

STRATEGIC IMPLEMENTATION OF SCM WITH GST TAX SETUP

BY

S.RAMYA

(15PCA005)

Project Report Submitted

In Partial fulfillment of the requirements for the award of

Master's Degree in Computer Applications

Department of Computer Science,

Avinashilingam Institute for Home Science and Higher Education for

Women, (Deemed to be University),

Coimbatore-641043

April-2018

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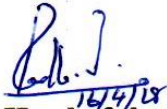
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Signature of the Head of the Department



Signature of the Supervisor

Viva Voce Examination Held on: _____

Signature of the Examiners

CERTIFICATE

THE RAMARAJU SURGICAL COTTON MILLS LIMITED

Manufacturers of Antiseptic Dressings

Date:04.04.2018

TO WHOM SO EVER IT MAY CONCERN

This is to certify that, Ms.S.RAMYA (15PCA005) doing final year MCA at AVINASHILINGAM INSTITUTE FOR HOME SCIENCE AND HIGHER EDUCATION FOR WOMEN – COIMBATORE, has successfully completed her academic project work “STRATEGIC IMPLEMENTATION OF SCM WITH GST TAX SETUP” in our concern for the period starting from December 2017 to April 2018.

For THE RAMARAJU SURGICAL COTTON MILLS LTD.,


(P.R. RAMASUBRAMANIAN)
Chief Financial Officer.



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Finally, I also extend my sincere thanks to one and all who helped me directly or indirectly for carrying out this work.

ABSTRACT

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The project titled as “**STRATEGIC IMPLEMENTATION OF SCM WITH GST TAX SETUP**” is developed using Front End ASP. Net with C#and Back End Microsoft SQL.

This was done atRAMCO Group Textile Division. RAMCO ERP (Enterprise Resource Planning) is a product which supports to handle the entire process of an organization. Modules include Production, Finance and Accounting, Sales, Supply Chain Management (SCM), Quality Management, Cost Management, Enterprise Asset Management (EAM) and Human Resource Management (HRM). Based on the organization need, every module can be customized and configured.

From the RAMCO ERP modules, I have chosen Supply Chain Management to support and handle the Supplier/Vendor interaction with organization (i.e., From Goods Purchase to Inventory Process).The idea of the projectis to develop a web application for a company which includes purchase and inventory with GST Tax Setup and report generation.

CONTENTS

TABLE OF CONTENTS

S.NO.	PARTICULARS	PAGE
1.	INTRODUCTION	1
	1.1. PROBLEM DEFINITION	
	1.2. OVERVIEW OF THE PROJECT	
2.	SYSTEM SPECIFICATION	3
	2.1. HARDWARE SPECIFICATION	
	2.2. SOFTWARE SPECIFICATION	
	2.3. ABOUT THE SOFTWARE	
3.	SYSTEM STUDY AND ANALYSIS	6
	3.1. EXISTING SYSTEM	
	3.2. PROPOSED SYSTEM	
4.	SYSTEM DESIGN	7
	4.1. INPUT DESIGN	
	4.2. OUTPUT DESIGN	
5.	SYSTEM DEVELOPMENT	9
	5.1. MODULES	
	5.2. MODULE DESCRIPTION	
6.	SYSTEM TESTING AND IMPLEMENTATION	11
7.	CONCLUSION	14
8.	SCOPE FOR FUTURE ENHANCEMENT	15
9.	BIBLIOGRAPHY	16
10.	APPENDIX	17
	10.1. DATA FLOW DIAGRAMS	
	10.2. SCREEN SHOTS	
	10.3. TABLE DESIGN	
	10.4. SAMPLE CODING	

INTRODUCTION

1. INTRODUCTION

1.1. PROBLEM DEFINITION

The aim of the project is to develop a web based application for Supply Chain Management (SCM) which includes purchase and inventory with GST Tax Setup.

1.2. OVERVIEW OF THE PROJECT

The project entitled as “**STRATEGIC IMPLEMENTATION OF SCM WITH GST TAX SETUP**” is developed using Front End ASP. Net with C# and Back End Microsoft SQL.

The project is mainly focused on the business oriented technique, i.e., the application is used by the Enterprise Resource Planning (ERP), which fully focused on the vendor and the company interactions. RAMCO ERP (Enterprise Resource Planning) is a product which supports to handle the entire process of an organization by system.

Supply Chain Management (SCM) supports and handles the Supplier/Vendor interaction within the organization (i.e., From Goods Purchase to Inventory Process). The idea of the project is to develop a web application for a company which includes purchase and inventory with GST Tax Setup.

GST is a destination based tax, an end user consuming any goods or services is liable to pay the Goods and Services Tax. The tax is received by the State in which the goods or services are consumed and not by the state in which such goods are manufactured.

GST is categorized into CGST, SGST or IGST depending on whether the transaction is Intra-State or Inter-State.

- **Intra-State supply of goods or services** is when the location of the supplier and the place of supply i.e., location of the buyer are in the same state. In Intra-State transactions, a seller has to collect **both CGST and SGST** from the buyer. The CGST gets deposited with Central Government and SGST gets deposited with State Government.
- **Inter-State supply of goods or services** is when the location of the supplier and the place of supply are in different states. In an Inter-State transaction, a seller has to collect **IGST** from the buyer.

SYSTEM SPECIFICATION

2. SYSTEM SPECIFICATION

2.1. HARDWARE SPECIFICATION

System	:	Lenovo
Processor	:	Pentium® Dual Core CPU T4500
Processor Speed	:	2.30GHz
Main Storage	:	2 GB RAM
Keyboard	:	standard PS/2 keyboard
Mouse	:	PS/2 compatible mouse
Monitor	:	Generic PnP monitor

2.2. SOFTWARE SPECIFICATION

Operating System	:	Windows 7 Ultimate
Front End	:	ASP. Net with C#
Back End	:	MS SQL Server

2.3. ABOUT THE SOFTWARE

FRONT END:

ASP.NET

ASP stands for Active Server Pages. ASP.NET is a web application framework developed and marketed by Microsoft to allow programmers to build dynamic web sites, web applications and web services. It is a server side scripting technology that enables scripts (embedded in web pages) to be executed by an Internet server. An ASP.NET file can contain HTML, XML, and scripts. An ASP.NET file has the file extension ".aspx".

The ASP.NET works as follows:

- When a browser requests an HTML file, the server returns the file
- When a browser requests an ASP.NET file, IIS(Internet Information Services) passes the request to the ASP.NET engine on the server
- The ASP.NET engine reads the file, line by line, and executes the scripts in the file
- Finally, the ASP.NET file is returned to the browser as plain HTML

In ASP.NET, a page is loaded in the client browser. And the server may be in another location. When we click on the button in an ASP.NET page, the 'click event' handler has to be executed on the server. When we write an event handler for a button click or something like that in ASP.NET, lot of things happens behind the screens.

Advantages:

1. ASP.NET drastically reduces the amount of code required to build large applications.
2. With built-in Windows authentication and per-application configuration, your applications are safe and secured.
3. The ASP.NET framework is complemented by a rich toolbox and designer in the Visual Studio integrated development environment.

C#

C# is a hybrid of C and C++, it is a Microsoft Programming language developed to compete with Sun's Java language. C# is an object-oriented programming language used with XML-based web services on the .NET platform and designed for improving productivity in the development of web applications.

BACKEND:

MS SQL SERVER

A database management, or DBMS, gives the user access to their data and helps them transform the data into information. Such database management systems include dBase, paradox, IMS, SQL Server and SQL Server. These systems allow users to create, update and extract information from their database.

SQL Server is Microsoft's relational database management system (RDBMS). It is a full-featured database primarily designed to compete against competitors Oracle Database (DB) and My SQL.

During an SQL Server Database design project, the analysis of your business needs identifies all the fields or attributes of interest. If your business needs change over time, you define any additional fields or change the definition of existing fields.

SQL Server stores records relating to each other in a table. Different tables are created for the various groups of information. Related tables are grouped together to form a database.

SYSTEM STUDY AND ANALYSIS

3. SYSTEM STUDY AND ANALYSIS

System analysis is the comparative study of existing system and proposed system. It helps to understand the functions of the existing system. So it exposes the requirements and expansion of existing system.

3.1. EXISTING SYSTEM

In existing system,

- After authorizing the purchase request, quotation process is in manual form.
- While entering for purchase request, the process cannot check for the minimum or maximum quantity availability.

DISADVANTAGES

- There will be less chance for secure tender.
- Scope for manipulating the quotations.

3.2. PROPOSED SYSTEM

Proposed System is being designed in such a way that the system automates the quotation process through mail.

It will generate an alert message to the manager if the stock is below the minimum quantity or exceeds the maximum quantity.

ADVANTAGES

- Minimizes processing time.
- Savings in man power, and reduces the scope of manipulations.
- Data redundancy is minimized.

SYSTEM DESIGN

4. SYSTEM DESIGN

4.1. INPUT DESIGN

Input design is one of the most expensive phases of the operations of any computerized system and is often the major problem of a system. A larger number of problems with a system can usually be traced back to fault input design and method. Needless to say, therefore that the input data is the life block of a system and has to be analyzed and designed with the most consideration.

The objectives considered during input design are:

- Nature of input processing.
- Flexibility and thoroughness of validation rules.
- Handling of properties within the input documents.
- Screen design to ensure accuracy and efficiency of the input relationship with files.
- Careful design of the input also involves attention to error handling, controls, batching and validation procedures.

System analysts decide the following input design details like, what data item to input, what medium to use, how the data should be arranged or coded data items and transaction needing validations to detect errors and at last the dialogue to guide users in providing input.

The modules that are involved in this project mainly focused on the GST Tax calculation for an ordered item. The each item has the separate ITEMCODE where we supply item details as an input and every vendor has their own VENDORCODE with their details.

The design of input covers all phases of input from the initial data to actual data entering to the system for processing. The design of inputs involves identifying the data needed, specifying the characteristics of each data items⁵ and preparing data for computer processing and ensuring correctness of data.

4.2. OUTPUT DESIGN

Output design generally refers to the results and information that are generated by the system based on the available item information and supplier details.

The output is designed in such a way that it is convenient and informative. Pages are designed in ASP.Net with C#.

Output design is very important concept in the computerized system, without reliable output the user may feel the entire system is unnecessary and avoids using it. The proper output design is important in any system and facilitates decision-making.

As the outputs are the most important sources of information to the users. The system generates a Quotation Comparison report based on this best vendor will be chosen. The system also generates a Purchase Order report by calculating GST Tax as an output. When the personnel enters the available quantity of the item during purchase request process and click the 'checkquantity' button, it will generate an alert message as an output.

SYSTEM DEVELOPMENT

5. SYSTEM DEVELOPMENT

5.1. MODULES

- Purchase Module
- Inventory Module

5.2. MODULE DESCRIPTION

PURCHASE MODULE

In Purchase process, relevant personnel can initiate their “Purchase Request Note” and higher officials will authorize their request and purchase order will release as per following procedures:

- Request for Quotation

In this process the company will send the item necessary details to the vendor and this request for items will be send to various vendors.

- Quotation

In this process we get various quotations from the vendor for the Items that are requested to that vendor.

- Quotation Comparison

In this process the various quotations from the vendors for particular item will be compared. Based on the rate or quality, the best quotation will be approved by the higher authorities.

- Purchase Order

The order for the item will be generated based on the best chosen quotation from the vendor. It also generates the total amount for the ordered goods with GST Tax setup.

GOODS RECEIPT STATUS

After receiving goods from vendor, three steps are followed

- Receipt

In this process, the store in-charge will enter the receipt details of the item which is received from the vendor to make it stored in the warehouse.

- Inspection

The employee who raise the purchase order will be cross checked that the order they availed is necessary or not.

- Movement

The store in-charge will check the ordered item against the delivered item. If it satisfies the condition, the goods will be moved to the warehouse where it has to be stored.

INVENTORY MODULE

In Inventory process, stocked materials to be issued to the relevant users by using procedure given below:

- MRN - Material Request Note

The required items can be requested through MRN.

SYSTEM TESTING AND IMPLEMENTATION

6. SYSTEM TESTING AND IMPLEMENTATION

6.1. TESTING OBJECTIVES

Software testing is the stage of implementation that is aimed at assuring that the software works accurately and efficiently before live open commences. Testing is a process that should be done during the development process. It is a verification and validation process. Testing is vital to the success of the software usage. Software testing makes a logical assumption that if all parts of the software are correct, the goal will be successfully achieved.

6.2. TESTING METHODOLOGIES

The following are the testing methodologies,

- UNIT TESTING
- INTEGRATION TESTING
- VALIDATION TESTING

UNIT TESTING

Unit or module testing is the process of testing the individual components of a program. Unit Testing exercises a specific path in a module's control structure, to ensure complete coverage and maximum error detection. Unit Testing is done on individual modules as they are completed and become executable. The purpose is to discover discrepancies' between the modules interface specification and its actual behaviour.

Unit Test Cases

S.No.	Tested Module	Test Case Description	Expected Result	Actual Result
1	Login	User enters the valid data username and password	System should accept the user name and password if its stored in database	System should accept the user name and password if its stored in database
2	Item Master	User enters 'authorize' button to authorize an item code	System should allow the user to 'authorize' if the 'itemcode' is only in 'fresh' state	System should allow the user to 'authorize' if the 'itemcode' is only in 'fresh' state
3	Vendor Master	User enters 'delete' button to delete particular vendordetails from table	System should allow the user to delete if the 'vendorcode' is only in 'fresh' state	System should allow the user to delete if the 'vendorcode' is only in 'fresh' state

INTEGRATION TESTING

Integration testing ensures that software and subsystems work together as a whole. It tests the interface of all the modules to make sure that the modules behave properly when integrated together. Integration testing addresses the issues associated with the dual problems of verification and program construction. After the software has been integrated a set of high order tests are conducted. The main objective in this testing process is to take unit tested modules and builds a program structure that has been dictated by design. In this testing, integrate all the modules and test the whole project.

VALIDATION TESTING

The system has been tested and implemented successfully and thus ensured that all the requirements as listed in the software requirements specification are completely fulfilled. Validation helps in building the right product as per the customer's requirement and helps in satisfying their needs. Validation is basically done by the testers during the testing. In case of erroneous input corresponding error messages are displayed.

CONCLUSION

7. CONCLUSION

The Project “**STRATEGIC IMPLEMENTATION OF SCM WITH GST TAX SETUP**” is completed satisfying the required design specifications.

This project involves development of a web based application which includes purchase and inventory with GST Tax Setup. This web application generates an alert message which makes the purchase order process easier and makes request process more efficient and reliable, mail access is enabled such that quotation could be sent through mail. Various reports are also generated .The project developed in ASP.NET has proved to be a very user friendly system.

SCOPE FOR FUTURE ENHANCEMENT

8. SCOPE FOR FUTURE ENHANCEMENT

In future E-Way Bill will be received from vendor and entered the details in Goods Receipt.

E-Way Bill is an electronic way bill for movement of goods which can be generated on the E-Way Bill Portal. Transport of goods of more than Rs.50, 000 (Single Invoice/bill/delivery receipt) in value in a vehicle cannot be made by a registered person without an E-Way bill.

BIBLIOGRAPHY

9. BIBLIOGRAPHY

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- Ross Mistry, Stacia Misner, “**Introducing Microsoft SQL Server 2014**”, Microsoft Press, 1 edition, 2014.
- Sashikant Sutar, “**Web Design and ASP.Net**”, New Age International (P) Limited Publishers, First edition, 2007.

WEBSITES

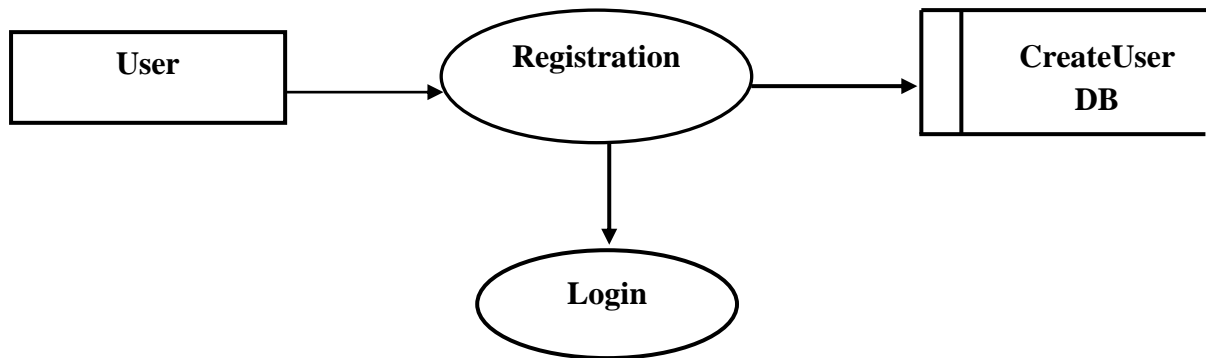
- <https://www.msdn.microsoft.com>
- https://www.w3schools.com/asp.net/aspnet_examples.asp
- <https://cleartax.in/s/what-is-sgst-cgst-igst>
- <https://www.itegritygroup.com/asp-net-advantages/>
- https://www.webopedia.com/TERM/C/C_sharp.html
- https://en.wikipedia.org/wiki/Microsoft_SQL_Server

APPENDIX

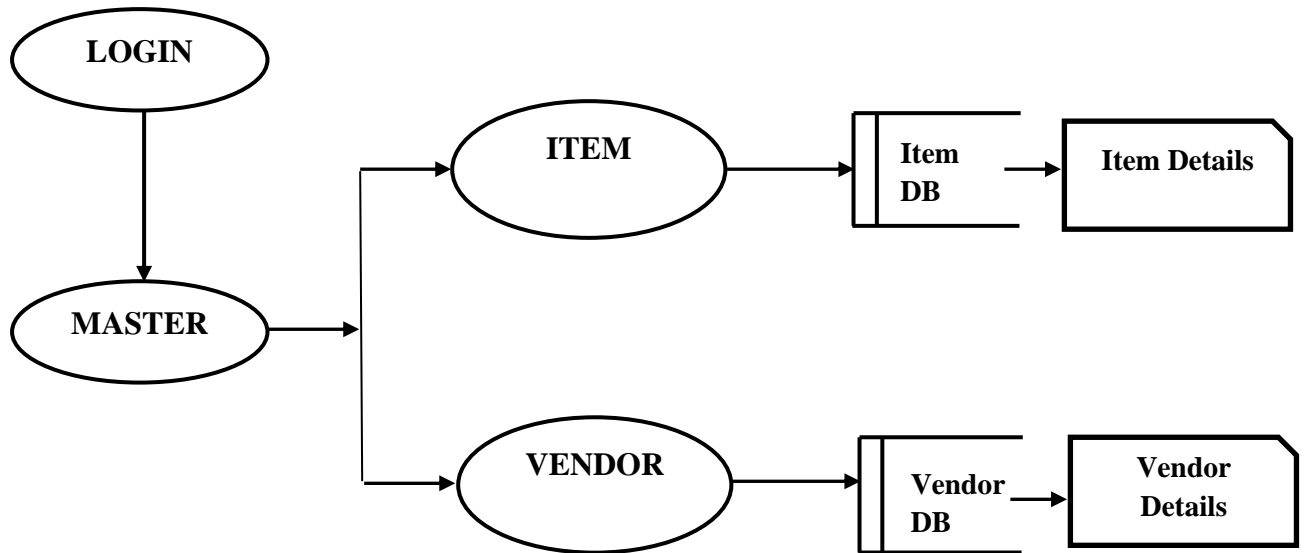
10. APPENDIX

10.1. DATA FLOW DIAGRAMS

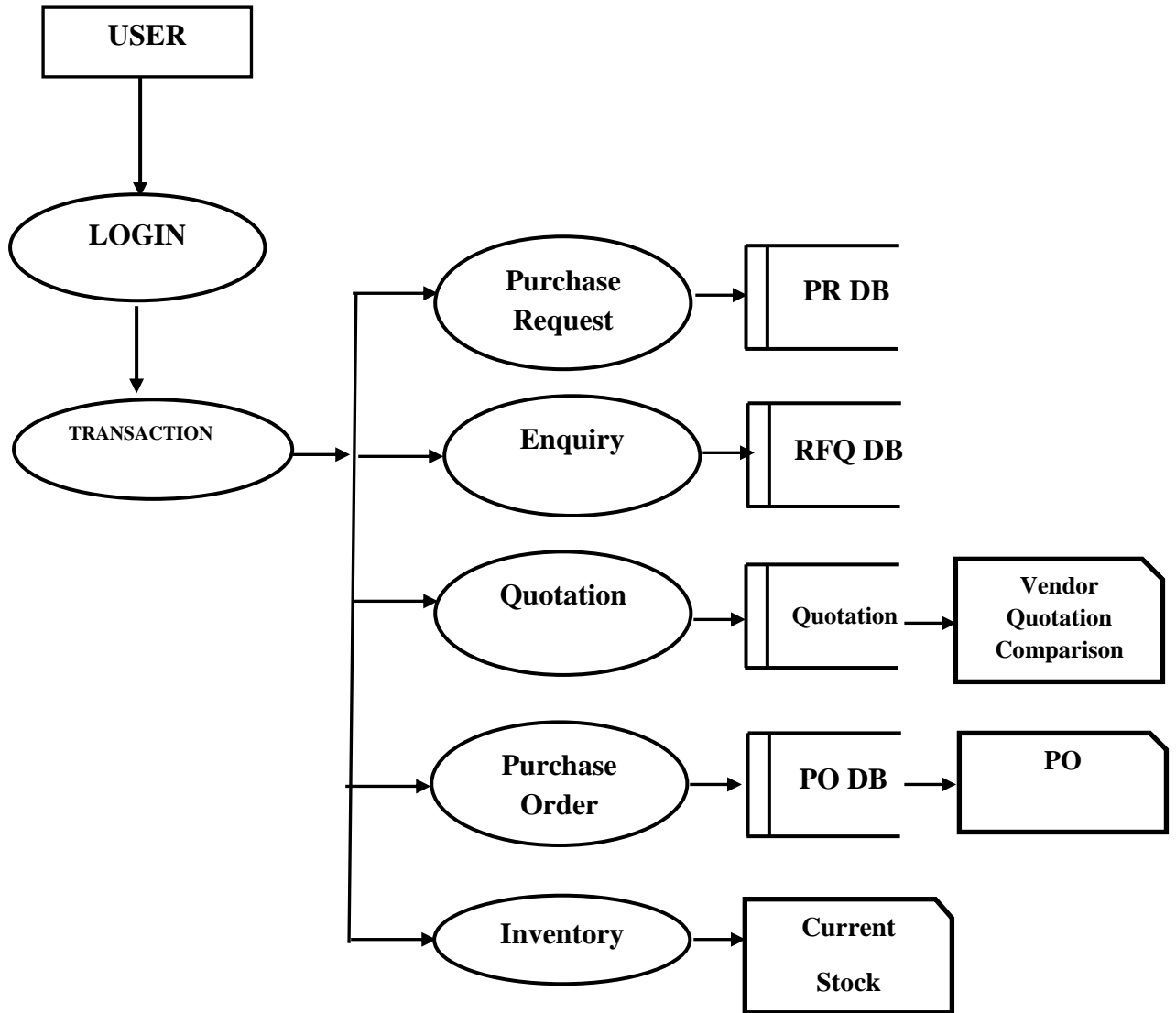
LEVEL 0:



LEVEL 1:



LEVEL 2:



10.2. SCREEN SHOTS

http://localhost:49328/SCMProject/CreateUser.aspx - Windows Internet Explorer

http://localhost:49328/SCMProject/CreateUser.aspx

ramco **RAMCO GROUP TEXTILE DIVISION** [Login](#)

Create New User

User Name:

Password:

Confirm Password:

Email ID:

Security Question:

Security Answer:

Done

Internet | Protected Mode: Off

22:20 14-04-2018

Figure 1: New User Creation

http://localhost:49328/SCMProject/Login.aspx - Windows Internet Explorer

http://localhost:49328/SCMProject/Login.aspx

ramco **RAMCO GROUP TEXTILE DIVISION**

User Name:

Password:

[Forgot Your Password?](#) [Create New User Account](#)

3D character holding a key

Login.aspx

Internet | Protected Mode: Off

22:32 14-04-2018

Figure 2: Login



Figure 3: Forgot Password



Figure 4: Change Password



Figure 5: Home Page

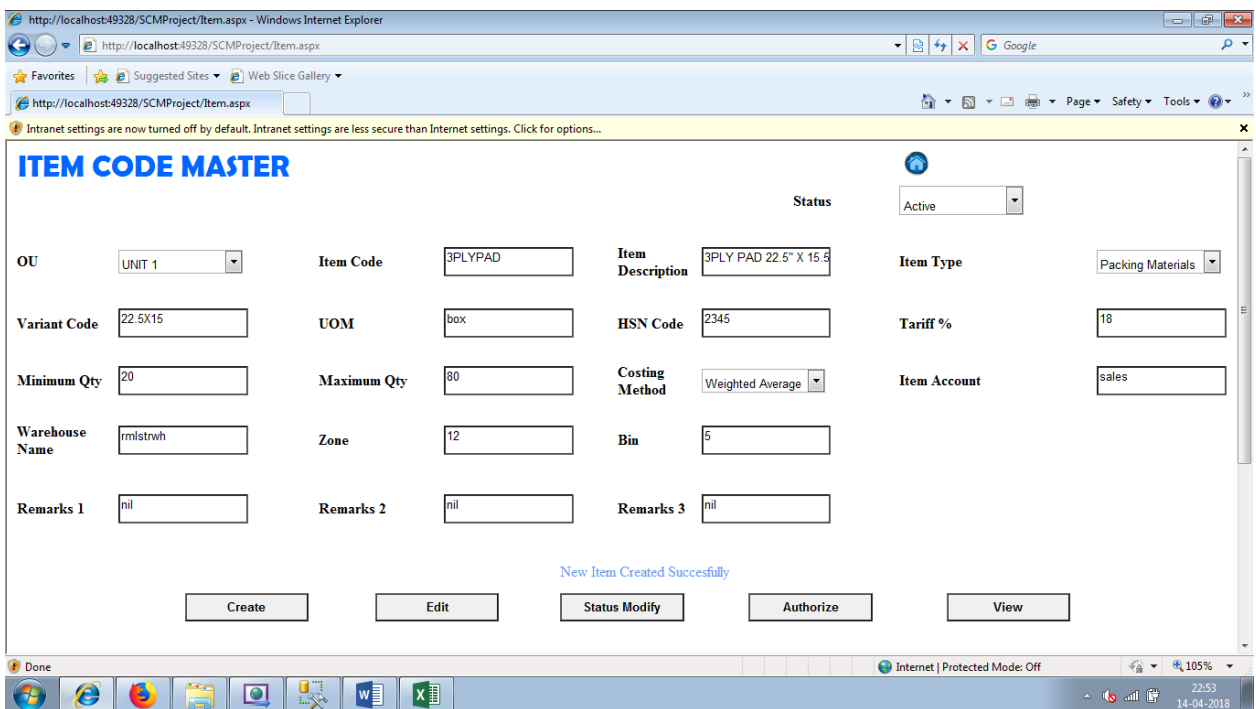


Figure 6: Item Creation

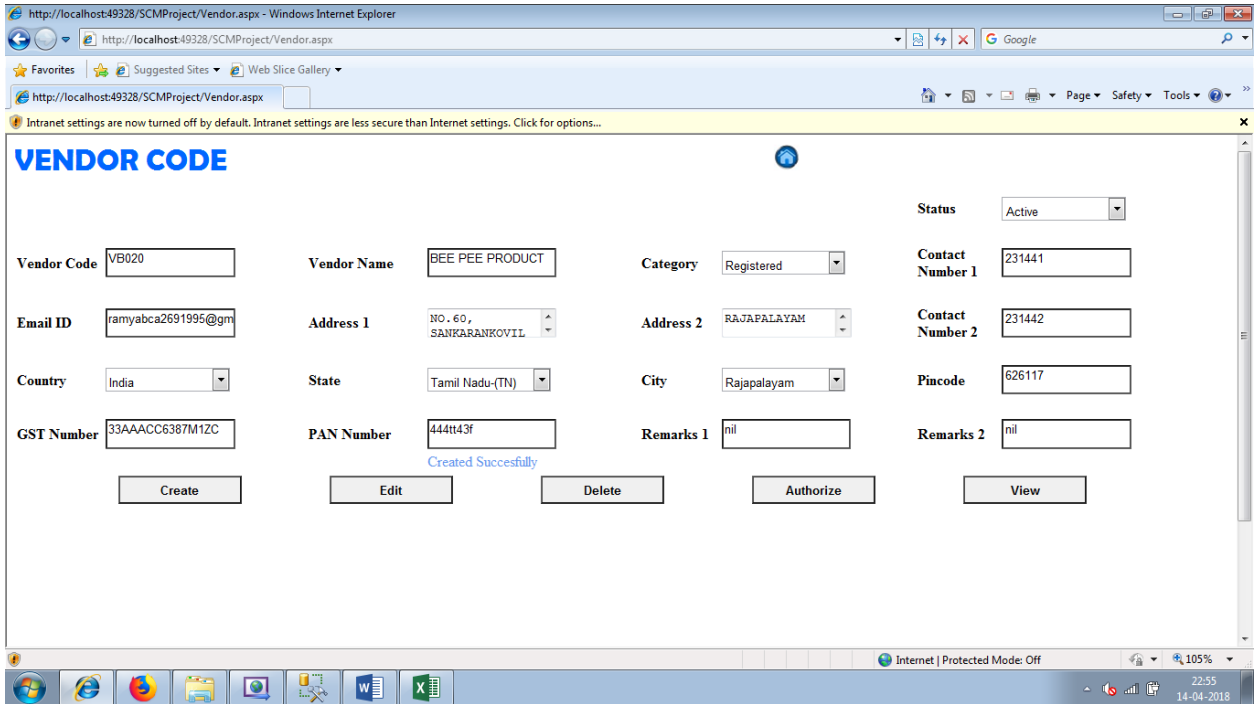


Figure 7: Vendor Creation

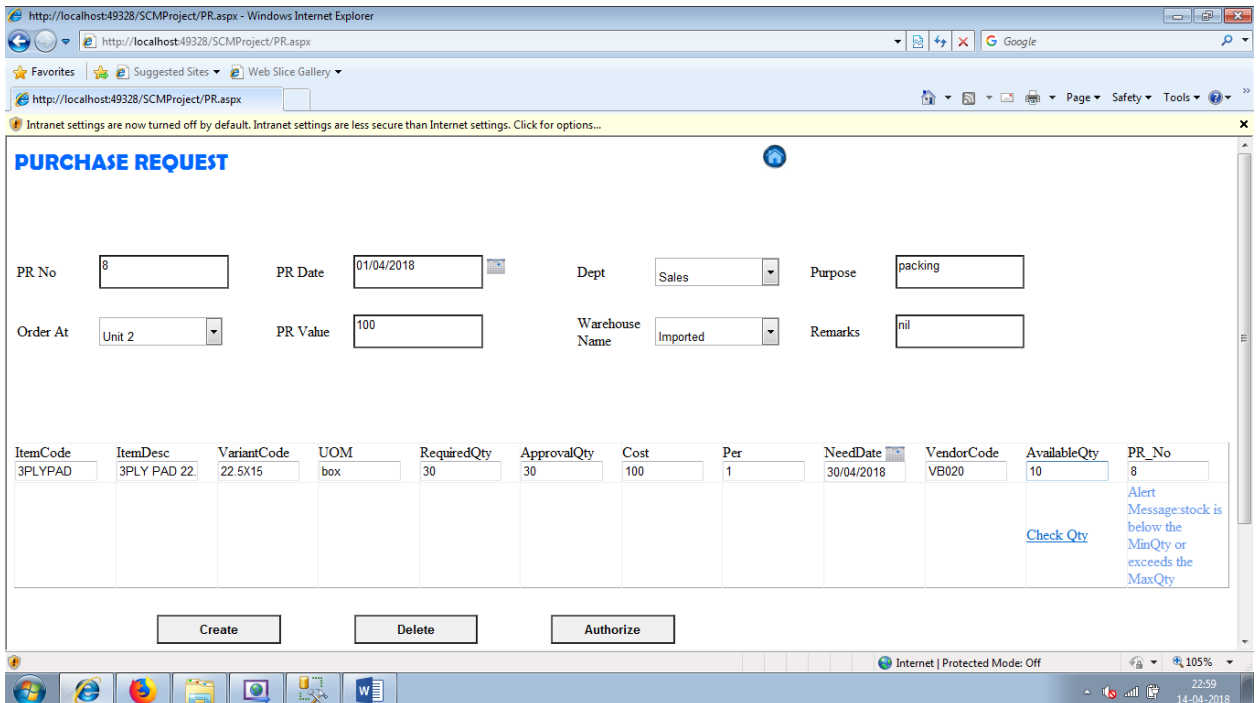


Figure 8: Purchase Request (Check Quantity)

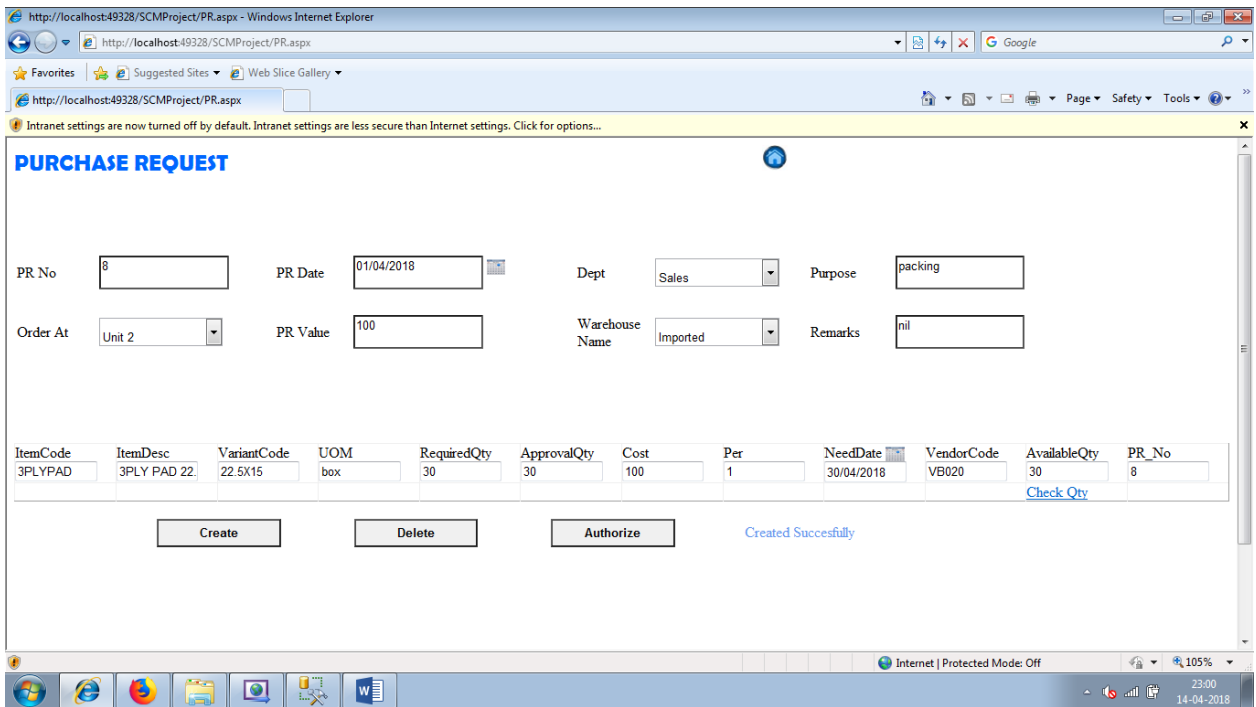


Figure 9: Purchase Request

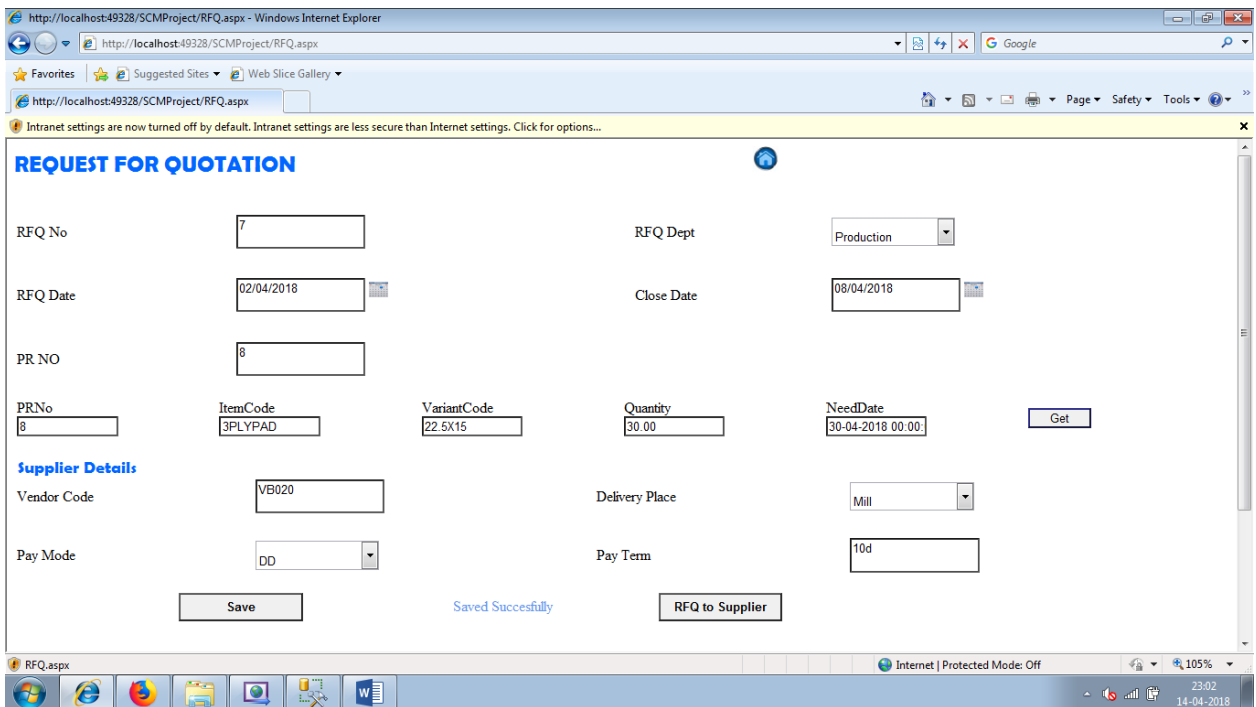


Figure 10: Request for Quotation

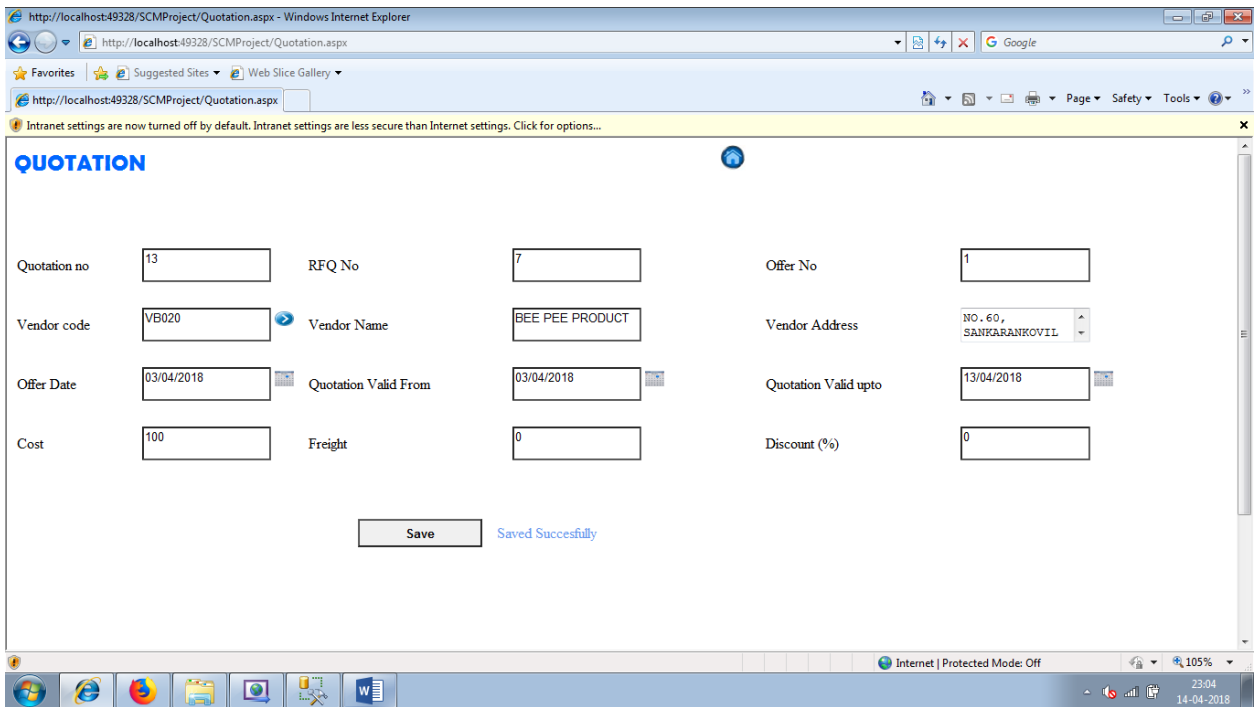


Figure 11: Quotation from Vendor

QUOTATION COMPARISON

Quot No	Vendor Code	Offer Date	Valid From	Valid Upto	Freight	Discount	Cost
1	VS101	11-04-2017 00:00:00	12-04-2017 00:00:00	16-04-2017 00:00:00	30.00	0.00	270.00
2	VS102	11-04-2017 00:00:00	12-04-2017 00:00:00	16-04-2017 00:00:00	50.00	10.00	265.00
3	VS103	11-04-2017 00:00:00	12-04-2017 00:00:00	16-04-2017 00:00:00	0.00	0.00	275.00
4	VS104	11-04-2017 00:00:00	12-04-2017 00:00:00	16-04-2017 00:00:00	0.00	0.00	280.00
5	VS105	11-04-2017 00:00:00	12-04-2017 00:00:00	16-04-2017 00:00:00	30.00	0.00	260.00
6	VS101	07-04-2017 00:00:00	07-04-2017 00:00:00	10-04-2017 00:00:00	0.00	0.00	1400.00
7	VS102	07-04-2017 00:00:00	07-04-2017 00:00:00	10-04-2017 00:00:00	30.00	10.00	1300.00
8	VS103	07-04-2017 00:00:00	07-04-2017 00:00:00	10-04-2017 00:00:00	10.00	0.00	1500.00
9	VS101	12-04-2017 00:00:00	12-04-2017 00:00:00	15-04-2017 00:00:00	0.00	0.00	5.00
10	VS105	07-03-2018 00:00:00	08-03-2018 00:00:00	17-03-2018 00:00:00	0.00	0.00	330.00
11	VS103	07-04-2017 00:00:00	07-04-2017 00:00:00	10-04-2017 00:00:00	0.00	0.00	3.00
12	VS104	12-04-2017 00:00:00	12-04-2017 00:00:00	15-04-2017 00:00:00	0.00	0.00	2.70
13	VB020	03-04-2018 00:00:00	03-04-2018 00:00:00	13-04-2018 00:00:00	0.00	0.00	100.00

Figure 12: Quotation Comparison Report

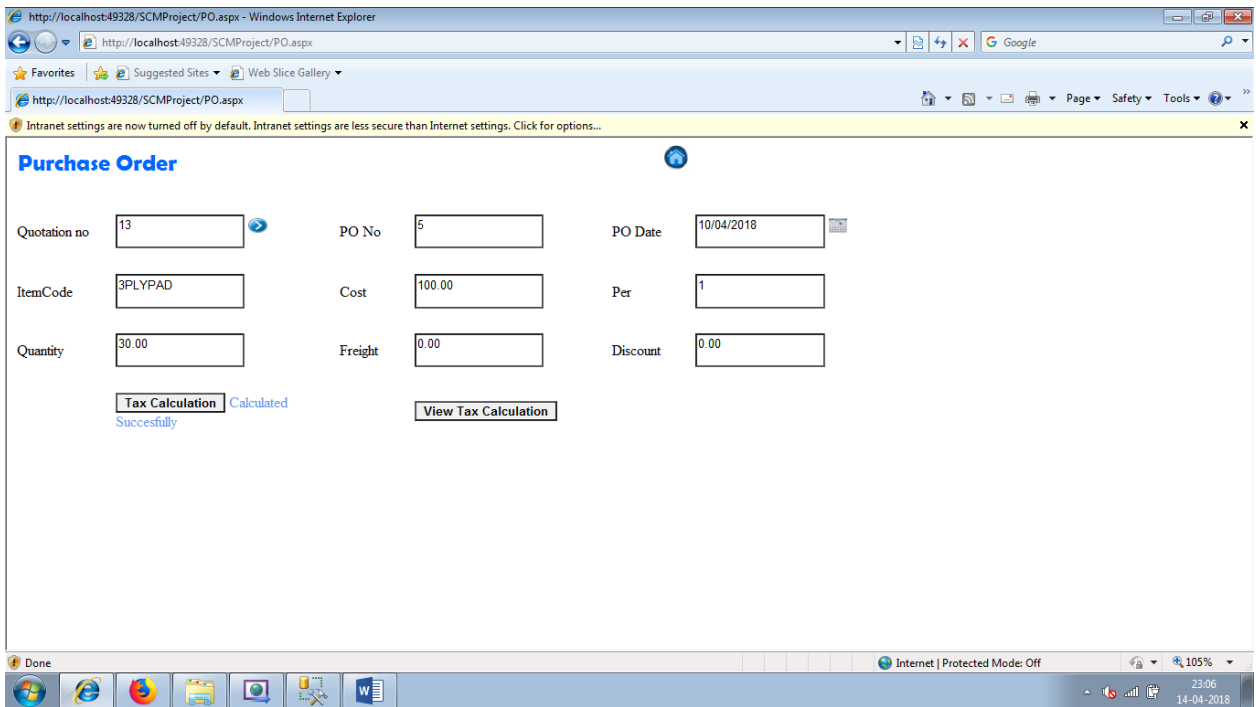


Figure 13: Purchase Order

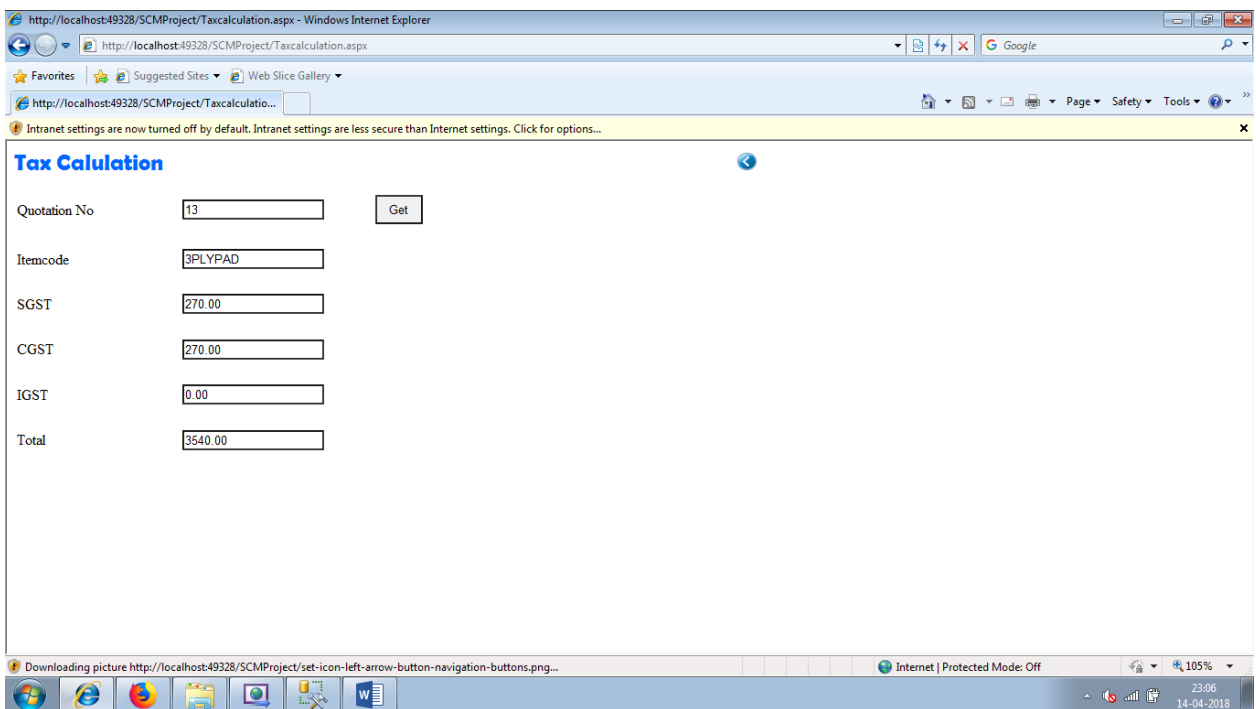


Figure 14: GST Tax Calculation

http://localhost:49328/SCMProject/POReport.aspx - Windows Internet Explorer

http://localhost:49328/SCMProject/POReport.aspx

http://localhost:49328/SCMProject/POReport.aspx

Intranet settings are now turned off by default. Intranet settings are less secure than Internet settings. Click for options...

PURCHASE ORDER REPORT

Vendor Code	Vendor Name	Address	Contact	City	State	GST No	PO No	PO Date	Pay Term	Pay Mode	Quot No	Item Desc	HSN Code	UOM	Cost	Quantity	SGST	CGST	IGST	Total
VS102	SUN TEX ASSOCIATES	62-C BALAJI NAGAR	623154	Coimbatore	Tamil Nadu-(TN)	33BAQASASIPQRS	3	15-04-2017 00:00:00	30D	DD	7	DEEP GROOVE 60/130x31 -6312-10043131	84821011	nos	1300.00	50.00	5850.00	5850.00	0.00	76720.00
VB020	BEE PEE PRODUCT	NO.60, SANKARANKOVIL ROAD	231441	Rajapalayam	Tamil Nadu-(TN)	33AAACC6387M1ZC	5	10-04-2018 00:00:00	10d	DD	13	3PLY PAD 22.5" X 15.5"	2345	box	100.00	30.00	270.00	270.00	0.00	3540.00
VS105	SS Global Logistics	408/3B,MADURAI BYE PASS ROAD	2340994		Andhra Pradesh -(AP)	37BAQASASISORZ	2	20-03-2018 00:00:00	10D	Cheque	10	VBELT	8484	nos	330.00	30.00	0.00	0.00	1782.00	11682.00

Done

Internet | Protected Mode: Off

23:19 14-04-2018

Figure 15: Purchase Order Report

http://localhost:49328/SCMProject/Receipt.aspx - Windows Internet Explorer

http://localhost:49328/SCMProject/Receipt.aspx

http://localhost:49328/SCMProject/Receipt.aspx

Intranet settings are now turned off by default. Intranet settings are less secure than Internet settings. Click for options...

RECEIPT

Receipt No	<input type="text" value="3"/>	Receipt Date	<input type="text" value="01/05/2018"/>
PO No	<input type="text" value="5"/>	PO Date	<input type="text" value="10-04-2018 00:00:00"/>
Vendor Code	<input type="text" value="VB020"/>	Vendor Name	<input type="text" value="BEE PEE PRODUCT"/>
Item Code	<input type="text" value="3PLYPAD"/>	Variant Code	<input type="text" value="22.5X15"/>
Warehouse	<input type="text" value="rmlstrwh"/>	Bin	<input type="text" value="5"/>
Zone	<input type="text" value="12"/>	Ordered Qty	<input type="text" value="30.00"/>
Accepted Qty	<input type="text" value="30"/>	Balance Qty	<input type="text" value="0"/>

Saved Successfully

Done

Internet | Protected Mode: Off

23:11 14-04-2018

Figure 16: Receipt

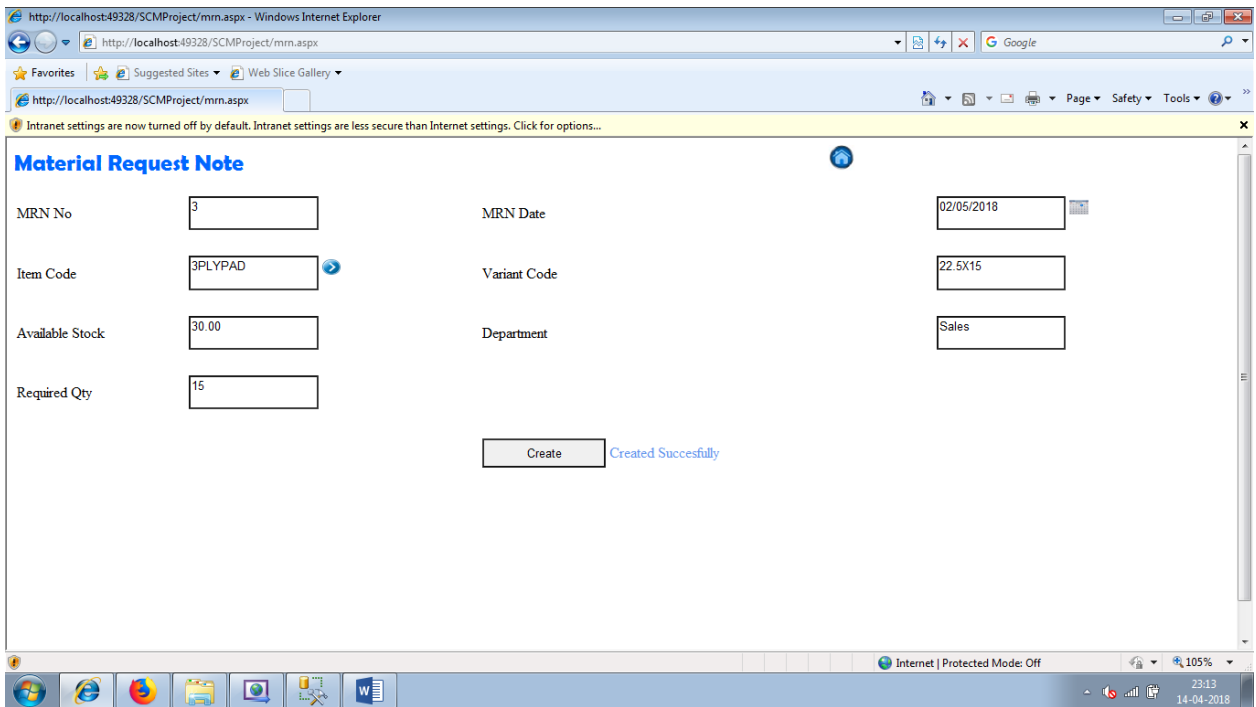


Figure 17: Material Request Note

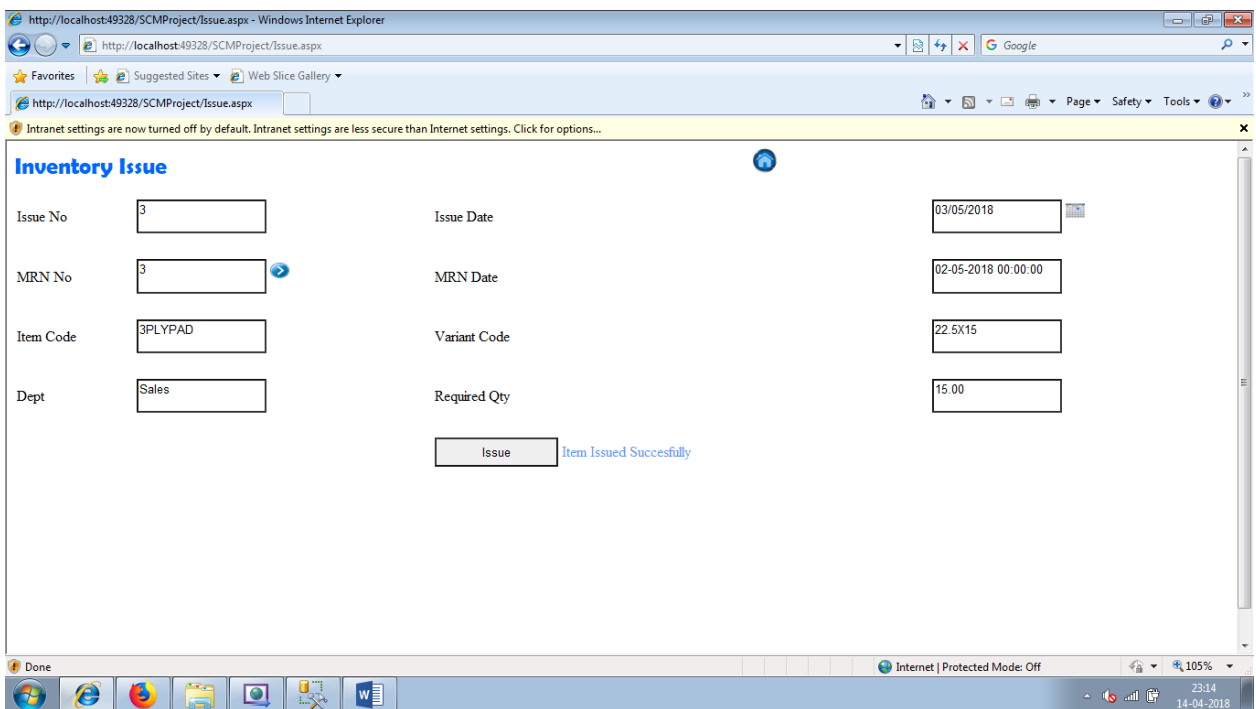


Figure 18: Inventory Issue

The screenshot shows a web browser window titled "http://localhost:49328/SCMProject/Currentstock.aspx - Windows Internet Explorer". The address bar contains "http://localhost:49328/SCMProject/Currentstock.aspx". A yellow warning bar at the top of the page content states: "Intranet settings are now turned off by default. Intranet settings are less secure than Internet settings. Click for options...".

The main content area features a light blue header box with the text *CURRENT STOCK REPORT*. Below this is a table with the following data:

itemcode	itemdesc	hsnocode	warehouse	zone	availablestock
BALL-BRG	DEEP GROOVE 60/130x31-6312-10043131	84821011	RMUSTRWH	7	10.00
VBELT	VBELT	8484	RMLSTRWH	6	10.00
3PLYPAD	3PLY PAD 22.5" X 15.5"	2345	rmlstrwh	12	15.00

The browser's status bar at the bottom shows "Done", "Internet | Protected Mode: Off", and a zoom level of "135%". The Windows taskbar at the very bottom displays the system tray with the date "14-04-2018" and time "23:18".

Figure 19: Current Stock Report

http://localhost:49328/SCMPProject/itemreport.aspx - Windows Internet Explorer

http://localhost:49328/SCMPProject/itemreport.aspx

http://localhost:49328/SCMPProject/itemreport.as...

Intranet settings are now turned off by default. Intranet settings are less secure than Internet settings. Click for options...

ITEM DETAILS

Item Code	Item Desc	Item Type	Variant Code	UOM	HSN Code	Tariff	Min Qty	Max Qty	Costing	Item Acc	Warehouse	Zone	Bin
INSULATION	TAPE ROLL 0.75 INCHS	Spare Parts	0.75"	nos	3919	18.00	5.00	50.00	Weighted Average	Electrical	RMUSTRWH	5	2
BALL-BRG	DEEP GROOVE 60/130x31-6312-10043131	Spare Parts	10043131	nos	84821011	18.00	15.00	75.00	Weighted Average	Maintenance	RMUSTRWH	7	0
SELECTOR	SELECTOR ACTUATOR 2 POSITION TECH.MAKE	Spare Parts	NC	nos	8536	18.00	25.00	55.00	Weighted Average	Maintenance	RMUSTRWH	10	0
ELEMENT	ELEMENT NO . TECH MAKE	Tools	No	nos	8535	18.00	2.00	25.00	Weighted Average	Maintenance	RMLSTRWH	5	0
3PLYPAD	3PLY PAD 22.5" X 15.5"	Packing Materials	22.5X15	box	2345	18.00	20.00	80.00	Weighted Average	sales	rmlstrwh	12	5
VBELT	VBELT	Spare Parts	A62-V24	nos	8484	18.00	25.00	60.00	Weighted Average	Mechanical	RMLSTRWH	6	0
	AIR COIL								Weighted				

Done

Internet | Protected Mode: Off

23:20
14-04-2018

Figure 20: Item Details Report

http://localhost:49328/SCMPProject/vendor%20report.aspx - Windows Internet Explorer

http://localhost:49328/SCMPProject/vendor%20report.aspx

http://localhost:49328/SCMPProject/vendor%20re...

Intranet settings are now turned off by default. Intranet settings are less secure than Internet settings. Click for options...

VENDOR DETAILS

Vendor Code	Vendor Name	Category	Email Id	Address1	Address2	Contact No1	Contact No2	Country	State	City	Pincode	GST No
VS101	SREE VARU ELECTRONIC	Registered	ramyabca2691995@gmail.com	401, TENKASI ROAD	401, TENKASI ROAD	2230783	2230783	India	Tamil Nadu-(TN)	Rajapalayam	626117	33BABCXYZPQRST
VS102	SUN TEX ASSOCIATES	Registered	ramyabca2691995@gmail.com	62-C BALAJI NAGAR	UPPILIPALAYAM POST	623154	623154	India	Tamil Nadu-(TN)	Coimbatore	641015	33BAQASASIPQRS
VS103	SRI SABARI MARKETING	Registered	ramyabca2691995@gmail.com	NO 223M,Chettipalayam Road	Eachanari Post	623235	623236	India	Tamil Nadu-(TN)	Coimbatore	641021	33BAQASASIPORZ
VS104	SPIRAX MARSHALL PVT	Registered	ramyabca2691995@gmail.com	Vijayawada Road	Kasarwadi Post	823235	823236	India	Andhra Pradesh -(AP)		411034	37BAQASASIPORZ
		Registered				0	0	India	Kerala-(KL)	Rajapalayam	0	

Done

Internet | Protected Mode: Off

23:21
14-04-2018

Figure 21: Vendor Details Report

10.3. TABLE DESIGN

Table name : Create User

FIELD NAME	DATA TYPE	LENGTH
username	varchar	50
password	varchar	50
emailid	varchar	50
sques	varchar	50
sans	varchar	50

Table name : Item

FIELD NAME	DATATYPE	LENGTH
statustype	varchar	10
ou	varchar	10
itemcode	varchar	20
itemdesc	varchar	50
itemtype	varchar	20
variantcode	varchar	8
uom	varchar	5
hsncode	int	-
tariff	numeric	22,2
minqty	numeric	22,2
maxqty	numeric	22,2

costing	varchar	30
itemacc	varchar	30
warehouse	varchar	20
zone	varchar	20
bin	varchar	20
itemcode_st	varchar	10

Table name : Quotation

FIELD NAME	DATATYPE	LENGTH
quotno	int	-
rfqno	int	-
vendorcode	varchar	50
offerdate	date	-
validfrom	date	-
validupto	date	-
offerno	int	-
freight	numeric	22,2
discount	numeric	22,2
cost	numeric	22,2

10.4. SAMPLE CODING

LOGIN PAGE:

```
using System;
using System.Data;
using System.Data.SqlClient;
using System.Configuration;
public partial class Login : System.Web.UI.Page
{
    SqlConnection con = new SqlConnection("Data
    Source=localhost;InitialCatalog=SCM;Integrated Security=true");
    protected void Page_Load(object sender, EventArgs e)
    {
    }
    protected void Button1_Click(object sender, EventArgs e)
    {
        SqlCommand cmd = new SqlCommand();
        cmd.CommandType = CommandType.StoredProcedure;
        cmd.Connection = con;
        cmd.CommandText = "sp_user_sel";
        cmd.Parameters.Add("@username", SqlDbType.VarChar).Value = TextBox1.Text;
        cmd.Parameters.Add("@password", SqlDbType.VarChar).Value = TextBox2.Text;
        con.Open();
        SqlDataAdapter da = new SqlDataAdapter(cmd);
        DataTable dt = new DataTable();
        da.Fill(dt);
        if (dt.Rows.Count == 1)
        { Response.Redirect("Default.aspx"); }
        else
        {
            Label5.Text = "Enter valid UserName and Password";
        }
    }
}
```

VENDOR PAGE:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;
using System.Configuration;
public partial class Vendor : System.Web.UI.Page
{
    SqlConnection con = new SqlConnection("Data
    Source=localhost;InitialCatalog=SCM;Integrated Security=true");
    protected void Page_Load(object sender, EventArgs e)
    {
    }
    protected void Button1_Click(object sender, EventArgs e)
    {
        SqlCommand cmd = new SqlCommand();
        cmd.CommandType = CommandType.StoredProcedure;
        cmd.Connection = con;
        cmd.CommandText = "sp_vendor_ins";
        cmd.Parameters.Add("@statustype", SqlDbType.VarChar).Value = DropDownList1.Text;
        cmd.Parameters.Add("@vendorcode", SqlDbType.VarChar).Value = TextBox1.Text;
        cmd.Parameters.Add("@vendorname", SqlDbType.VarChar).Value = TextBox2.Text;
        cmd.Parameters.Add("@category", SqlDbType.VarChar).Value = DropDownList5.Text;
        cmd.Parameters.Add("@emailid", SqlDbType.VarChar).Value = TextBox4.Text;
        cmd.Parameters.Add("@address1", SqlDbType.VarChar).Value = TextBox6.Text;
        cmd.Parameters.Add("@address2", SqlDbType.VarChar).Value = TextBox7.Text;
        cmd.Parameters.Add("@contactno1", SqlDbType.VarChar).Value = TextBox5.Text;
        cmd.Parameters.Add("@contactno2", SqlDbType.VarChar).Value = TextBox8.Text;
        cmd.Parameters.Add("@country", SqlDbType.VarChar).Value = DropDownList2.Text;
```

```

cmd.Parameters.Add("@state", SqlDbType.VarChar).Value = DropDownList3.Text;
cmd.Parameters.Add("@city", SqlDbType.VarChar).Value = DropDownList4.Text;
cmd.Parameters.Add("@pincode", SqlDbType.VarChar).Value = TextBox9.Text;
cmd.Parameters.Add("@gstno", SqlDbType.VarChar).Value = TextBox10.Text;
cmd.Parameters.Add("@pan", SqlDbType.VarChar).Value = TextBox11.Text;
cmd.Parameters.Add("@remarks1", SqlDbType.VarChar).Value = TextBox12.Text;
cmd.Parameters.Add("@remarks2", SqlDbType.VarChar).Value = TextBox13.Text;
con.Open();
int k = cmd.ExecuteNonQuery();
if (k != 0)
    {
        Label31.Text = " CreatedSucesfully";
        Label31.ForeColor = System.Drawing.Color.CornflowerBlue;
    }
con.Close();
}
protected void Button2_Click(object sender, EventArgs e)
    {
SqlCommandcmd = new SqlCommand();
cmd.CommandType = CommandType.StoredProcedure;
cmd.Connection = con;
cmd.CommandText = "sp_vendor_edit";
cmd.Parameters.Add("@vendorcode", SqlDbType.VarChar).Value = TextBox1.Text;
cmd.Parameters.Add("@emailid", SqlDbType.VarChar).Value = TextBox4.Text;
cmd.Parameters.Add("@address1", SqlDbType.VarChar).Value = TextBox6.Text;
cmd.Parameters.Add("@address2", SqlDbType.VarChar).Value = TextBox7.Text;
cmd.Parameters.Add("@contactno1", SqlDbType.VarChar).Value = TextBox5.Text;
cmd.Parameters.Add("@contactno2", SqlDbType.VarChar).Value = TextBox8.Text;
cmd.Parameters.Add("@remarks1", SqlDbType.VarChar).Value = TextBox12.Text;
cmd.Parameters.Add("@remarks2", SqlDbType.VarChar).Value = TextBox13.Text;
con.Open();
int k = cmd.ExecuteNonQuery();
if (k != 0)
    {

```

```

        Label31.Text = "Updated Succesfully";
        Label31.ForeColor = System.Drawing.Color.CornflowerBlue;
    }
con.Close();
}
protected void ImageButton1_Click(object sender, ImageClickEventArgs e)
{
Response.Redirect("Default.aspx");
}
protected void Button3_Click(object sender, EventArgs e)
{
SqlCommandcmd = new SqlCommand();
cmd.CommandType = CommandType.StoredProcedure;
cmd.Connection = con;
cmd.CommandText = "sp_vendor_delete";
cmd.Parameters.Add("@vendorcode", SqlDbType.VarChar).Value = TextBox1.Text;
con.Open();
int k = cmd.ExecuteNonQuery();
if (k != 0)
{
    Label31.Text = "Deleted Succesfully";
    Label31.ForeColor = System.Drawing.Color.CornflowerBlue;
}
con.Close();
}

protected void Button4_Click(object sender, EventArgs e)
{
SqlCommandcmd = new SqlCommand();
cmd.CommandType = CommandType.StoredProcedure;
cmd.Connection = con;
cmd.CommandText = "sp_vendor_authorize";
cmd.Parameters.Add("@vendorcode", SqlDbType.VarChar).Value = TextBox1.Text;
con.Open();
}

```

```

int k = cmd.ExecuteNonQuery();
if (k != 0)
    {
        Label31.Text = "Authorized Succesfully";
        Label31.ForeColor = System.Drawing.Color.CornflowerBlue;
    }
else
    {
        Label31.Text = "Vendor Code should be Fresh Status";
        Label31.ForeColor = System.Drawing.Color.CornflowerBlue;
    }
con.Close();
}

```

```

protected void Button5_Click(object sender, EventArgs e)
    {
        SqlCommandcmd = new SqlCommand();
        SqlDataReader rdr;
        DataSet ds;
        SqlDataAdapter da;
        cmd.CommandType = CommandType.Text;
        cmd.Connection = con;
        con.Open();
        cmd.CommandText = "select * from vendor where vendorcode=" + TextBox1.Text + """;
        rdr = cmd.ExecuteReader();
        bool temp = false;
        while (rdr.Read())
            {
                DropDownList1.Text = rdr.GetString(0);
                TextBox1.Text = rdr.GetString(1);
                TextBox2.Text = rdr.GetString(2);
                DropDownList5.Text = rdr.GetString(3);
                TextBox4.Text = rdr.GetString(4);
                TextBox6.Text = rdr.GetString(5);
            }
    }

```

```
    TextBox7.Text = rdr.GetString(6);
    TextBox5.Text = rdr.GetInt32(7).ToString();
    TextBox8.Text = rdr.GetInt32(8).ToString();
    DropDownList2.Text = rdr.GetValue(9).ToString();
    DropDownList3 .Text = rdr.GetValue(10).ToString();
    DropDownList4.Text = rdr.GetString(11);
    TextBox9.Text = rdr.GetValue(12).ToString();
    TextBox10.Text = rdr.GetString(13);
    TextBox11.Text = rdr.GetString(14);
    TextBox12.Text = rdr.GetString(15);
    TextBox13.Text = rdr.GetString(16);
temp = true;
    }
if (temp == false)
    {
        Label31.Text = "Not found";
        Label31.ForeColor = System.Drawing.Color.CornflowerBlue;
    }
con.Close();
con.Open();
ds = new DataSet();
da = new SqlDataAdapter("select * from vendor", con);
da.Fill(ds, "vendor");
con.Close();
    }
}
```