROAD,C(

Pincode: 641002

City: Coimbatore

State: TamilNadu

Country: India

Phonenumber: 0422-447886   *

E-Mail: aditya@yahoo.com   *

Fax : 0988-6758394   *

My Computer

File   Edit   View   Favorites   Tools   Help

Address   D:\Allusers\savi\project\sign.html

Career Code: 018

Area Code: 56

Payterms: Cash

Credit Days: 45

TNGST: 9098-23434

TNGST Date: Day 4   Month 8   Year 1998

CGST: 6099-53454

CGST Date: Day 3   Month 3   Year 1997

Excise: 4

Transport Debt: 4000

Insurance Premium: 3

Contact Person Name: RamKumar

Contact Person Designation: 6,bharathi nagar,avanash

Contact Phone: 0422-748087

Party Type: Debitors

Tax Code: T03

Discount(%): 5

Submit   Reset

My Computer

File   Edit   View   Favorites   Tools   Help

Back   Forward   Stop   Refresh   Home   Search   Favorites   History   Print

Address http://127.0.0.1:8080/servlet/session1?n=c1a001&pwd=prema

Good Afternoon

AMMARUN FOUNDRIES

Welcome to our Website

Have a nice day

Administrator

Thankyou

Done   Internet
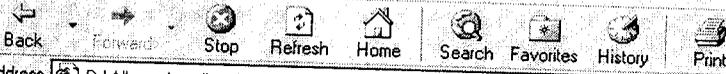
48

frames - Microsoft Internet Explorer

File   Edit   View   Favorites   Tools   Help

Back   Forward   Stop   Refresh   Home   Search   Favorites   History   Print

Address D:\Allusers\savi\project\frames.html

- Submit Quotation

- Purchase Order

- Recent PO
  Ammendments

- Delivery Schedule

- GR Report

- Payment Details

- Supplier Ratings

- Feedback

- Logout

WELCOME TO E-PROCUREMENT

HAVE A NICE DAY!

My Computer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Print

Address D:\Allusers\savi\project\frames.html Go

- Submit Quotation
- Purchase Order
- Recent PO Ammendments
- Delivery Schedule
- GR Report
- Payment Details
- Supplier Ratings
- Feedback
- Logout

QUOTATION DETAILS

Quotation No: 1   Date: Sat Mar 31
Vendor: c1a001
                                        AMMARUN FOUNDRIES

PAYMENT DETAILS

Payment   ⦿ Through Bank   ◯ Cash

Bank: Canara Bank

Credit Days: 30   Pay Terms: Through Bank

TRANSPORT/OTHER DETAILS

My Computer (Mixed)

50

File Edit View Favorites Tools Help

Address D:\Allusers\savi\project\frames.html

- Submit Quotation
- Purchase Order
- Recent PO Ammendments
- Delivery Schedule
- GR Report
- Payment Details
- Supplier Ratings
- Feedback
- Logout

Carrier: 018   Freight Charge: 3000

Valid Days: 20

Delivery Instructions: By Road   Freight: ○ Paid   ○ Topay

Insurance%: 3

Packing%: 2

ITEM DETAILS

Itemcode: 01B010 ▼   Quantity: 2020   Rate: 7.75

Tax%: 4   Excise%: 3   Surcharge%: 6

Discount%: 2   Warranty: One month TaxCode: T03

OtherCharges: 2000   Unit: Nos ▼   Value: 15655

Remarks: Rs 7.75 per part

Submit | Reset

My Computer (Mixed)

51

Back   Forward   Stop   Refresh   Home   Search   Favorites   History   Print

Address D:\Allusers\savi\project\frames.html

- Submit Quotation
- Purchase Order
- Recent PO Ammendments
- Delivery Schedule
- GR Report
- Payment Details
- Supplier Ratings
- Feedback
- Logout

QUOTATION PLACEMENT CONFIRMATION

Thankyou for placing the quotation.

Your quotation will be attended to within 24 hours and if it is accepted order will be placed

Thanking You

Administrator

(For E-Procurement)

Done

My Computer (Mixed)

File   Edit   View   Favorites   Tools   Help

Back   Forward   Stop   Refresh   Home   Search   Favorites   History   Print

Address   D:\Allusers\savi\project\frames.html   Go

- Submit Quotation

- Purchase Order

- Recent PO
  Ammendments

- Delivery Schedule

- GR Report

- Payment Details

- Supplier Ratings

- Feedback

- Logout

PURCHASE ORDER

Do u want to know whether u have received any orders?

VIEW

My Computer (Mixed)

PURCHASE ORDER

- Submit Quotation
- Purchase Order
- Recent PO Ammendments
- Delivery Schedule
- GR Report
- Payment Details
- Supplier Ratings
- Feedback
- Logout

VENDOR DESCRIPTION: AMMARUN FOUNDRIES

ORDDATE	DELINS	SPLINS	DISCOUNTPER	EXCISEPER	PACKINGP
2000-04-01 00:00:00.000	DOOR DELIVERY	T.C.MUST BE ACCOMPANIED WITH ALL SUPPLIES	.00	16.00	null
2000-04-01 00:00:00.000	DOOR DELIVERY	T.C.MUST BE ACCOMPANIED WITH ALL SUPPLIES	.00	16.00	null
2000-04-10 00:00:00.000	DOOR DELIVERY	null	.00	16.00	null
2000-05-04 00:00:00.000	DOOR DELIVERY	T.C.MUST BE ACCOMPANIED WITH ALL SUPPLIES	.00	16.00	null

File   Edit   View   Favorites   Tools   Help

Back   Forward   Stop   Refresh   Home   Search   Favorites   History   Print

Address   D:\Allusers\savi\project\frames.html   Go

- Submit Quotation

- Purchase Order

- Recent PO
  Ammendments

- Delivery Schedule

- GR Report

- Payment Details

- Supplier Ratings

- Feedback

- Logout

RECENT PO AMMENDMENTS

ORDER NO: [101 ▼]   ORDER GROUP: [Production Order   ▼]

[Ammend]

My Computer [Mixed]

55

- Submit Quotation

- Purchase Order

- Recent PO
  Ammendments

- Delivery Schedule

- GR Report

- Payment Details

- Supplier Ratings

- Feedback

- Logout

AMMENDMENT

Amd Order No: 102   Date: Sat Mar 31 17:33:18 GMT

Ref Order No: 101   Date: 2000-05-10 00:00:00.000

ITEM DETAILS

Itemcode: 44D220   Quantity: 200.000   Rate: 130.00

Value: 26000.00   Tax%: .00   Excise%: .00

Surcharge%: .00   Discount%: .00   Warranty: null

TaxCode: T03   Unit: LTR   OtherCharges: .00

Remarks:

56

File　Edit　View　Favorites　Tools　Help

Back　Forward　Stop　Refresh　Home　Search　Favorites　History　Print

Address　D:\Allusers\savi\project\frames.html　Go

- Submit Quotation

- Purchase Order

- Recent PO
  Ammendments

- Delivery Schedule

- GR Report

- Payment Details

- Supplier Ratings

- Feedback

- Logout

DELIVERY SCHEDULE REPORTS

- DateWise Report

- ItemWise Report

- Monthwise Report

My Computer

File   Edit   View   Favorites   Tools   Help

Back   Forward   Stop   Refresh   Home   Search   Favorites   History   Print

Address D:\Allusers\savi\project\frames.html   Go

- Submit Quotation

- Purchase Order

- Recent PO
  Ammendments

- Delivery Schedule

- GR Report

- Payment Details

- Supplier Ratings

- Feedback

- Logout

DATEWISE REPORT

FROM DATE: dec 19 2000

TO DATE: dec 29 2000

VIEW

My Computer

VENDOR DESCRIPTION: KAPIL COREPACKS PVT LTD.

ORDNO	ORDDT	ITEMCODE	ITEMNAME	UNIT	STATUS	ORDQTY	RCVDQTY	PENDINGQTY
63	Dec 23 2000 12:00AM	01E010	END COVER 0.25HP	NOS	null	2000.000	null	null
63	Dec 23 2000 12:00AM	02C050	CASING 0.50HP VENTURA SP	NOS	null	2000.000	526.000	1474.000
63	Dec 23 2000 12:00AM	02E040	END COVER BASIC	NOS	null	10000.000	8220.000	1780.000
64	Dec 23 2000 12:00AM	01B015	BRACKET 0.25 HP	NOS	null	2000.000	1006.000	994.000
64	Dec 23 2000 12:00AM	02B042	BRACKET 0.5HP MINI &SP BASIC	NOS	null	8000.000	2000.000	6000.000
65	Dec 23 2000 12:00AM	02F020	FLANGE	NOS	null	7500.000	7500.000	.000

My Computer (Mixed)

20	Jun 9 2000 12:00AM	01B015	BRACKET 0.25 HP	NOS	2500.000	237.000	2263.000
26	Jun 24 2000 12:00AM	01B015	BRACKET 0.25 HP	NOS	2000.000	2000.000	.000
39	Jul 31 2000 12:00AM	01B015	BRACKET 0.25 HP	NOS	521.000	521.000	.000
61	Dec 1 2000 12:00AM	01B015	BRACKET 0.25 HP	NOS	1000.000	1000.000	.000
64	Dec 23 2000 12:00AM	01B015	BRACKET 0.25 HP	NOS	2000.000	1006.000	994.000
68	Dec 23 2000 12:00AM	01B015	BRACKET 0.25 HP	NOS	3.000	3.000	.000
69	Dec 23 2000 12:00AM	01B010	BRACKET 0.25HP MAGIC SUCTION	NOS	7.000	null	null
72	Dec 23 2000 12:00AM	01B010	BRACKET 0.25HP MAGIC SUCTION	NOS	7.000	7.000	.000
74	Jan 6 2001 12:00AM	01B010	BRACKET 0.25HP MAGIC SUCTION	NOS	250.000	74.000	176.000
92	May 13 2000 12:00AM	01B015	BRACKET 0.25 HP	NOS	200.000	null	null
94	May 23 2000 12:00AM	01B015	BRACKET 0.25 HP	NOS	500.000	165.000	335.000
97	May 26 2000	01B015	BRACKET 0.25 HP	NOS	300.000	300.000	.000

My Computer (Mixed)

File   Edit   View   Favorites   Tools   Help

Back   Forward   Stop   Refresh   Home   Search   Favorites   History   Print

Address   D:\Allusers\savi\project\frames.html   Go

- Submit Quotation

- Purchase Order

- Recent PO
  Ammendments

- Delivery Schedule

- GR Report

- Payment Details

- Supplier Ratings

- Feedback

- Logout

MONTHWISE REPORT

CURRENT MONTH: JAN

VIEW

My Computer (Mixed)

File   Edit   View   Favorites   Tools   Help

Back   Forward   Stop   Refresh   Home   Search   Favorites   History   Print

Address   D:\Allusers\savi\project\frames.html

VENDOR DESCRIPTION: KAPIL COREPACKS PVT LTD,

ORDNO	ORDDT	ITEMCODE	ITEMNAME	UNIT	ORDQTY	RCVDQTY	PENDINGQTY
1	Jan 19 2001 12:00AM	93SS01	STEEL STRAP 5/8"	null	10.000	null	null
2	Jan 23 2001 12:00AM	01B010	BRACKET 0.25HP MAGIC SUCTION	null	3.000	null	null
2	Jan 23 2001 12:00AM	01B015	BRACKET 0.25 HP	null	10.000	null	null
73	Jan 1 2001 12:00AM	02B060	BRACKET 0.50HP SPEEDY SUCTION	NOS	1000.000	148.000	852.000
73	Jan 1 2001 12:00AM	02C020	CASING 0.50 HP MINI	NOS	500.000	null	null
73	Jan 1 2001 12:00AM	02C080	CASING 0.5HP SPEEDY SUCTION	NOS	750.000	316.000	434.000
74	Jan 6 2001 12:00AM	01B010	BRACKET 0.25HP MAGIC SUCTION	NOS	250.000	74.000	176.000
74	Jan 6 2001 12:00AM	01C010	CASING 0.25HP MAGIC SUCTION	NOS	250.000	65.000	185.000

Done   My Computer (Mixed)

63

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Print

Address D:\Allusers\savi\project\frames.html

- Submit Quotation

- Purchase Order

- Recent PO
  Ammendments

- Delivery Schedule

- GR Report

- Payment Details

- Supplier Ratings

- Feedback

- Logout

GOODS RECEIPT REPORTS

- ### Month Report

- ### Challan Number Range

- ### Challan Date Range

My Computer

File   Edit   View   Favorites   Tools   Help

Back   Forward   Stop   Refresh   Home   Search   Favorites   History   Print

Address D:\Allusers\savi\project\frames.html   Go

- Submit Quotation

- Purchase Order

- Recent PO
  Ammendments

- Delivery Schedule

- GR Report

- Payment Details

- Supplier Ratings

- Feedback

- Logout

MONTHWISE REPORT

CURRENT MONTH: JAN ▾

VIEW

Done   My Computer (Mixed)

File   Edit   View   Favorites   Tools   Help

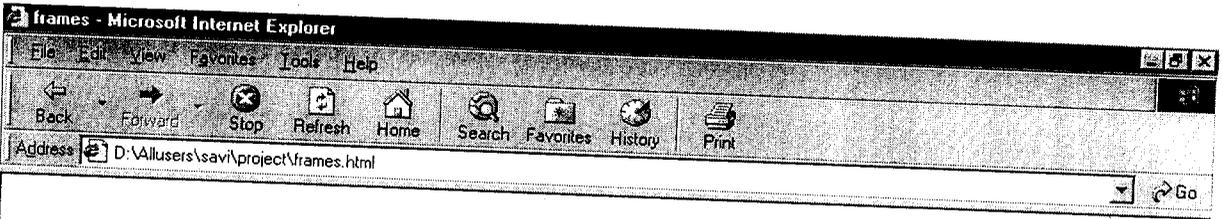Back   Forward   Stop   Refresh   Home   Search   Favorites   History   Print

Address D:\Allusers\savi\project\frames.html

- Submit Quotation
- Purchase Order
- Recent PO Ammendments
- Delivery Schedule
- GR Report
- Payment Details
- Supplier Ratings
- Feedback
- Logout

VENDOR DESCRIPTION: AMMARUN FOUNDRIES

DelChallanNumber	DelChallanDate	ItemName	BillNumber	Rate	Value
3151	2001-01-02 00:00:00.000	END COVER 0.25HP	null	12.10	4026.88
3151	2001-01-02 00:00:00.000	END COVER BASIC	null	16.58	8621.60
3168	2001-01-03 00:00:00.000	END COVER BASIC	null	16.58	29313.44
3194	2001-01-05 00:00:00.000	END COVER BASIC	null	16.58	25864.80
3235	2001-01-08 00:00:00.000	END COVER 0.25HP	null	12.10	629.20
3235	2001-01-08 00:00:00.000	END COVER BASIC	null	16.58	12846.18
3282	2001-01-11 00:00:00.000	END COVER BASIC	null	16.58	34486.40
3283	2001-01-11 00:00:00.000	END COVER	null	16.58	9701.02

Done   My Computer (Mixed)

66

Back   Forward   Stop   Refresh   Home   Search   Favorites   History   Print

Address   D:\Allusers\savi\project\frames.html

- Submit Quotation

- Purchase Order

- Recent PO
  Ammendments

- Delivery
  Schedule

- GR Report

- Payment Details

- Supplier Ratings

- Feedback

- Logout

CHALLAN DATEWISE REPORT

FROM CHALLAN DATE: apr 19 2000

TO CHALLAN DATE: apr 22 2000

VIEW

My Computer

67

frames - Microsoft Internet Explorer

File   Edit   View   Favorites   Tools   Help

Back   Forward   Stop   Refresh   Home   Search   Favorites   History   Print

Address D:\Allusers\savi\project\frames.html

- Submit Quotation

- Purchase Order

- Recent PO
  Ammendments

- Delivery Schedule

- GR Report

- Payment Details

- Supplier Ratings

- Feedback

- Logout

VENDOR DESCRIPTION:AMMARUN FOUNDRIES

DelChallanNumber	DelChallanDate	ItemName	BillNumber	Rate	Value
122	2000-04-19 00:00:00.000	END COVER BASIC	null	16.58	74207.83
134	2000-04-20 00:00:00.000	END COVER BASIC	null	16.58	22382.36
146	2000-04-21 00:00:00.000	END COVER BASIC	null	16.58	6000.63
155	2000-04-22 00:00:00.000	FLANGE 0.25 HP. SUCTION	null	9.14	385.92
155	2000-04-22 00:00:00.000	FLANGE 0.25 HP. SUCTION	null	9.14	2591.22
155	2000-04-22 00:00:00.000	FLANGE 0.25HP	null	5.84	1902.25
159	2000-04-22 00:00:00.000	END COVER BASIC	null	16.58	11401.20

BACK

Done   My Computer (Mixed)

- Submit Quotation

- Purchase Order

- Recent PO
  Ammendments

- Delivery
  Schedule

- GR Report

- Payment Details

- Supplier Ratings

- Feedback

- Logout

CHALLAN NUMBERWISE REPORT

FROM CHALLAN NO: 100

TO CHALLAN NO: 1000

VIEW

File Edit View Favorites Tools Help

Back   Forward   Stop   Refresh   Home   Search   Favorites   History   Print

Address D:\Allusers\savi\project\frames.html

- Submit Quotation
- Purchase Order
- Recent PO Ammendments
- Delivery Schedule
- GR Report
- Payment Details
- Supplier Ratings
- Feedback
- Logout

VENDOR DESCRIPTION: AMMARUN FOUNDRIES

DelChallanNumber	DelChallanDate	ItemName	BillNumber	Rate	Value
121	2000-04-26 00:00:00.000	END COVER BASIC	null	16.58	11241.18
129	2000-04-26 00:00:00.000	END COVER BASIC	null	16.58	8060.85
180	2000-04-22 00:00:00.000	FLANGE 0.25 HP. SUCTION	null	9.14	385.92
197	2000-05-08 00:00:00.000	END COVER BASIC	null	16.58	11241.18
197	2000-05-08 00:00:00.000	FLANGE 0.25 HP. SUCTION	null	9.14	3892.35
197	2000-05-08 00:00:00.000	FLANGE 0.25HP	null	5.84	2289.74
198	2000-05-08 00:00:00.000	END COVER BASIC	null	16.58	480.05
238	2000-05-10 00:00:00.000	END COVER BASIC	null	16.58	11241.18
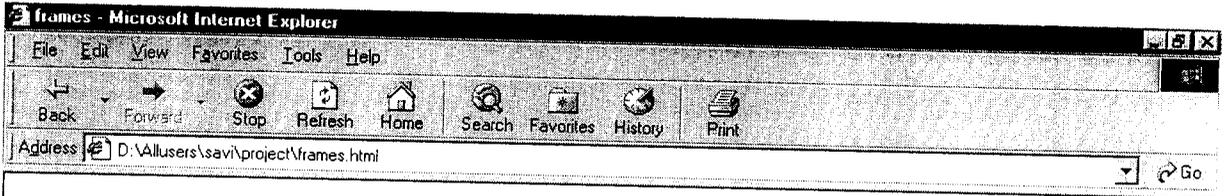
My Computer (Mixed)

File   Edit   View   Favorites   Tools   Help

Back   Forward   Stop   Refresh   Home   Search   Favorites   History   Print

Address   D:\Allusers\savi\project\frames.html

- Submit Quotation

- Purchase Order

- Recent PO
  Ammendments

- Delivery Schedule

- GR Report

- Payment Details

- Supplier Ratings

- Feedback

- Logout

PAYMENT DETAIL REPORTS

- ## DateWise Report

- ## Invoice Number Range

- ## Invoice Date Range

- ## Debit Note Details

My Computer

71

File   Edit   View   Favorites   Tools   Help

Back   Forward   Stop   Refresh   Home   Search   Favorites   History   Print

Address D:\Allusers\savi\project\frames.html

- Submit Quotation

- Purchase Order

- Recent PO
  Ammendments

- Delivery Schedule

- GR Report

- Payment Details

- Supplier Ratings

- Feedback

- Logout

DATEWISE REPORT

FROM DATE: dec 19 2000

TO DATE: dec 29 2000

VIEW

Done   My Computer

72

File Edit View Favorites Tools Help

Back   Forward   Stop   Refresh   Home   Search Favorites History   Print

Address D:\Allusers\savi\project\frames.html

- Submit Quotation

- Purchase Order

- Recent PO
  Ammendments

- Delivery Schedule

- GR Report

- Payment Details

- Supplier Ratings

- Feedback

- Logout

VENDOR DESCRIPTION: AMMARUN FOUNDRIES

ACCCODE	BILLNUMBER	BILLDATE	BILLAMOUNT	NARRATION	SPLNARR
234517	143	2000-12-27 00:00:00.000	1765.00	SSSS	null
345123	143	2000-12-27 00:00:00.000	1765.00	DDDD	null
C1A013	143	2000-12-27 00:00:00.000	1765.00	Rejected Goods	null
400900	143	2000-12-27 00:00:00.000	1765.00	Purchase Return	null

BACK

Done   My Computer (Mixed)

File   Edit   View   Favorites   Tools   Help

Back   Forward   Stop   Refresh   Home   Search   Favorites   History   Print

Address D:\Allusers\savi\project\frames.html

- Submit Quotation

- Purchase Order

- Recent PO
  Ammendments

- Delivery Schedule

- GR Report

- Payment Details

- Supplier Ratings

- Feedback

- Logout

INVOICE NUMBERWISE REPORT

FROM INVOICE NO: 100

TO INVOICE NO: 200

VIEW

Done   My Computer

- Submit Quotation

- Purchase Order

- Recent PO
  Ammendments

- Delivery Schedule

- GR Report

- Payment Details

- Supplier Ratings

- Feedback

- Logout

VENDOR DESCRIPTION: AMMARUN FOUNDRIES

ACCCODE	BILLNUMBER	BILLDATE	BILLAMOUNT	NARRATION	SPLNARR
234517	143	2000-12-27 00:00:00.000	1765.00	SSSS	null
345123	143	2000-12-27 00:00:00.000	1765.00	DDDD	null
C1A013	143	2000-12-27 00:00:00.000	1765.00	Rejected Goods	null
400900	143	2000-12-27 00:00:00.000	1765.00	Purchase Return	null

BACK

My Computer (Mixed)

- Submit Quotation

- Purchase Order

- Recent PO
  Ammendments

- Delivery Schedule

- GR Report

- Payment Details

- Supplier Ratings

- Feedback

- Logout

INVOICE DATEWISE REPORT

FROM INVOICE DATE: oct 10 2000

TO INVOICE DATE: oct 13 2000

VIEW

My Computer

Back   Forward   Stop   Refresh   Home   Search   Favorites   History   Print

Address   D:\Allusers\savi\project\frames.html   Go

- Submit Quotation

- Purchase Order

- Recent PO
  Ammendments

- Delivery Schedule

- GR Report

- Payment Details

- Supplier Ratings

- Feedback

- Logout

VENDOR DESCRIPTION: AMMARUN FOUNDRIES

ACCCODE	BILLNUMBER	BILLDATE	BILLAMOUNT	NARRATION	SPLNARR
234517	575	2000-10-11 00:00:00.000	2500.00	SSSS	null
345123	575	2000-10-11 00:00:00.000	2500.00	DDDD	null
C1A013	575	2000-10-11 00:00:00.000	2500.00	Rejected Goods	null
400900	575	2000-10-11 00:00:00.000	2500.00	Purchase Return	null

BACK

Done   My Computer (Mixed)

77

Back   Forward   Stop   Refresh   Home   Search   Favorites   History   Print

Address D:\Allusers\savi\project\frames.html

- Submit Quotation
- Purchase Order
- Recent PO Ammendments
- Delivery Schedule
- GR Report
- Payment Details
- Supplier Ratings
- Feedback
- Logout

DEBIT NOTE DETAILS

ACCOUNT CODE: 234517

VIEW

Done   My Computer (Mixed)

- Submit Quotation

- Purchase Order

- Recent PO Ammendments

- Delivery Schedule

- GR Report

- Payment Details

- Supplier Ratings

- Feedback

- Logout

VENDOR DESCRIPTION: AMMARUN FOUNDRIES

ACCCODE	BILLNUMBER	BILLDATE	BILLAMOUNT	NARRATION	SPLNARR
234517	575	2000-10-11 00:00:00.000	2500.00	SSSS	null
234517	143	2000-12-27 00:00:00.000	1765.00	SSSS	null

Done   My Computer (Mixed)

Back   Forward   Stop   Refresh   Home   Search   Favorites   History   Mail   Print   Edit   Discuss

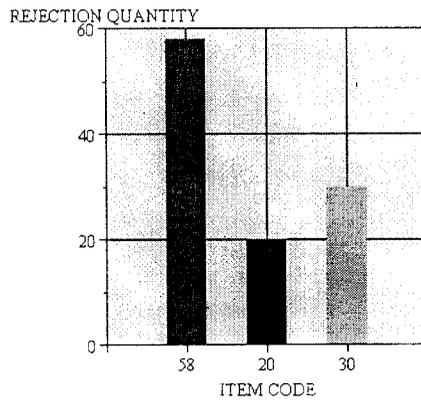Address   D:\allusers\savi\project\frames.html   Go

- Submit Quotation

- Purchase Order

- Recent PO
  Ammendments

- Delivery Schedule

- GR Report

- Payment Details

- Supplier Ratings

- Feedback

- Logout

SUPPLIER RATING

REJECTION QUANTITY

ITEM CODE

My Computer

- Submit Quotation

- Purchase Order

- Recent PO
  Ammendments

- Delivery Schedule

- GR Report

- Payment Details

- Supplier Ratings

- Feedback

- Logout

FEEDBACK FORM

Name: AMMARUN FOUNDRIES   Fax: 044-232323

EMail: amarun@yahoo.com   Phone: 232323

Feedback

```
Thank you giving us the purchase
orders.We are happy to be your
Customer.
```

SubmitFeedback

Back   Forward   Stop   Refresh   Home   Search   Favorites   History   Print

Address D:\Allusers\savi\project\logout.html

E-PROCUREMENT

Thanks for visiting

If by mistake you have logged out then please

Login