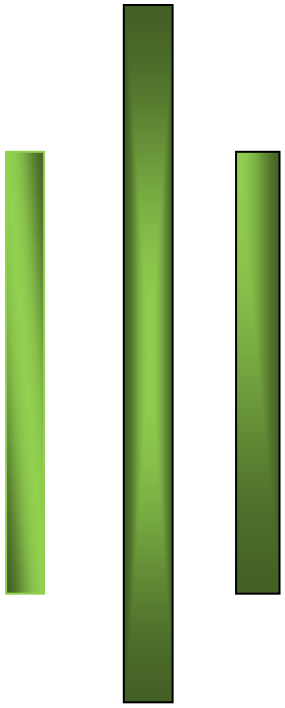
Project Report on **"Mahesh accounting system"**

Computing 9691, Paper -4



Name of Student: - **Mahesh Wosti**

Registration No: -

Subject: Software Base: - Simple accounting software

Sponsoring Institute Name & Address: **-Mahesh Departmental Store, Koteshwor, Kathmandu, Nepal**

Name of Advisor(s): - **Mr. DEEPENDRA YADAV**

Student's Declaration

I hereby declare that the project report entitled

(Mahesh accounting system)

Submitted in partial fulfillment of the requirements for the completion of

A-Level Computing 9691

To University of Cambridge, United Kingdom, is my original work and is not submitted for the award of any other degree, diploma, fellowship, or any other similar title or prizes.

Date of submission: 7/4/2014

Certificate from Project Guide

This is to certify that the project report entitled **"Mahesh accounting system"** Submitted in partial fulfillment of requirements for completing A-Levels Computing '9691' of **University of Cambridge, Mahesh Wosti** has worked under my supervision and guidance and that no part of this report has been submitted for the award of any other degree, diploma, fellowship or other similar titles or prizes and that the work has not been published in any journal or magazine.

_____

DeependraYadav
Project Guide

Contents

Definition, Investigation and Analysis

Definition - nature of problem:

Description about the organization

My father in an entrepreneur .After he worked in one of the famous departmental store in Dubai, he returned back to Nepal and injected his earning from Dubai in the business of departmental store. He had already gained enough experience from his employment and so he operated his business smoothly and now it is successful. When my father started his business there were no any departmental stores at Koteshwor area and with his hard work and dedication, my father became successful in expanding the business and now about 1000 transactions take place daily in the departmental store .12 staffs are employed in the departmental store including 10 sales staffs, a manager and an accountant. The departmental store is popular in the Koteshwor area as "MAHESH DEPARTMENATAL STORE". The departmental store mainly provides food, clothes and electronic items.

Problem definition

With expansion of the business there was a problem in recording the business transactions. There is one accountant and he is almost busy throughout the day and mistakes in calculations have been a serious problem. My father often becomes angry at the accountant for being careless. He was not happy with the way how records are kept and calculations are made in the business. Further if any past data is required, it takes a long time to find it from the piles of files in the account room. Making of annual reports like total sales of the year, total purchase of the year, total expenses of the year was difficult at the end of the year and further there were chances of bills and records being lost.

The key problem that the departmental store is currently facing:

1. Difficulty in recording, retrieving the data about the departmental store
2. Errors in calculation
3. Difficulty in making the annual reports.

Current method used

Currently every transaction are performed manually .There are total of ten staffs in the departmental store .All of them are assigned the jobs of serving the customer and making bills for them manually. In the end, before all the staff leave for home, all of them should submit the copy of the bills made so far in the day from morning to late evening in the account room and the accountant further records it in the separate accounting book adding up all those bills. In this way every accounting record are kept in the written form.

THE ORIGIN AND FORM OF THE DATA THE DATA THAT TAKES PLACES

Alphanumeric data are used to keep the records of sales, purchase and expenses. The data that are used while keeping record of the sales purchase and expenses are as below:

Sales:

Sales are divided into two parts as credit sales and cash sales. Each type is stored in the different book.

Sales

Sales no :	to count the number of sales made.
Date :	date of the sales
Customer name :	name of the customer (only in case of credit sales)
Category :	which category good belongs to (food, clothes or electronic)
Name of the item :	the name of good. For example: LG television
Rate :	price of the goods
Quantity :	units of goods sold
Total :	the product of price and quantity

Purchase

Purchase no : the number of the purchase, example: if purchase no. is 1 it represents first purchase

Date : date of the purchase

Name of supplier : name of the supplier (if credit purchase is made or if required by owner in Future)

Category : which category good belongs to (food, clothes or electronic)

Name of the item : the name of good. For example: LG television

Rate : price of the good

Quantity : units of goods sold

Total : the product of price and quantity

Expenses

Expense includes salary of staff, electricity and rent expenses and each are stored in separate book of salary, electricity and expenses.

Salary

Year : the current accounting year

Month : current accounting month

Name of employee : name of employee getting salary

Salary paid : salary paid in the current month

Due : if salary is not paid full, the remaining salary to pay in current month is stored

Prepaid : if more salary is given than what is specified, the surplus salary is recorded. (sometimes employee may ask salary in advance for some reasons)

Electricity

Year : the current accounting year

Month : current accounting month

Electricity cost : total to pay in the current month

Due : if total is not paid, the due is recorded

Pre-paid: if more is paid than what is payable.

Rent

Year : the current accounting year

Month : current accounting month

Electricity cost : total to pay in the current month

Due : if total is not paid, the due is recorded

Pre-paid : if more is paid than what is payable.

Investigation and analysis

Interview plan

(Note: the interview was taken in Nepali language and is translated"

It was really easy for me to take the interview .I often used to visit my father's departmental store and see the things happening there .I often used to ask questions about store with my fathers and listen the things when my father talks about the departmental store with my mom and our other relatives. In this sense, I am almost familiar about the knowhow of Mahesh departmental store. However, for formality I have ask my father, MR DURGA PARSAD WOSTI to give me some time and ask about everything in detail about the problems of Mahesh departmental store.

One night after we had dinner in house, I started asking questions to my father and my questions were as follows:

1.How is business going, father?

Its going pretty fine .if compared to past, we are able to achieve higher profit margin. There is a good flow of customers, I am able to afford all the household expenditure including your study expenses plus save certain amount for future from the very profits. We are expanding our business every year. At the start we used to sell only food item now we have food, clothes and electronic items in the store. Stocks are finishing on time and we have a very good cash flow cycle, my son.

2. Do you think our departmental store is popular?

Of course my son. I already mentioned earlier that we have a very good flow of customer in our departmental store and repeated purchase is made by them. We have a very good customer base that avails our product at regular basis. They like our products. We are really able to touch the heart of the customers my providing quality products at low price as possible. Further we have the products of popular brands –say we have the clothes of ARMANI, VERSACE in our departmental store and other renowned international product which is rarely found in other departmental store in the town. We are not promoting a lot but the flow of customer is increasing .it means word to word promotion is made by customer themselves for our products. It indicates that our departmental store is popular in this community and known to all living here.

3. And father what about future? Will the popularity remain same as it is now??

Who can predict my son about future? No one. In my opinion the competition is getting higher and higher in our field due to establishment of big shopping malls in the central part of town .In this context the large departmental store of town "BHATBHATENI SUPER MARKET" has become the greatest threat for medium sized departmental store in the local areas like ours my son.

4. Have u made any future plans to cope up with this threat of large super market like BHATBHATENI SUPER MARKET?

Sometimes I am too worried regarding this threat, thinking that If the very large super market covered all the market share what ours business's future will be. But I have made some planning. I am thinking to open branches of our departmental store in 3 districts Kathmandu, Lalitpur and Bhaktapur. This may make us competitive and provide economies of scale in terms of bulk buying of goods and finance. Then; we may further become competitive in the market.

5. And how are you planning to expand? How will you raise capital?

- We have some retained earnings from this departmental store and some fund will be collected from our relatives and for the rest, I will take a loan from the bank.

6. Are there any internal problems in our current departmental store?

- Of course my son. There are some problems which are always moving in my head.

7. What are the main problems that you are currently facing?

-My son you are familiar with the problems. I often shout at my accountant for making mistakes in the recording the things in the book correctly. With expansion the transactions has increased from thousands to millions .Accurate recording of each data is crucial in the business. A single mistake and carelessness will cost us a lot. We are having some losses due to lack of proper and accurate record keeping. And I believe the problem might become worse as we will expand further. The next problem that we are witnessing now is about making the annual reports. Annual reports mean a lot for any business. There is a single accountant and while making annual reports it takes even a month too and if made to it's not 100 percent accurate.

8. Can I give some advice regarding the solution of this problem?

- yes my son.

9. What if we move to the computer software for keeping the accounting record?

-Computer software!!How can we use it son? I am not so familiar with the knowledge of the computer and computing software. Can you explain hum?

ME: father there is a different kind of accounting software. We can use it to record our daily transactions and analyze the annual data of total sales, total purchases and total expenses at the end of year in a very short time. Further, if we want to see data from any year under any heading we can get it within few minutes, we don't have to open the files and flip the pages for hour to see the data. It helps in the systematic recording of data.

Is not it expensive, can we afford it?

ME: no father it doesn't cost a lot .we need to have a personal computer in our store and I can make simple computing software for our departmental store. It is possible what do you think??

-If the recording of data will be more accurate and simple and we can afford it then I am interested my son but how will you make a software? Can you make it?

ME: father why not? Making simple software is part of our computing syllabus in ALEVELS and further my computing teacher will help me with it.

-Ok then. We will see if your software will really solve the problems of our departmental store. For any help and resources, you can ask me ok! Make it fast as possible.

ME: OK father, further I will observe the things by myself in the departmental store for one day then I will start it consulting with my computer teacher.

Further Investigation

After I had asked my father about the problem and he told me to make software, I planned to sit in the departmental store for one day from early morning to late night and find what exact problem is.

Day 1

I went departmental store at about 8 o'clock in the morning. The departmental store was under the supervision of CC camera. My father was in his room and seeing everything in the 21' LCD TV which was introduced a couple of years ago in the store. There were total five staffs at the very morning and the rest of five used to come at 10 o'clock. The departmental store has three departments -food, clothes and electronics. There was a separate flat of each of the department. Only the food department opens in the early morning.

Findings

In the morning:

The flow of customer was thin at the first hours and as the time passes there was a crowd. In the morning mainly customer used to come to buy the household food items like vegetables, biscuits and foods items of morning breakfast. All the five staffs seem busy making bills for the customer.

In the mid-day time

The staffs were divided in three departments.5 used to sit in the food department serving the customer coming for food item and rest five were further divided into clothes and electronics as 3 and 2 respectively. All of the staffs were busy whole the day serving the customers and making bills for them .Father was monitoring all the staffs if they are working properly or not. The accountant used to remain busy calculating the total sales, purchases and expenses using the submitted bills using the simple calculator. Mainly customer used to come for foods item and clothes at the day time.

At late evening:

The late time used to seem quite busier than the early times. “It is a key time “father said. All the staffs seem busy at the late time. A good lighting system had made the departmental store more attractive at the late times. At evening mostly the officers and students were visiting the departmental store. All those copies of bills were submitted to the account room before the departmental store is closed. The total of this day was calculated in the final account book by accountant the very next day.

Conclusion: the flow of the customer was good. As said by my father, more than 1000 transactions takes place a day. Adding up more than thousand bills the very next day is not an easy task for the accountant and account book used to finish within the week. So, there were piles of account book kept in the account room. Finding any specific data from the very piles of account book was not an easy task as well.

Alternative approaches to solve the problem:

Employing more accountants and dividing the task between them. For example: say there are 5 accountant employed.3 accountants will be calculating the daily transaction of the 3 departments-food, clothes and electronics. Other two will be responsible to make annual reports, making the data available to manager or the owner when required.

Advantages:

1. problems can be solved to extent
2. efficiency of the accountant will increase as tasks are divided to them

Disadvantages:

1. Employing the skilled accountant will be expensive.
2. If all accountant do not coordinate properly, the chances of error still exists.

Requirement Specification

Data Entry Method

The data should be as entered correctly in the system. Any possible error made by the user should be constrained by the validation check.

Type of Output

The output should be easily visible and clear to the user. Further it should be represented in a simple way using simple language.

User Interface

Graphical User Interface (GUI) is required since it gives a better look to the software. It will be easy for the accountant to use the software.

Navigation

- User wants to have menu system.
- User wants each procedure to be opened in a separate window so that simple closing of that particular window will not affect any other open windows.

Security

- The software should be password protected with two different access levels set for owner (my father) and accountant.
- Both accountant and owner (my father) should have access to all parts of the software and to the data stored.
- The database must have encrypted password so that even if anyone gets into the database, the passwords would not be visible.

Help

Since the user may not be well known about every functions of the software, a help menu is to be made that will guide the user for operating the software with ease.

Details

- The software should have easy method of adding, editing, and deleting records for sales, purchase and expenses.
- The software should have easy method to see the recorded data of any date.
- The software should automatically record the due or prepaid.
- The software should be able to show information about the stocks)
- The software should add up all the daily transactions of the year and make annual reports of the total sales, total purchase, and total expenses.

System Requirements for the software to function

Software Requirement

- Windows operating system: windows XP or later versions. Windows 7 is recommended since it is user friendly.
- Microsoft Access 2007or newer versions will be required to implement the database. The use of older version may give rise to compatibility issues.

Hardware Requirement

- Monitor having resolution 1024x768 or greater.
- Keyboard
- Mouse
- 1 Gigahertz (GHz) or faster processor.
- 1GB of system memory sufficient to run the operating system and the developed program.
- Hard Disk of capacity exceeding 40 GB is required to store operating system, user files, and the application software.
- DVDROM Drive

Input requirements:

Table	fields
Login details:	
	Username
	Password
Sales details:	
	Sales number
	Date
	Customer name (if credit sales)
	Category
	Name of item
	Rate
	Quantity
Purchase details:	
	Purchase number
	Date
	Supplier name (in case of credit purchase)
	Category
	Name of item
	Rate
	Quantity

Sales return details:

Sales return number

Date

Category

Name of the item

Rate

Quantity

Purchases return details:

Purchase return number

Date

Category

Name of the item

Rate

Quantity

Wage book details:

Year

Month

Name of employee

Post

Salary

Paid

Rent book details:

Year

Month

Monthly rent

Paid

Electricity details:

Year

Month

Rate per units

Total units

Paid

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Microsoft Visual Studio 2008

Visual Studio is an object oriented programming language(OOPL) which allows **quick development of application** of **graphical user interface (GUI)** applications and also allows access to **databases** using **Data Access Objects**. The forms can be easily created with simple drag and drop methods. The controls such as text box, command button, can be easily designed by drag drop technique in very short period of time. This programming language will be used to develop the actual software

Microsoft Access 2007

Microsoft Access is a relational database management system (RDBMS) which is a member of the **Microsoft Office** suite. It is based on the Access Jet Database Engine.

It is supported by **Visual Studio for Applications**, an **object-oriented** programming language.

The new system will be based on the database system.

Microsoft Word 2007

This is a word processing application which allows text formatting of the document. It has features such as spelling checker and thesaurus which are suitable for the documentation of the software.

DESIGN

Nature of solution:

Proposed solution:

The found out problem will be solved by developing the custom written software. The software will be made using the Visual Basic.net 2008.

Agreed List of objectives:

- The software must have easy method of adding, editing, and deleting records for sales, purchase and expenses.
- The software must have easy method to see the recorded data of any date.
- The software must automatically record the due or prepaid.
- The software must be able to show information about the stocks)
- The software must add up all the daily transactions of the year and make annual reports of the total sales, total purchase, and total expenses.

Manager, Mahesh
departmental store

Designing the input and output:

The menu based interface will be used in the software. There will be use of the different facilities provided by the visual studio such as labels, textbox, combo-box, date time picker, buttons, and data grid view as primary tools to design the input and the output window. Same screen layout will be used in every window with same font and color. The automated input system will also be another special feature of the software. For example: the prepaid and due of the expenses will automatically stored in the table as the user input all the details about payment of the expenses. If the payment exceeds the amount to be paid, it is automatically stored as prepaid and if the payment is less, then it is stored as due.

Data base storage:

The MS-Access 2007 will be used as the database to s ve data when required by the custom written software.

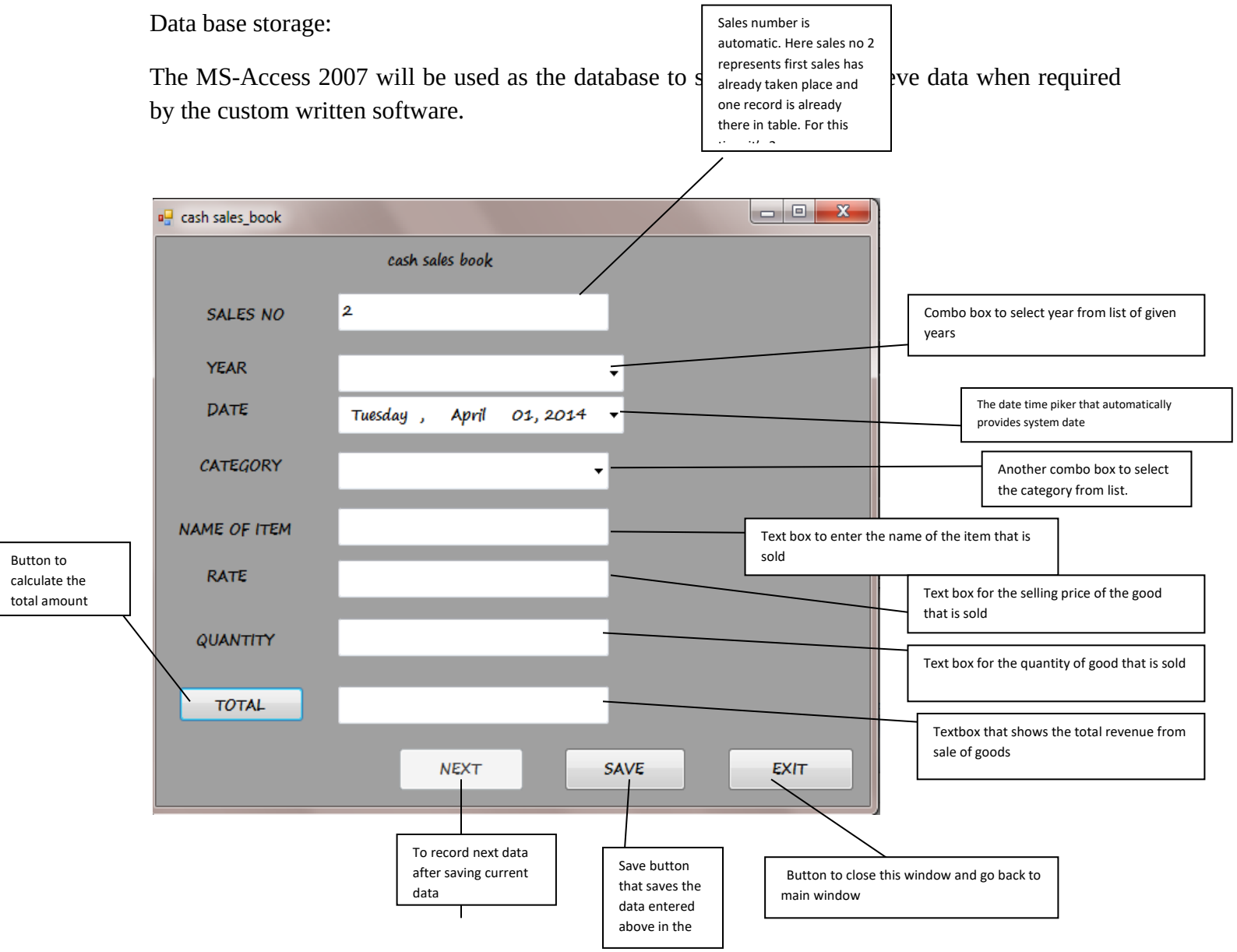


Fig 1. The information about the cash sales book.

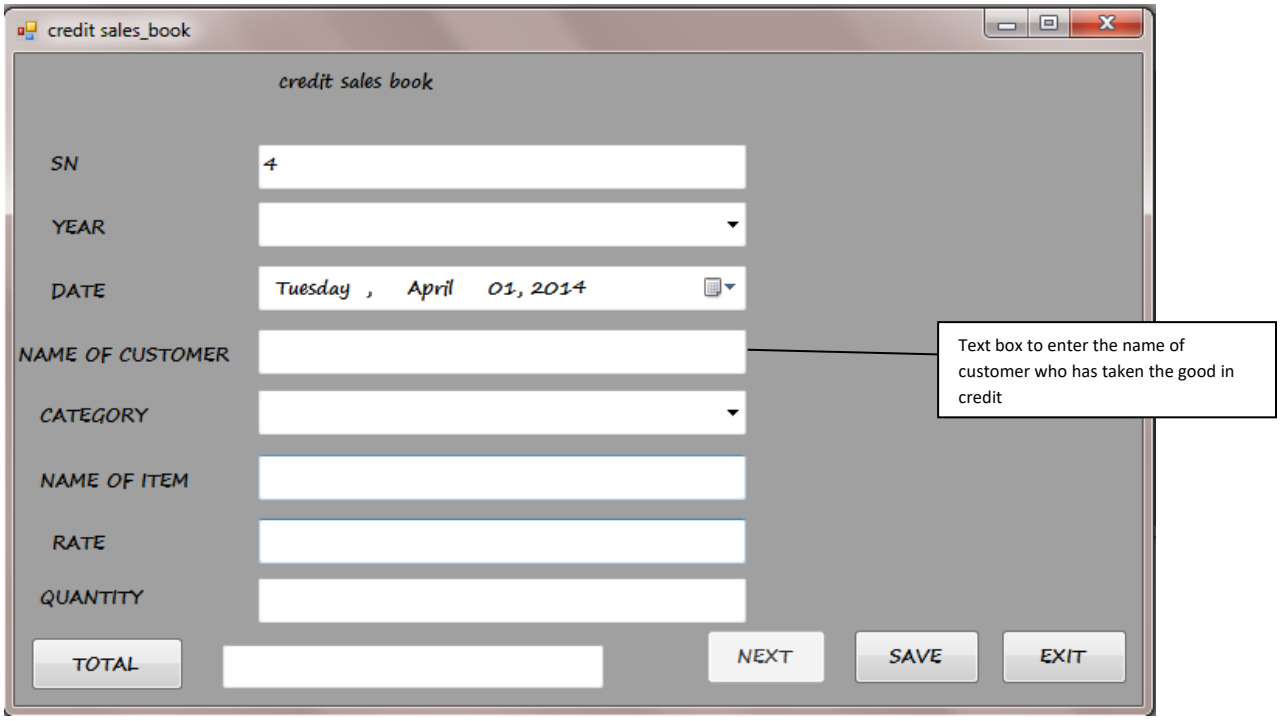


Fig 2: the credit sales window to store the data about credit sales.

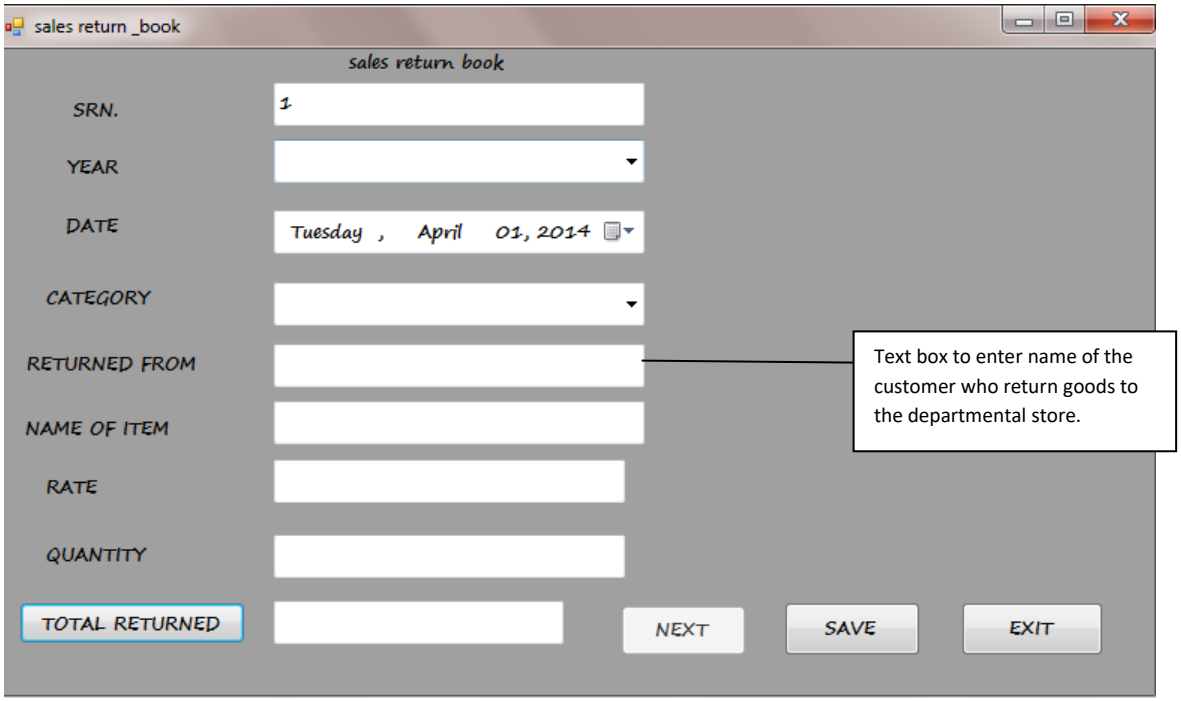


Fig 3: sales return window to record the sales return to the departmental store.

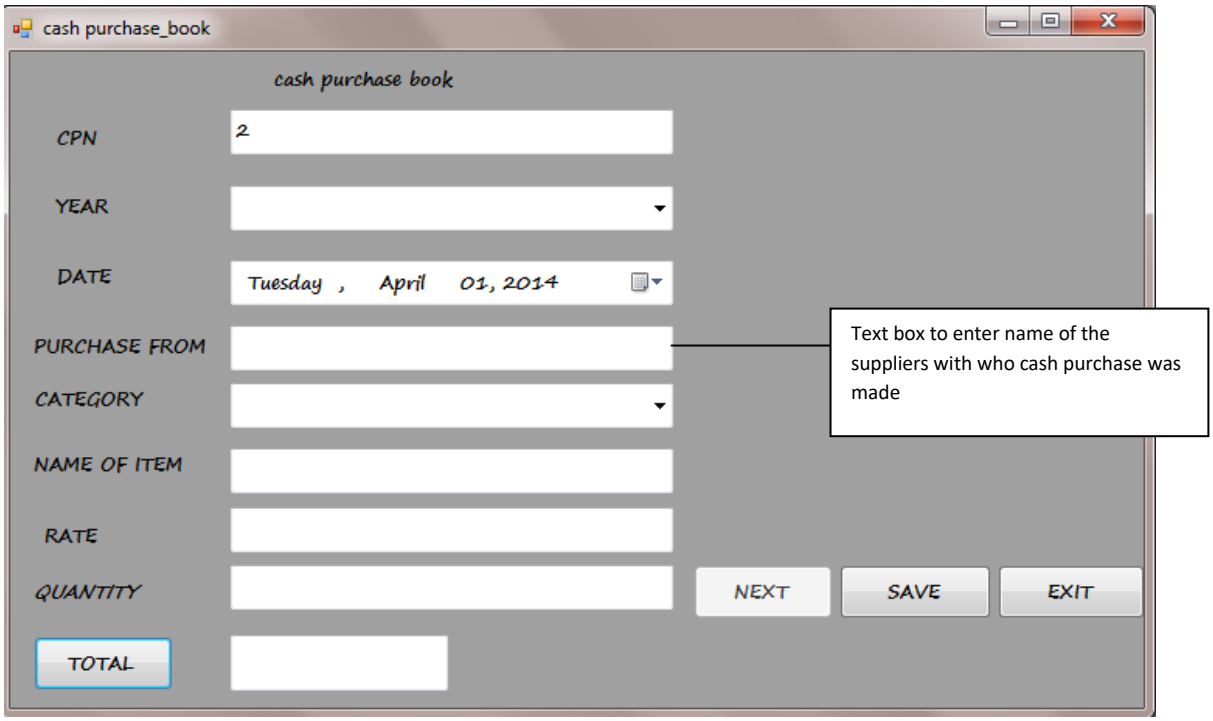


Fig 4: window to record the data about the cash purchase.

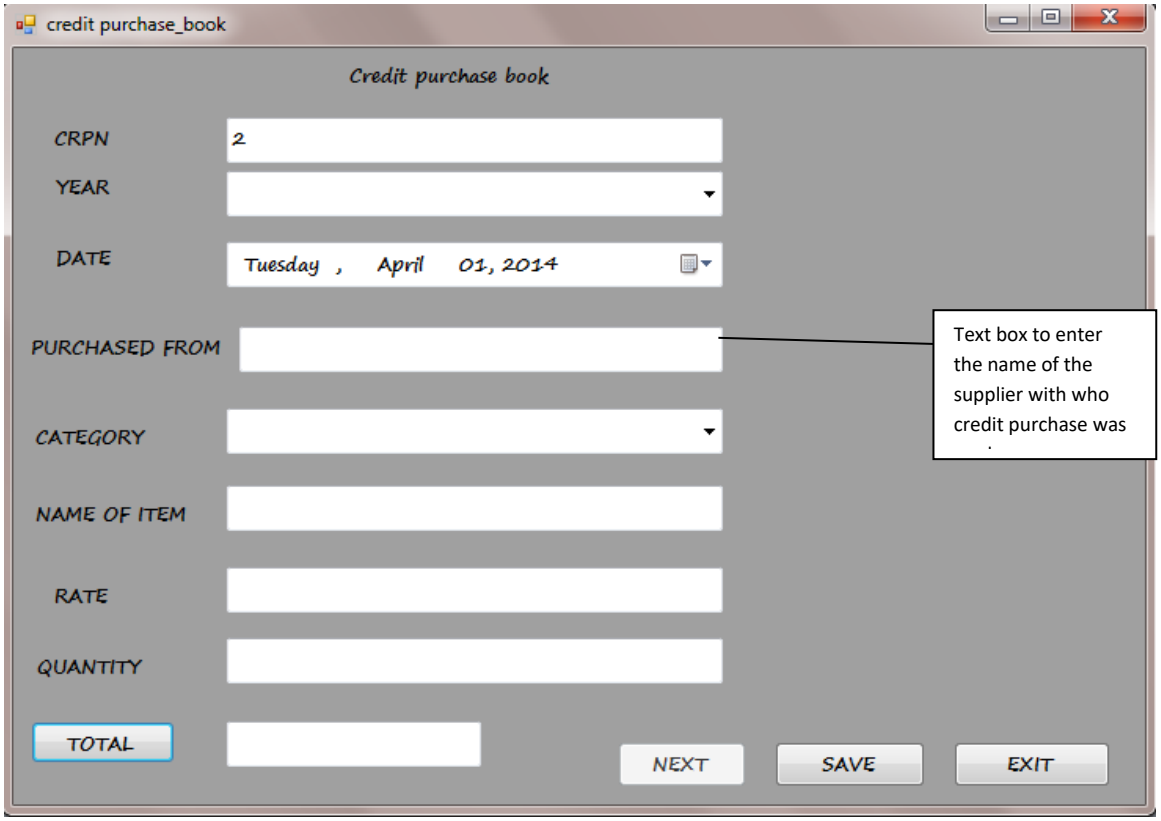


Fig 5: window to record the data about the credit purchase.

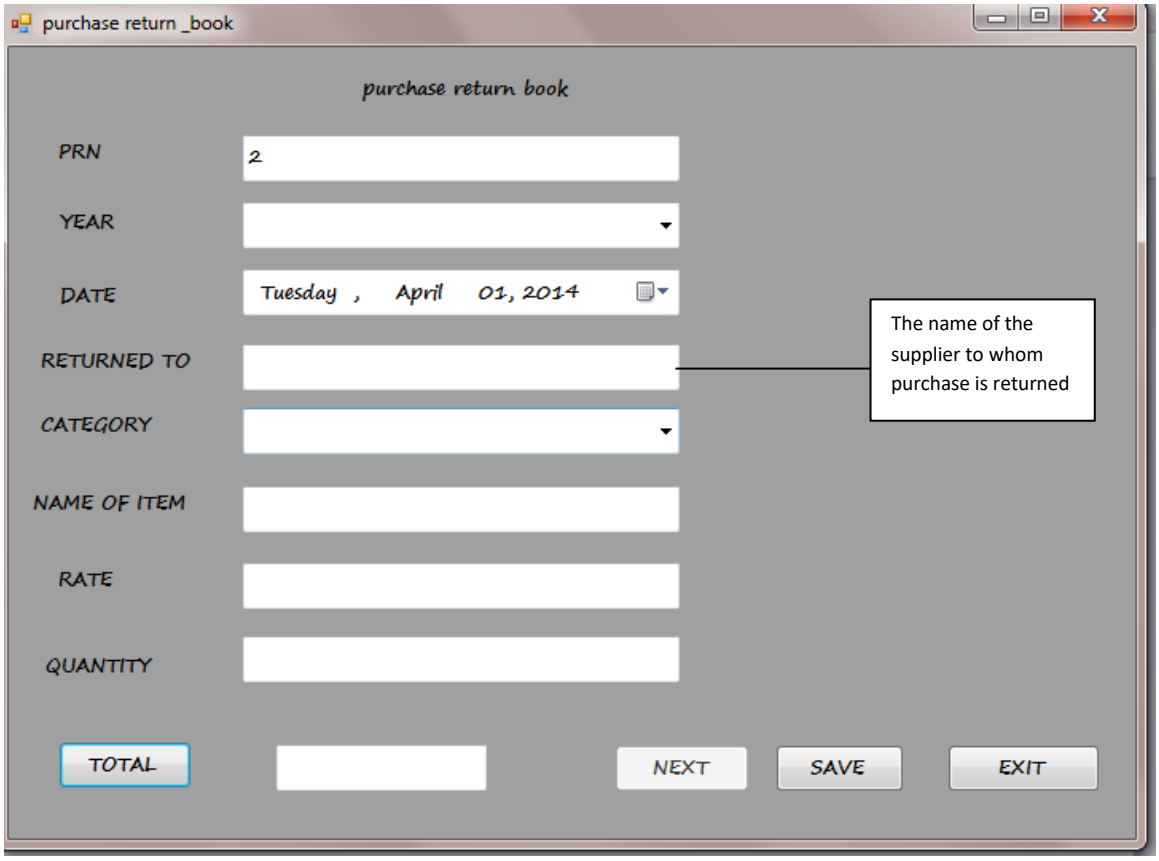


Fig 6: the window to record data about the purchase return.

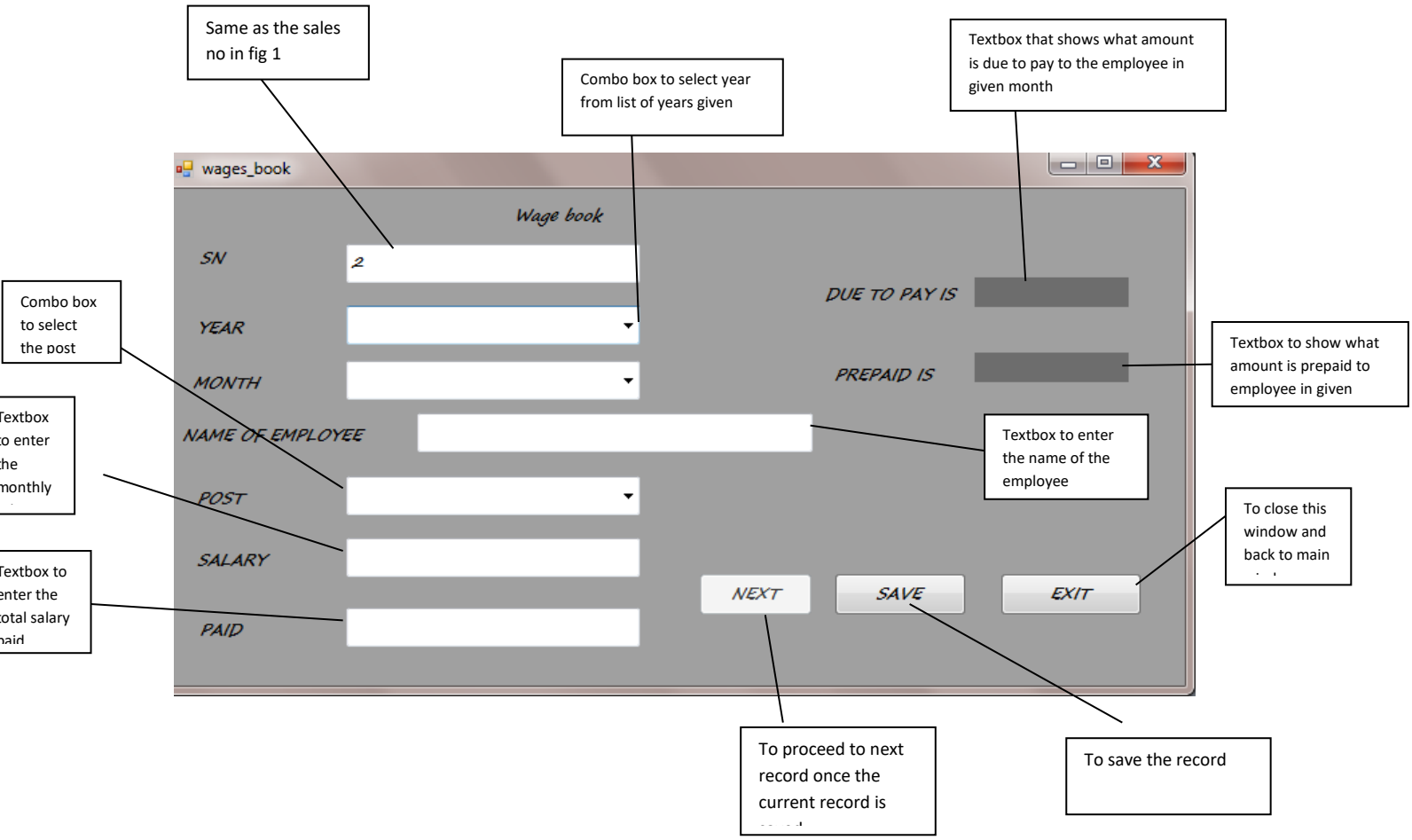


Fig 7: the wage book window to record the wages of the staffs.

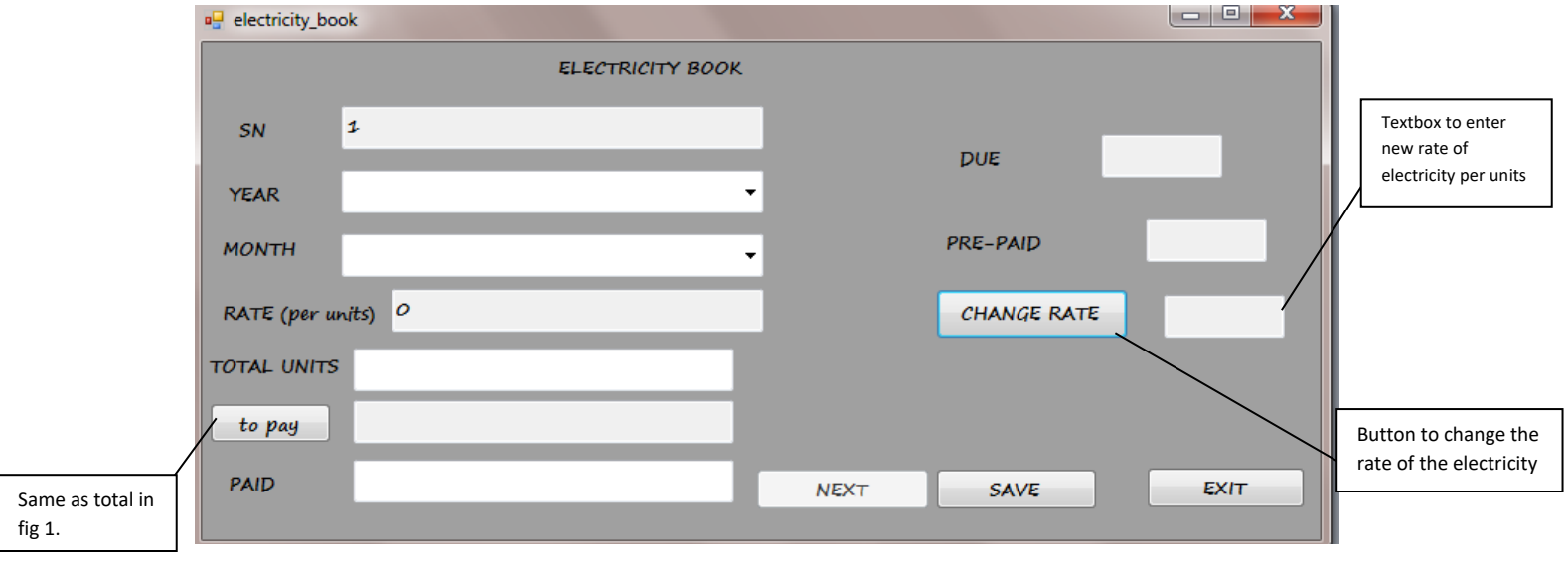


Fig 8: window to record the monthly electricity data.

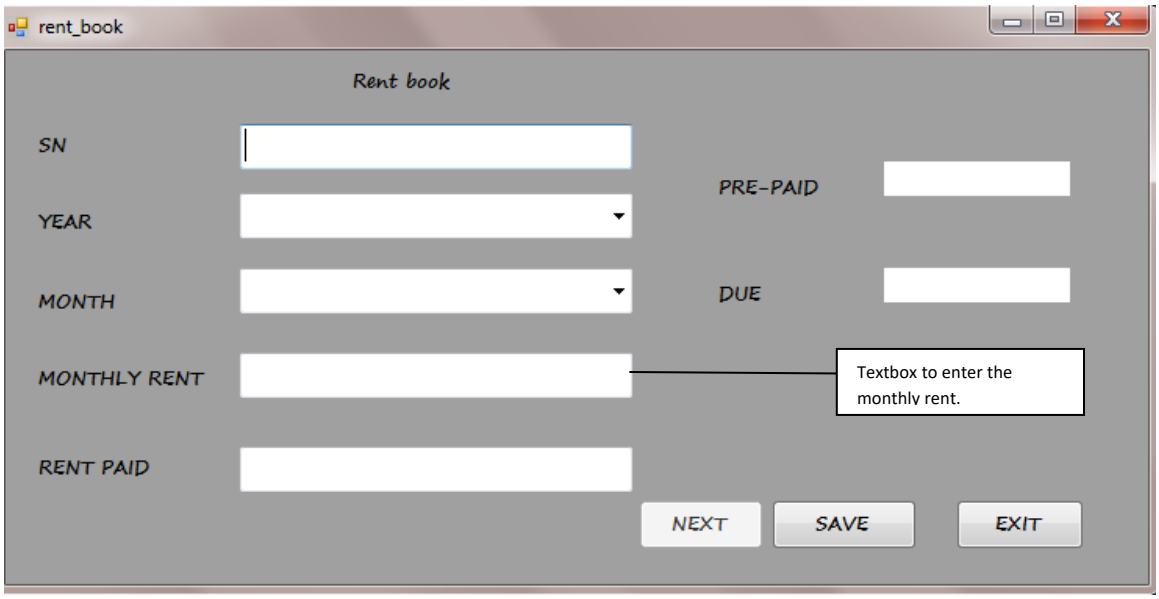
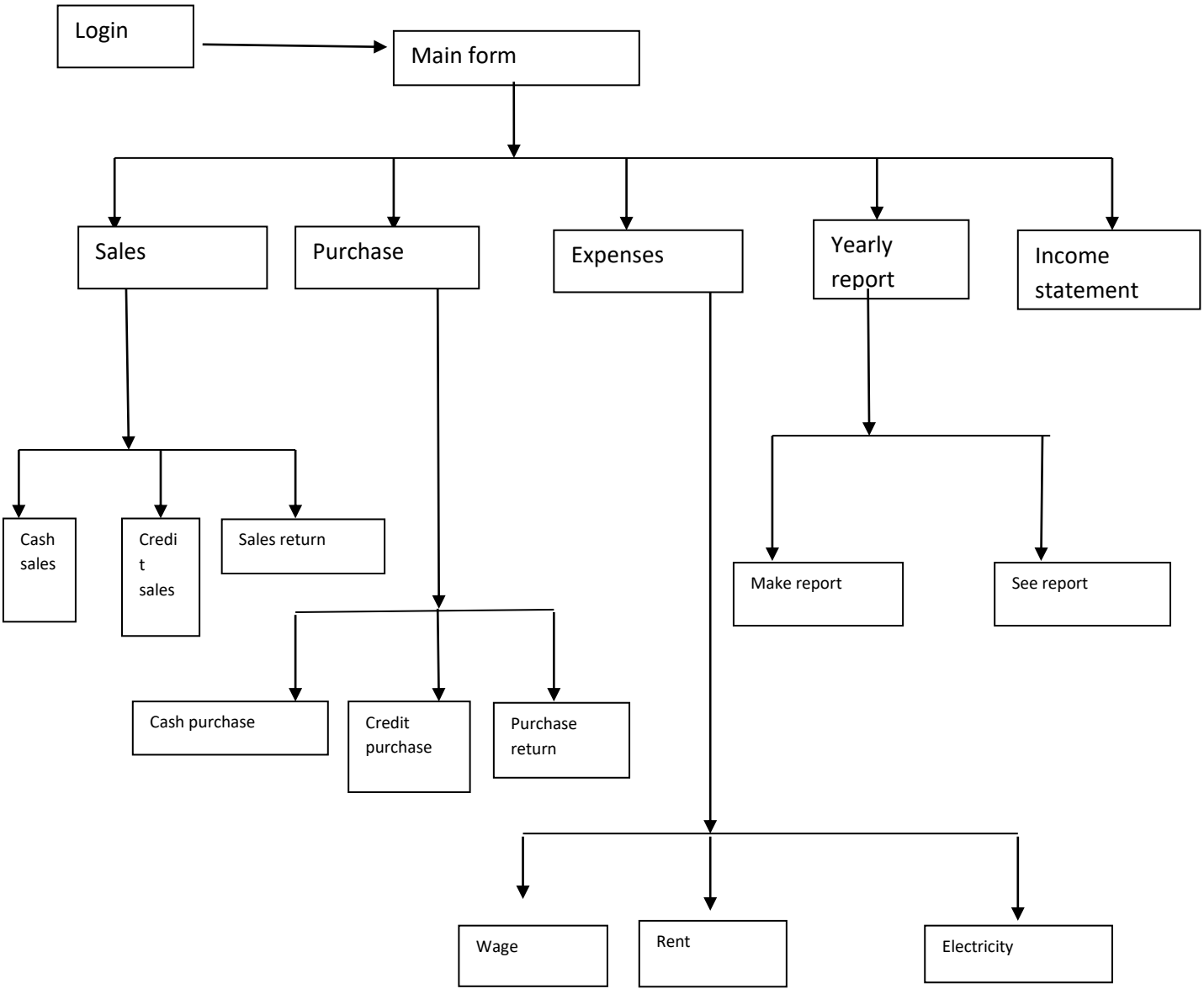
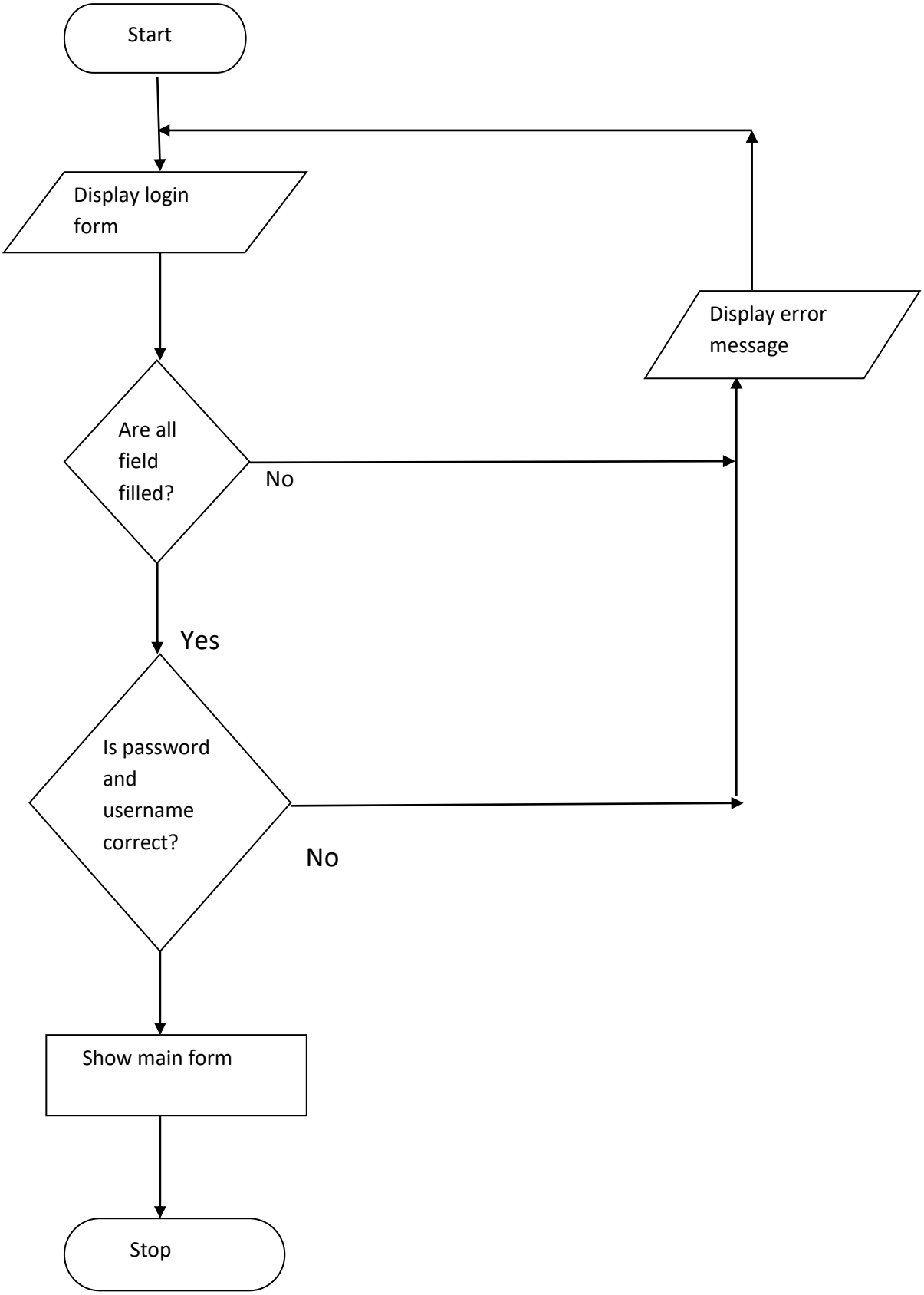


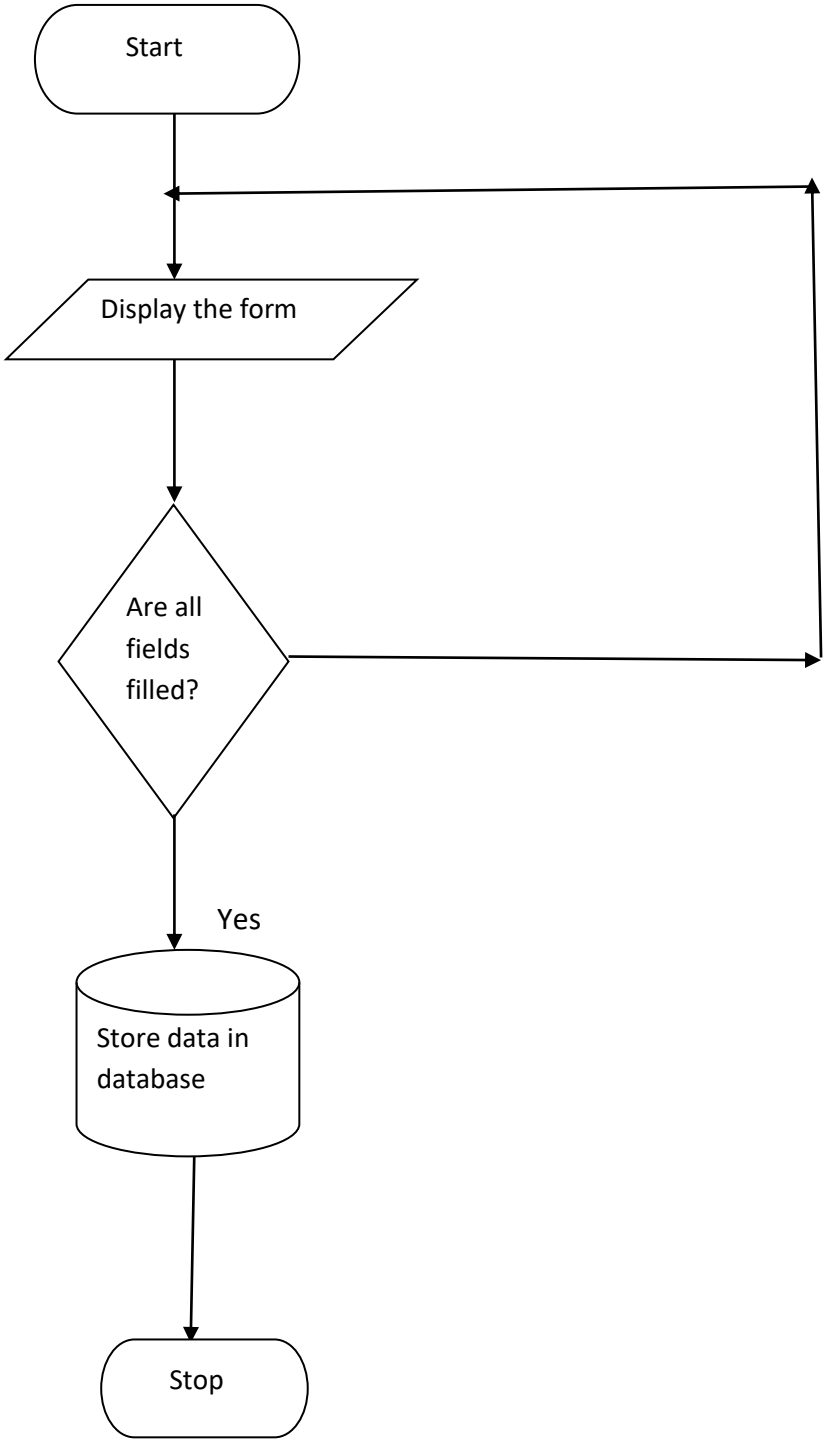
Fig 9:window to record the rent related data.

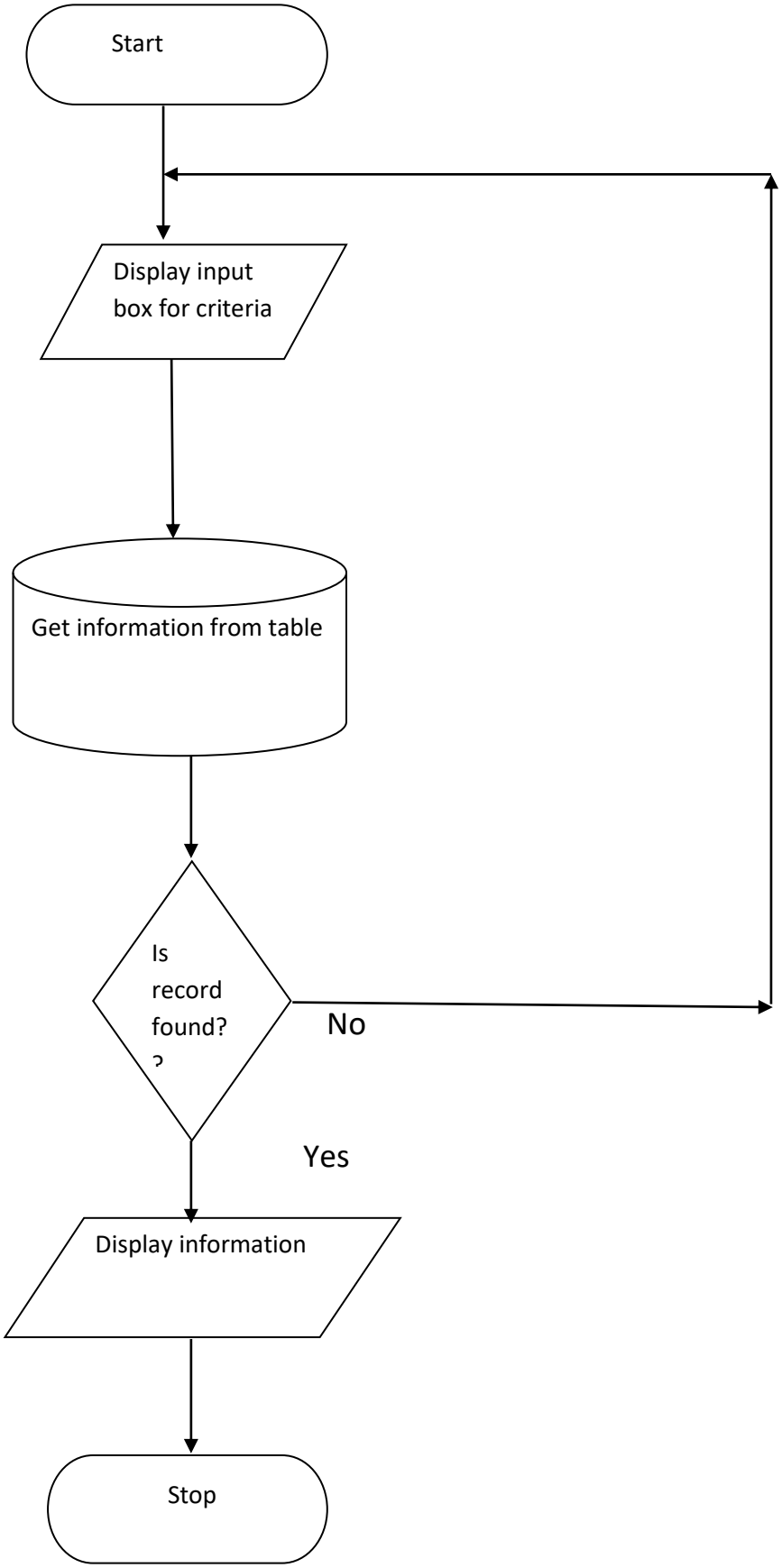
Jackson diagram



Flowchart

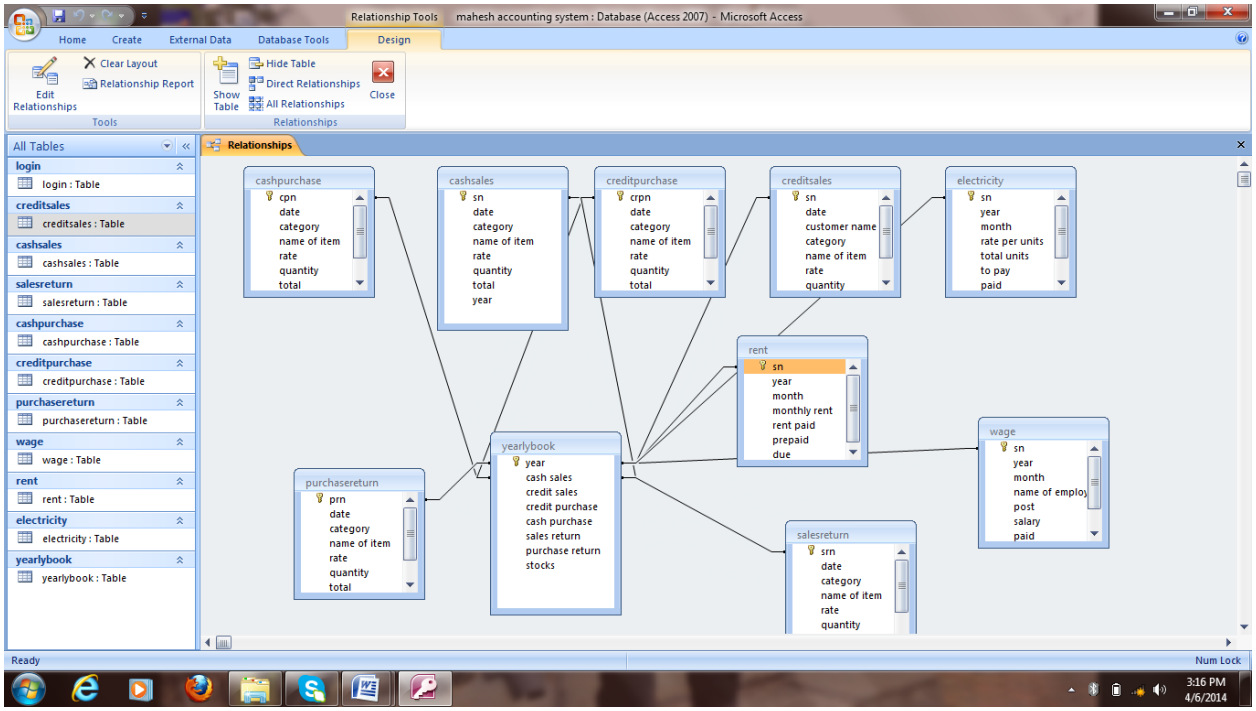

Start
Display login form
Are all field filled?
No
Display error message
Yes
Is password and username correct?
No
Show main form
Stop


Start
Display the form
Are all fields filled?
Yes
Store data in database
Stop


Start
Display input box for criteria
Get information from table
Is record found?
No
Yes
Display information
Stop

Entity Relationship diagram

All the entities are separate and link with only one table i.e. yearly book where total amount calculated of the table is stored.



Data structure

cashpurchase

Field Name	Data Type
cpn	Number
date	Text
category	Text
name of item	Text
rate	Number
quantity	Number
total	Number
year	Number
purchase from	Text

cashsales

Field Name	Data Type
sn	Number
date	Text
category	Text
name of item	Text
rate	Number
quantity	Number
total	Number
year	Number

creditpurchase

Field Name	Data Type
crpn	Number
date	Text
category	Text
name of item	Text
rate	Number
quantity	Number
total	Number
year	Number
purchased from	Text

creditsales

Field Name	Data Type
sn	Number
date	Text
customer name	Text
category	Text
name of item	Text
rate	Number
quantity	Number
total	Number
year	Number

electricity

Field Name	Data Type
sn	AutoNumber
year	Number
month	Text
rate per units	Number
total units	Number
to pay	Number
paid	Number
due	Number
prepaid	Number

purchasereturn

Field Name	Data Type
prn	Number
date	Text
category	Text
name of item	Text
rate	Number
quantity	Number
total	Number
year	Number
returned to	Text

rent

Field Name	Data Type
sn	Number
year	Number
month	Text
monthly rent	Number
rent paid	Number
prepaid	Number
due	Number

salesreturn

Field Name	Data Type
srn	Number
date	Text
category	Text
name of item	Text
rate	Number
quantity	Number
total	Number
year	Number
returned from	Text

wage

Field Name	Data Type
sn	Number
year	Number
month	Text
name of employee	Text
post	Text
salary	Number
paid	Number
due	Number
prepaid	Number

yearlybook

Field Name	Data Type
year	Number
cash sales	Number
credit sales	Number
credit purchase	Number
cash purchase	Number
sales return	Number
purchase return	Number
stocks	Number

Intended benefits

- The errors in the calculation and the recording accounting data of the Mahesh departmental store will be significantly reduced.
- Time will be saved: while making the annual report accountant do not have to use a simple calculator and add up each bills for the whole day. Once the button is clicked the overall totals can be known in a very short period. Further if any data about any transaction is required then it can be seen easily and quickly, accountant do not have to turn the pages of the account book by turn from the piles of the account book. This quickness will save the time of the accountant and make accountant do things in a calm way.
- More systematic and accurate recording of data will be strength of the business reducing the chances of failure.
- Employing the additional accountant and hence the additional cost will be saved

Limits and scope

The software will be used just to enter the details about sales, purchase and expenses and make the annual report. It will be used by only the accountant. No additional feature such as printing of the bills using the crystal reports exist in the software. If the hardware requirements are not made, the software may not run.

Data size estimation

tables	Fields	example	Maximum size (in bytes)	Total bytes
Login	Username	Mahesh	15	30
	Password	*******	15	
Credit sales	SN	1	5	92
	Year	2014	4	
	Date	Saturday, March 29, 2014	20	
	Name of customer	Ram	20	
	Category	Foods	10	
	Name of item	Wai wai noodles	15	
	Rate	15	4	
	Quantity	15	4	
	Total	225	10	
Cash sales	Sales no	2	5	92
	Year	2014	4	
	Date	Saturday, March 29, 2014	20	
	Category	Clothes	10	
	Name of item	Plain shirt	15	
	Rate	500	4	
	Quantity	5	4	
	Total	2500	10	

Sales return	SRN	3	5	92
	Year	2014	4	
	Date	Saturday, March 29, 2014	20	
	Category	Electronics	10	
	Returned from	Hari jung Rana	15	
	Name of item	LG television	15	
	Rate	15000	4	
	Quantity	1	4	
	Total returned	15000	10	

Cash purchase	CPN	4	5	92
	Year	2014	4	
	Date	Saturday, March 29, 2014	20	
	Purchase from	Harry	15	
	Category	Foods	10	
	Name of item	Basmati rice	15	
	Rate	500	4	
	Quantity	5	4	
	Total	2500	10	
Credit purchase	CRPN	5	5	92
	Year	2014	4	
	Date	Saturday, March 29, 2014	20	
	Purchased from	Mahesh	15	
	Category	Foods	10	
	Name of item	Chocolates	15	
	Rate	13	4	
	Quantity	13	4	
	Total	169	10	

Purchase return	PRN	6	5	92
	Year	2014	4	
	Date	Saturday, March 29, 2014	20	
	Returned to	Gita	15	
	Category	Clothes	10	
	Name of item	t-shirt	15	
	Rate	1300	4	
	Quantity	2	4	
	Total	2600	10	
Wage	SN	7	5	92
	Year	2014	4	
	Month	Jan	3	
	Name of employee	Bibek Guragain	15	
	Post	Manager	5	
	Salary	12000	10	
	Paid	12000	10	
	Prepaid	0	5	
	Due	0	5	
Rent	SN	8	5	72
	Year	2014	4	
	Month	Feb	3	
	Monthly rent	14000	10	
	Rent paid	13000	10	
	Prepaid	0	5	
	Due	1000	5	

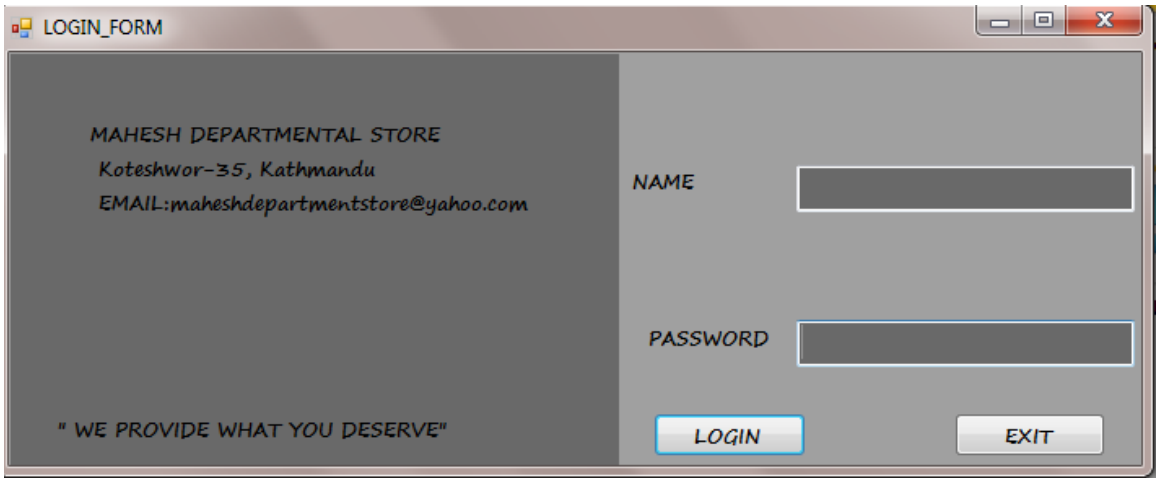
Electricity	SN	9	5	92
	Year	2014	4	
	Month	Mar	3	
	Rate(per units)	5	2	
	Total units	130	4	
	To pay	650	10	
	Paid	750	10	
	Due	0	5	
	Prepaid	100	5	
Total				838

No of records(500)	419000
Plus 10%	41900
Total size of records(in KB)	450

Software development, programming, testing and installation

Software development:

1. Login form

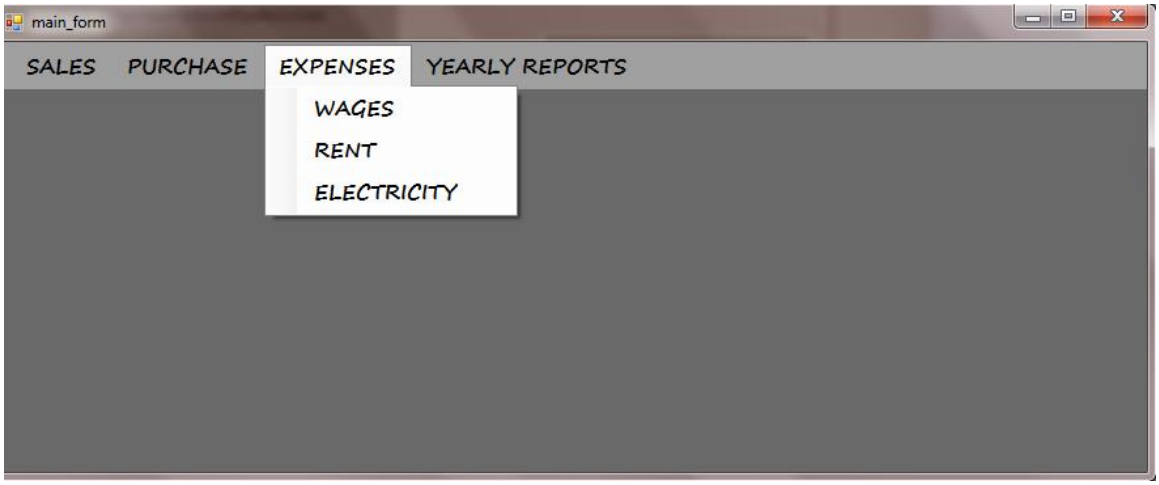


2. Main form

a. Sales menu

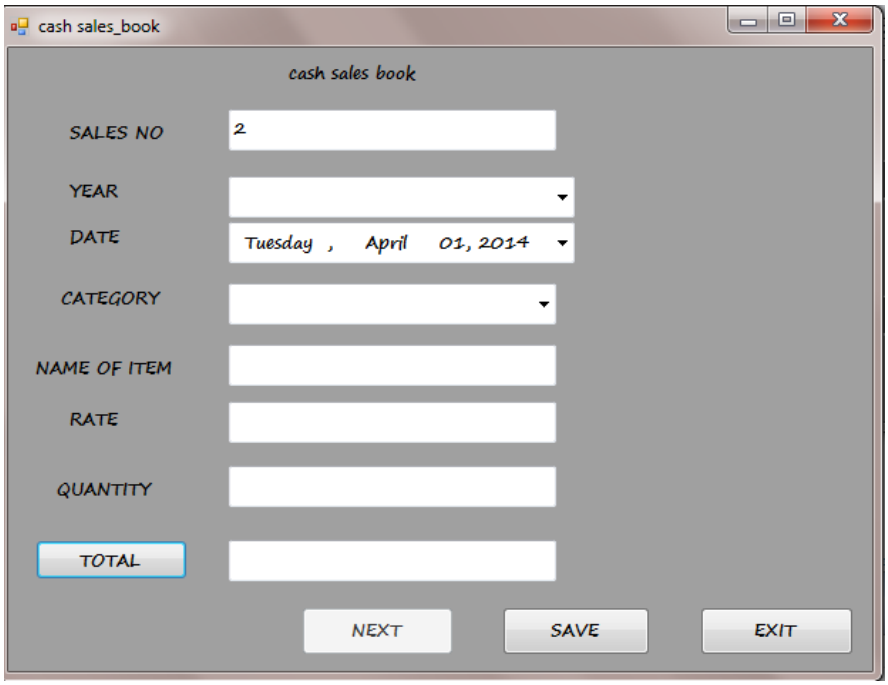
b. Purchase menu

c. Expenses

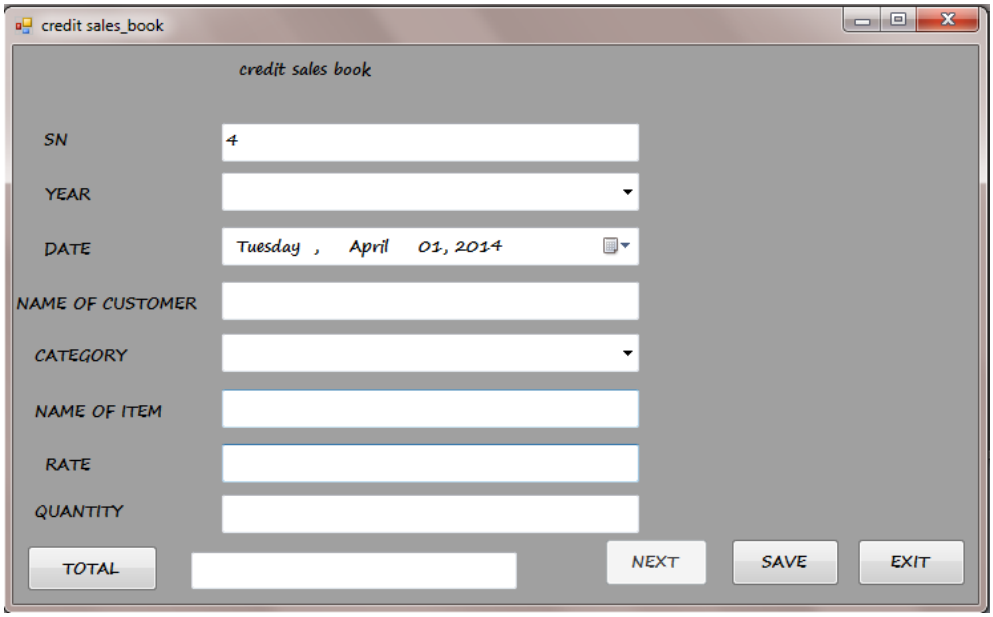


d. Yearly report

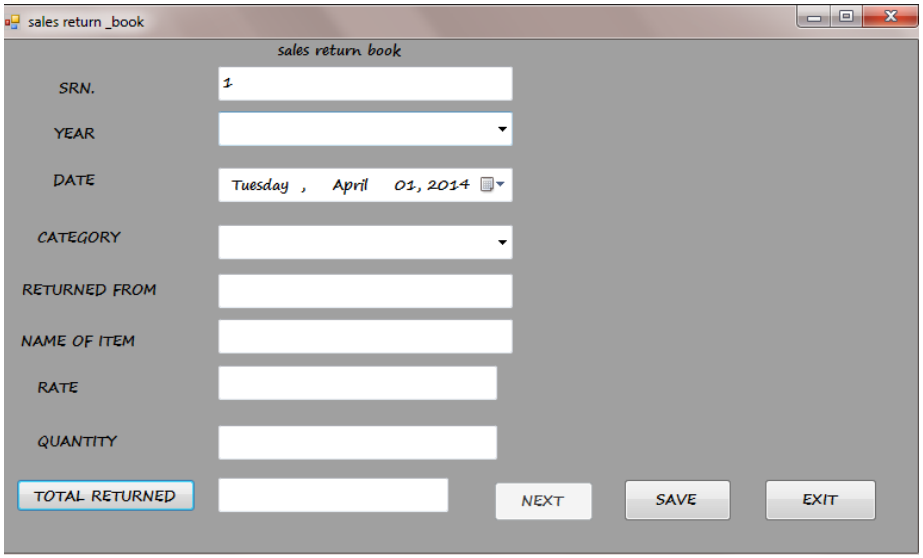
3. Cash sales



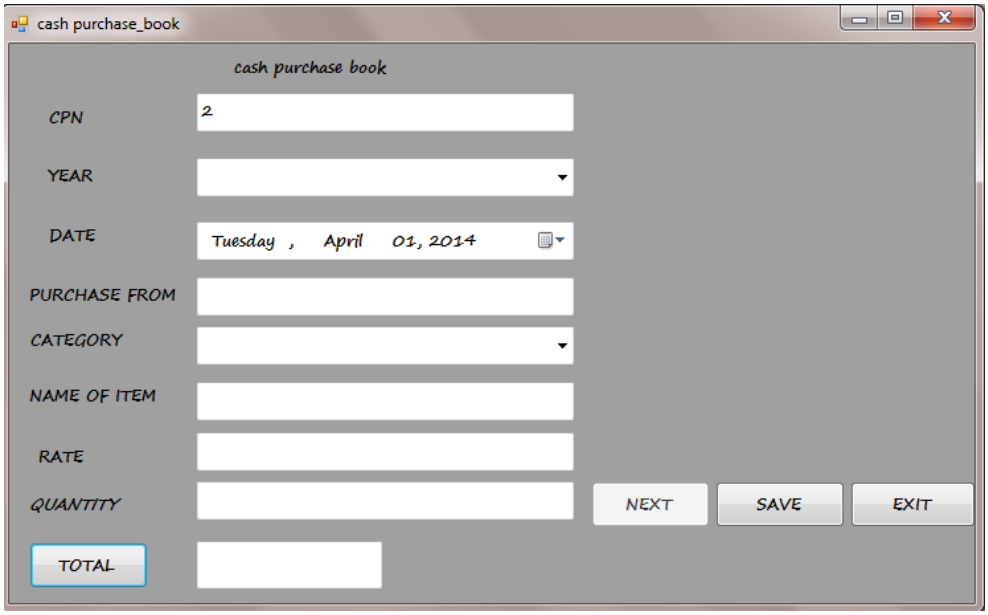
4. Credit sales form



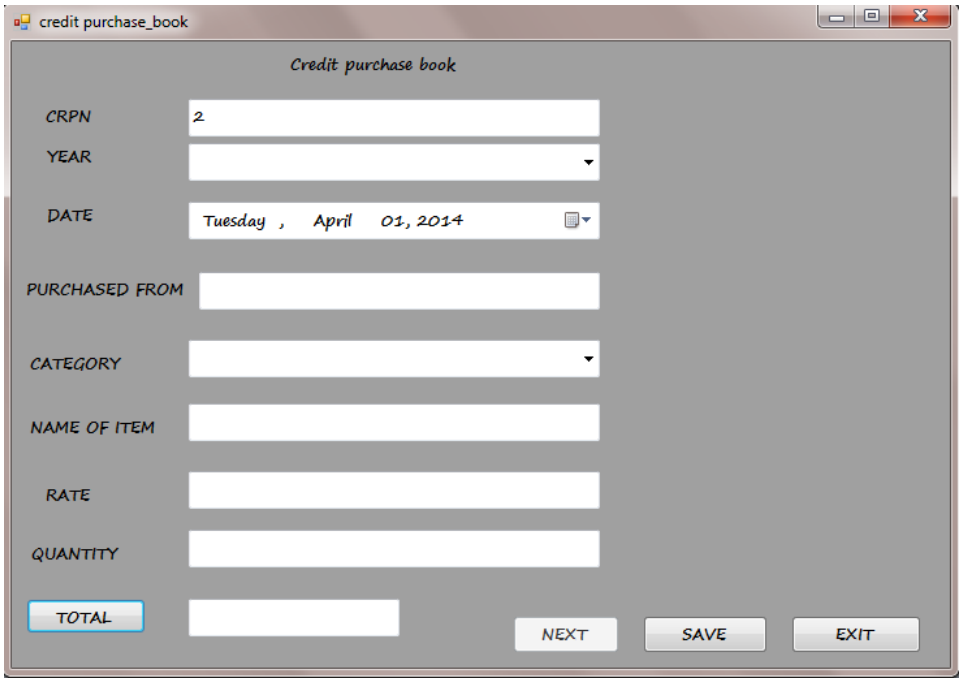
5. sales return form



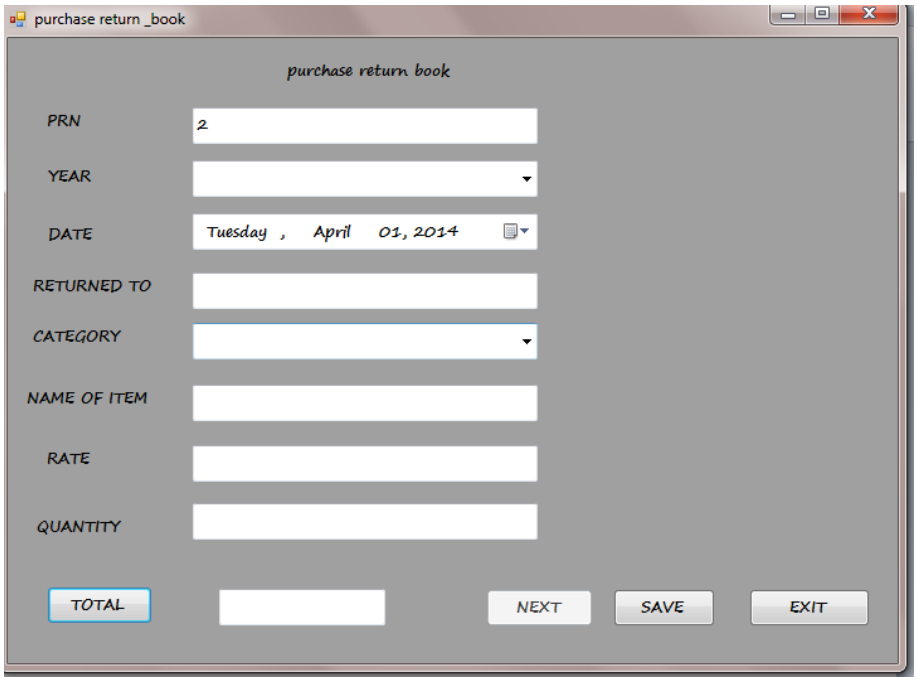
6.Cash purchase form



7. Credit purchase

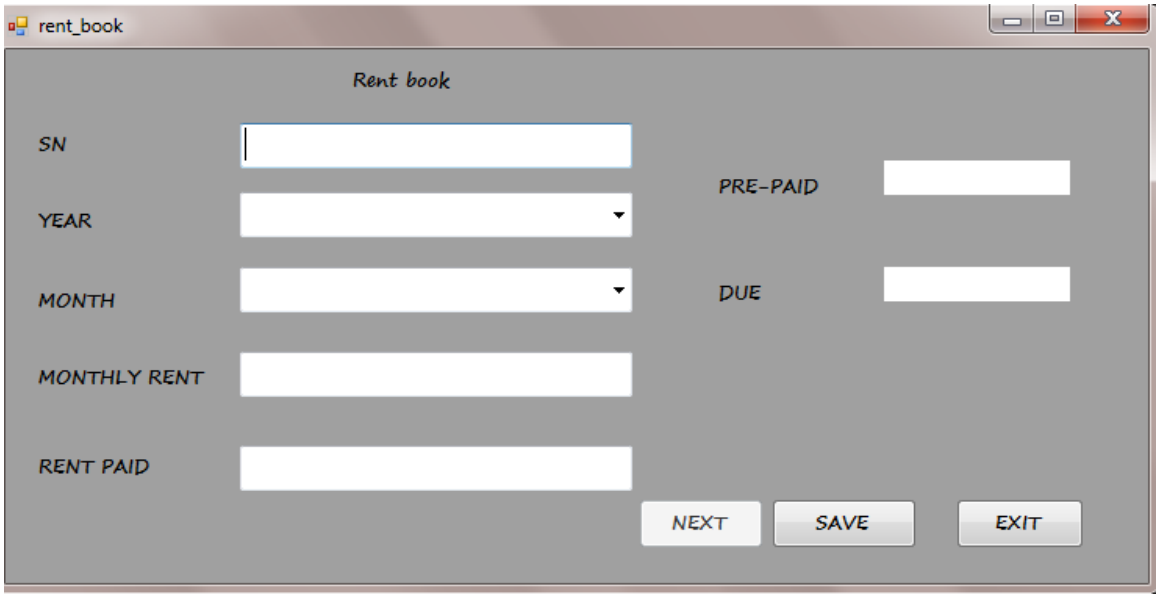


8. Purchase return form

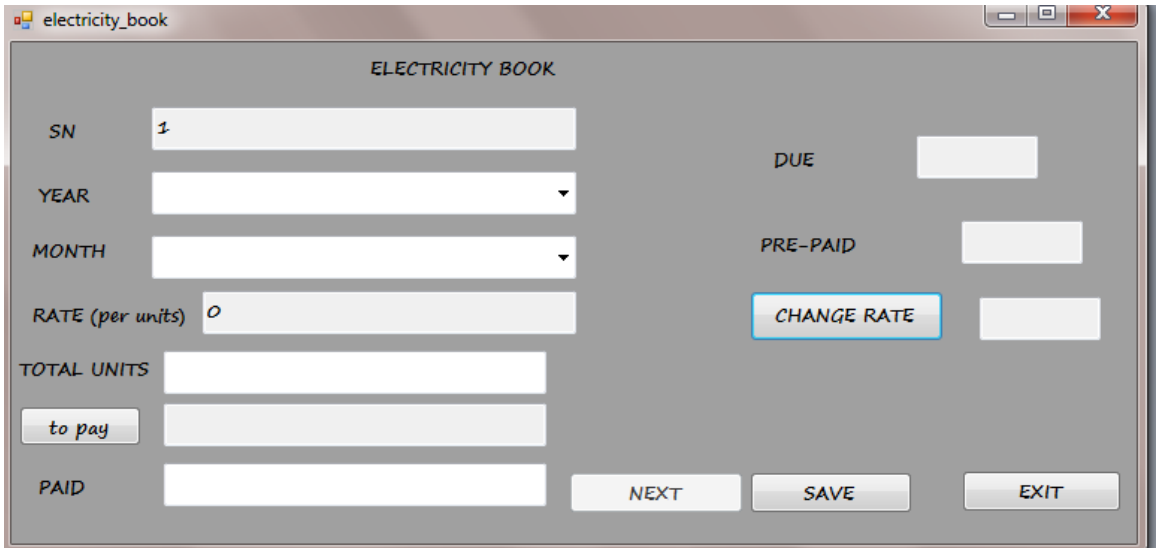


9. Wage form

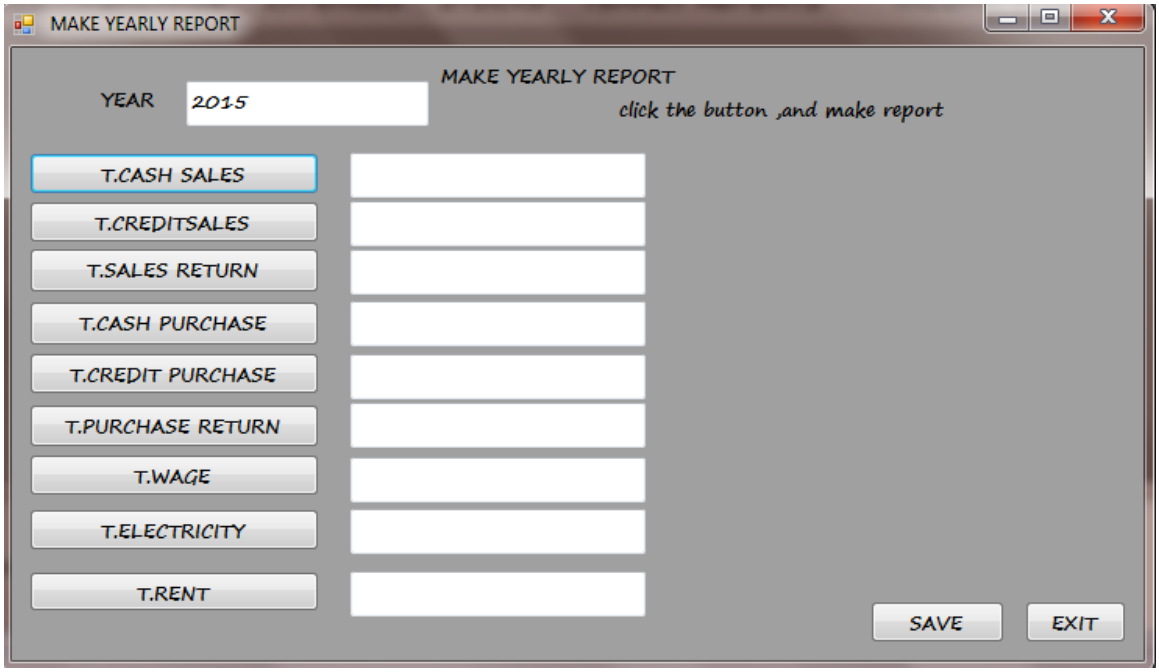
10. Rent form



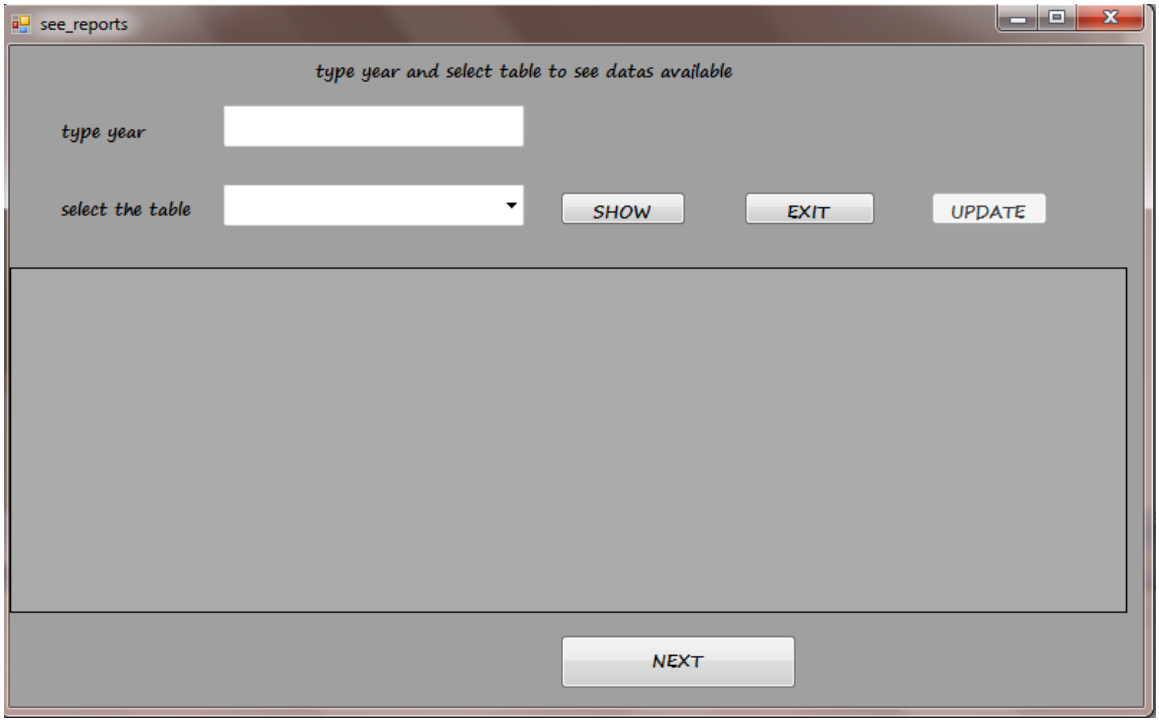
11. Electricity form



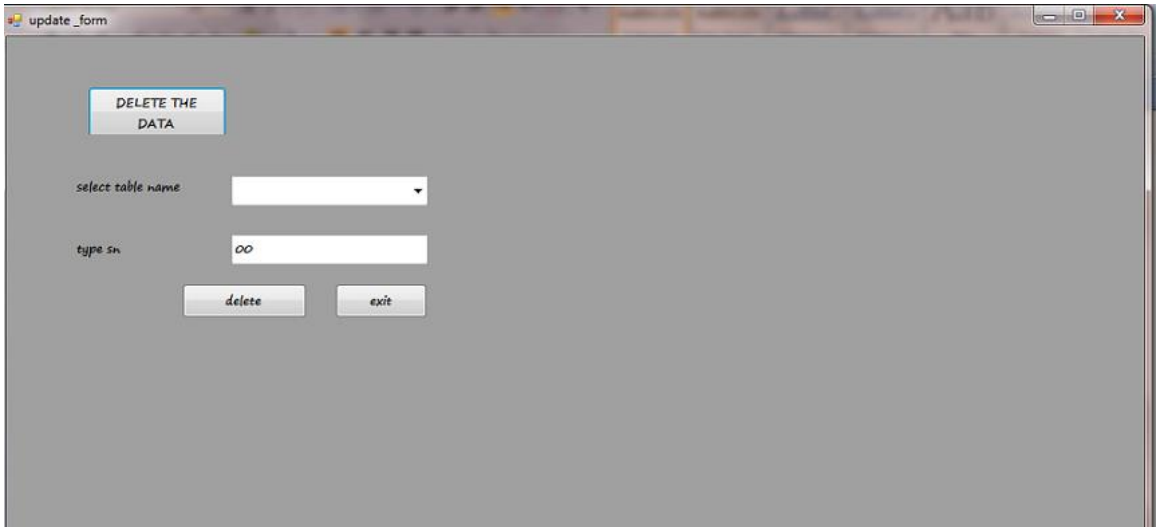
12. Make report form



13. See report form



14. Delete screen



DATABASE designs

Login table

login

Field Name	Data Type
uname	Text
password	Text

Cash purchase table

cashpurchase

Field Name	Data Type
cpn	Number
date	Text
category	Text
name of item	Text
rate	Number
quantity	Number
total	Number
year	Number
purchase from	Text

Cash sales table

cashsales

Field Name	Data Type
sn	Number
date	Text
category	Text
name of item	Text
rate	Number
quantity	Number
total	Number
year	Number

Credit purchase table

creditpurchase

Field Name	Data Type
crpn	Number
date	Text
category	Text
name of item	Text
rate	Number
quantity	Number
total	Number
year	Number
purchased from	Text

Credit sales table

creditsales

Field Name	Data Type
sn	Number
date	Text
customer name	Text
category	Text
name of item	Text
rate	Number
quantity	Number
total	Number
year	Number

Electricity table

electricity

Field Name	Data Type
sn	AutoNumber
year	Number
month	Text
rate per units	Number
total units	Number
to pay	Number
paid	Number
due	Number
prepaid	Number

Purchase return table

purchasereturn

Field Name	Data Type
prn	Number
date	Text
category	Text
name of item	Text
rate	Number
quantity	Number
total	Number
year	Number
returned to	Text

Rent table

rent

Field Name	Data Type
sn	Number
year	Number
month	Text
monthly rent	Number
rent paid	Number
prepaid	Number
due	Number

Sales return table

salesreturn

Field Name	Data Type
srn	Number
date	Text
category	Text
name of item	Text
rate	Number
quantity	Number
total	Number
year	Number
returned from	Text

Wage tables

wage

Field Name	Data Type
sn	Number
year	Number
month	Text
name of employee	Text
post	Text
salary	Number
paid	Number
due	Number
prepaid	Number

Yearly book table

yearlybook

Field Name	Data Type
year	Number
cash sales	Number
credit sales	Number
credit purchase	Number
cash purchase	Number
sales return	Number
purchase return	Number
stocks	Number

Programming

Code Listing

1. Frm - Represents form in project.

2. btn - Represents button in project.

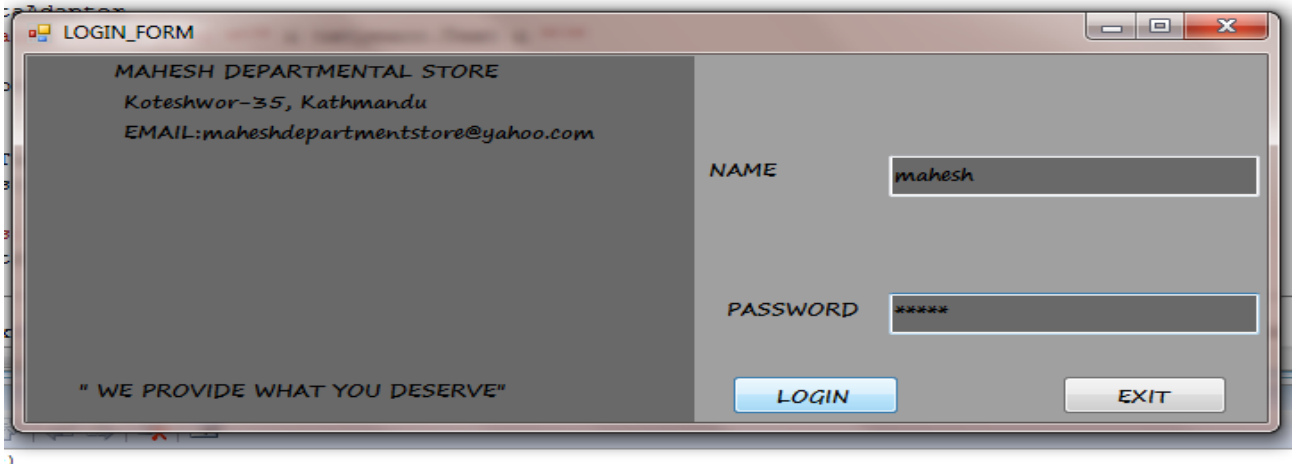
3. txt - Represents text box in project.

4. cmb - Represents combo box in project

Connection

```
Imports System.Data.OleDb
Public Class mahesh
    Dim con As New OleDb.OleDbConnection
    Public Shared cn As OleDbConnection
    Public Shared Sub perform()
        cn = New
OleDb.OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0;Data
Source=D:\mahesh accounting system.accdb")
        cn.Open()
    End Sub

End Class
```

Login Screen




```
Imports System.Data.OleDb
Public Class LOGINFORM

    Private Sub btnLOGIN_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnLOGIN.Click
        mahesh.perform() ' for connection with the data base

        If Txtname.Text = "" And txtpassword.Text = "" Then
'validation check if both the texbox box are not filled'

            MsgBox("please type username and password",
MsgBoxStyle.Exclamation, "mahesh accounting system") 'messagebox
to show error
        ElseIf txtpassword.Text = "" Then 'to check if password
is typed

            MsgBox("please type the password",
MsgBoxStyle.Exclamation, "mahesh accounting system")
        ElseIf Txtname.Text = "" Then
            MsgBox("please type user name",
MsgBoxStyle.Exclamation, "mahesh accounting system")
        Else

            Dim strs As String
            Dim ds As New DataSet
            Dim da As New OleDb.OleDbDataAdapter

            strs = "select * from login where uname='" &
Txtname.Text & "'and password='" & txtpassword.Text & "'"
'selecting information from login table
```

```
            da = New OleDb.OleDbDataAdapter(strs, mahesh.cn)
            ds = New DataSet 'creating virtual dataset
            da.Fill(ds, "login")
            If ds.Tables(0).Rows.Count < 1 Then ' validation for
the username and password'
                MsgBox("invalid username or password,try again",
MsgBoxStyle.Exclamation, "mahesh accounting system") 'messagebox
for incorrect entry'
                Txtname.Clear()
                txtpassword.Clear()
                Txtname.Focus()
            Else
                main_form.Show() 'opens main form if the
password and username is correct

            End If
        End If
    End Sub

    Private Sub LOGINFORM_Load(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles MyBase.Load
        Txtname.Focus()
    End Sub

    Private Sub btnexit_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnexit.Click
        End
    End Sub
End Class
```

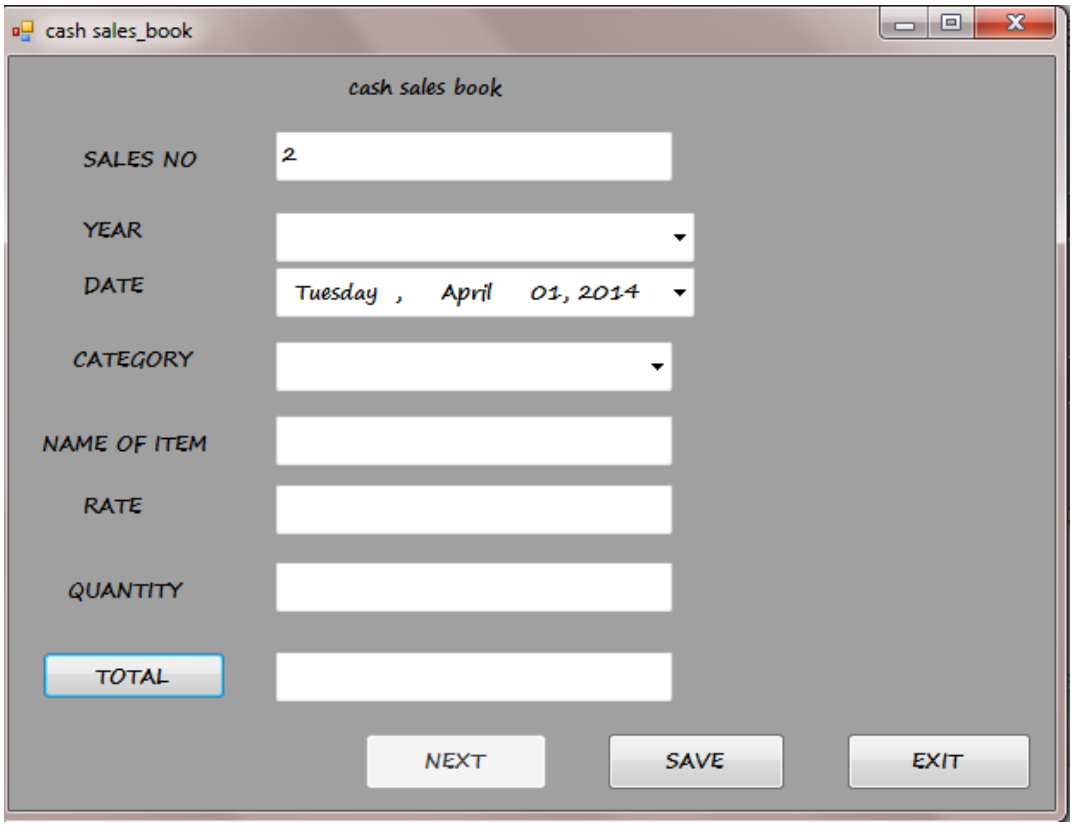
Main form


```
Imports System.Data.OleDb

Public Class main_form
    Private Sub CREDITSALESToolStripMenuItem_Click(ByVal sender
As System.Object, ByVal e As System.EventArgs) Handles
CREDITSALESToolStripMenuItem.Click
        CREDITSALES.Show()
    End Sub

    Private Sub CASHSALESToolStripMenuItem_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
CASHSALESToolStripMenuItem.Click
        Me.Close()
        cashsales.Show()

    End Sub

    Private Sub SALESRToolStripMenuItem_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
SALESRToolStripMenuItem.Click
        Me.Close()
        salesreturn.Show()

    End Sub
```

```
    Private Sub CASHPURCHASEToolStripMenuItem_Click(ByVal sender
As System.Object, ByVal e As System.EventArgs) Handles
CASHPURCHASEToolStripMenuItem.Click
        Me.Close()
        cashpurchase.Show()
    End Sub

    Private Sub CREDITPURCHASEToolStripMenuItem_Click(ByVal
sender As System.Object, ByVal e As System.EventArgs) Handles
CREDITPURCHASEToolStripMenuItem.Click
        Me.Close()
        credit_purchase.Show()
    End Sub

    Private Sub PURCHASERETURNToolStripMenuItem_Click(ByVal
sender As System.Object, ByVal e As System.EventArgs) Handles
PURCHASERETURNToolStripMenuItem.Click
        Me.Close()
        purchasereturn.Show()
    End Sub

    Private Sub WAGESToolStripMenuItem_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
WAGESToolStripMenuItem.Click
        wages_book.Show()
    End Sub

    Private Sub RENTToolStripMenuItem_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
RENTToolStripMenuItem.Click
        rent.Show()
    End Sub

    Private Sub electricityToolStripMenuItem_Click(ByVal sender
As System.Object, ByVal e As System.EventArgs) Handles
HEATINGANDLIGHTINGToolStripMenuItem.Click
        Me.Close()
        electricity.Show()
    End Sub


    Private Sub MakeReportToolStripMenuItem_Click(ByVal sender
As System.Object, ByVal e As System.EventArgs) Handles
MakeReportToolStripMenuItem.Click
        report.Show()
    End Sub
```

```
  Private Sub SeeReportToolStripMenuItem_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
SeeReportToolStripMenuItem.Click
        see_reports.Show()
    End Sub
End Class
```

Cash sales book



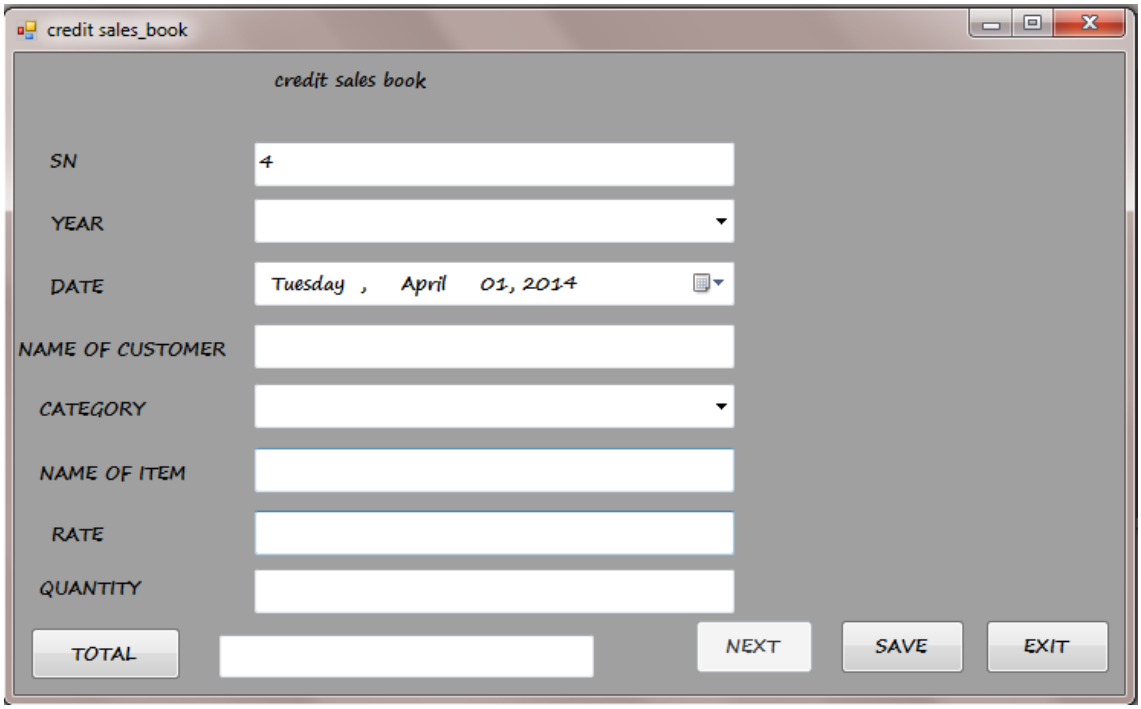

```
Imports System.Data.OleDb
Public Class cashsales
```

```
    Private Sub txtsave_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnsave.Click
        mahesh.perform()
```

```
        If txtsn.Text = "" Or txtdate.Text = "" Or txtyear.Text
= "" Or txtcategory.Text = "" Or txtrate.Text = "" Or
txtquantity.Text = " " Or txtitemname.Text = "" Then


            MsgBox("please type all the information",
MsgBoxStyle.Exclamation, "mahesh accounting system")

        Else

            Try
                Dim Str As String
                Dim cmd As OleDbCommand
                Str = "insert Into cashsales values(" &
txtsn.Text & ",'" & txtdate.Text & "','" & txtcategory.Text &
"','" & txtitemname.Text & "'," & txtrate.Text & "," &
txtquantity.Text & "," & txttotal.Text & ",'" & txtyear.Text &
"')"
                cmd = New OleDb.OleDbCommand(Str, mahesh.cn)
                cmd.ExecuteNonQuery()
                MessageBox.Show("record saved", "mahesh
accounting system ")
            Catch ex As Exception
                MessageBox.Show(ex.Message())
            End Try
        End If


        btnnext.Enabled = True
        btnsave.Enabled = False



    End Sub

    Private Sub txttotal_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles txtbutton.Click


        Dim a, b As Single
        a = Convert.ToSingle(txtrate.Text)
        b = Convert.ToSingle(txtquantity.Text)
        txttotal.Text = a * b
    End Sub

    Private Sub txtexit_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnexit.Click
```

```
        Me.Close()
        main_form.Show()
    End Sub

    Private Sub cashsales_Load(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles MyBase.Load

        btnnext.Enabled = False
        Dim a As Single
        Dim strs As String
        Dim ds As New DataSet
        Dim da As New OleDb.OleDbDataAdapter
        strs = "select * from cashsales"
        da = New OleDb.OleDbDataAdapter(strs, mahesh.cn)
        ds = New DataSet
        da.Fill(ds, "cashsales")
        a = ds.Tables(0).Rows.Count
        If a = 0 Then
            txtsn.Text = 1
        Else
            txtsn.Text = a + 1
        End If
    End Sub



    Private Sub btnnext_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnnext.Click
        Dim b As Single
        b = Convert.ToSingle(txtsn.Text)
        b = b + 1
        txtsn.Text = b
        txtitemname.Clear()
        txtquantity.Clear()
        txtrate.Clear()
        txttotal.Clear()
        btnnext.Enabled = False
        btnsave.Enabled = True

    End Sub
```

Credit sales form

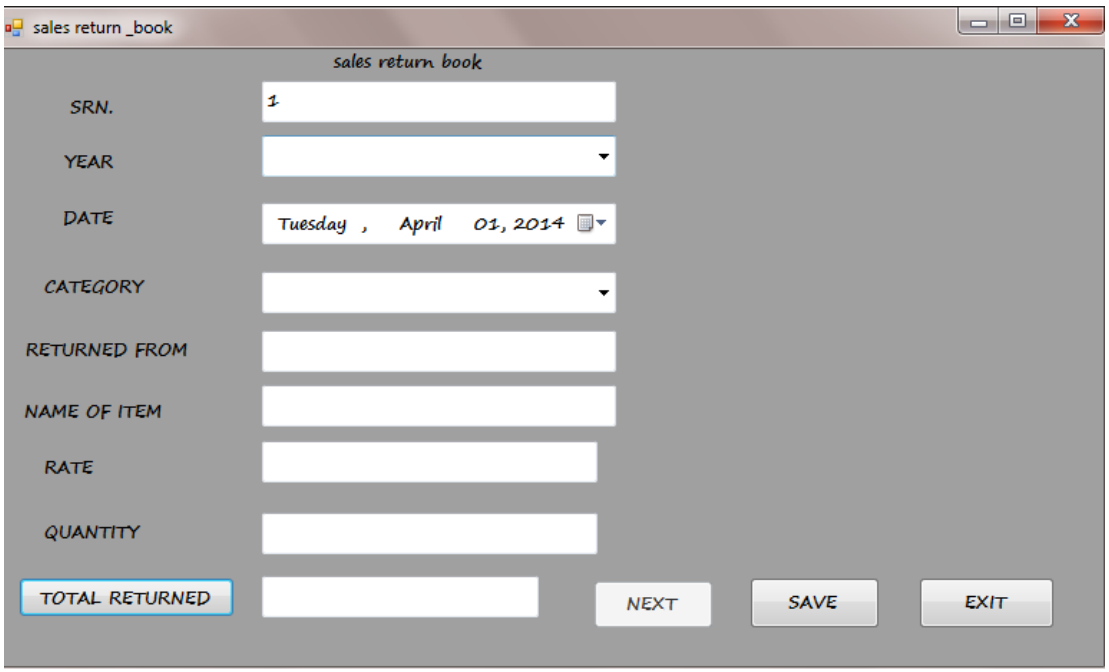



```
Imports System.Data.OleDb
Public Class CREDITSALES



    Private Sub btnexit_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnexit.Click
        Me.Close()
    End Sub

    Private Sub btnsave_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnsave.Click
        mahesh.perform()

        Try
            Dim Str As String
            Dim cmd As OleDbCommand
            Str = "insert Into creditsales values(" & txtsn.Text
& ",'" & txtdate.Text & "','" & txtconsumrname.Text & "','" &
Combocategory.Text & "','" & txtgoodname.Text & "'," &
txtrate.Text & "," & txtquantity.Text & "," & txttotal.Text &
",'" & txtyear.Text & "')"
```

```
            cmd = New OleDb.OleDbCommand(Str, mahesh.cn)
            cmd.ExecuteNonQuery()
            MessageBox.Show("record saved", "mahesh accounting
system")
        Catch ex As Exception
            MessageBox.Show(ex.Message())
        End Try
        btnsave.Enabled = False
        btnnext.Enabled = True
    End Sub

    Private Sub btntotal_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btntotal.Click
        Dim a, b As Single
        a = Convert.ToSingle(txtrate.Text)
        b = Convert.ToSingle(txtquantity.Text)
        txttotal.Text = a * b
    End Sub

    Private Sub CREDITSALES_Load(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles MyBase.Load
        Dim a As Single
        Dim strs As String
        Dim ds As New DataSet
        Dim da As New OleDb.OleDbDataAdapter
        strs = "select * from creditsales"
        da = New OleDb.OleDbDataAdapter(strs, mahesh.cn)
        ds = New DataSet
        da.Fill(ds, "electricity")
        a = ds.Tables(0).Rows.Count
        If a = 0 Then
            txtsn.Text = 1
        Else
            txtsn.Text = a + 1
        End If
        btnnext.Enabled = False
    End Sub
```

```
    Private Sub btnnext_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnnext.Click
        btnnext.Enabled = False
        btnsave.Enabled = True
        Dim b As Single
        b = Convert.ToSingle(txtsn.Text)
        b = b + 1
        txtsn.Text = b
        txtgoodname.Clear()
        txtquantity.Clear()
        txtrate.Clear()
        txttotal.Clear()
    End Sub
End Class
```

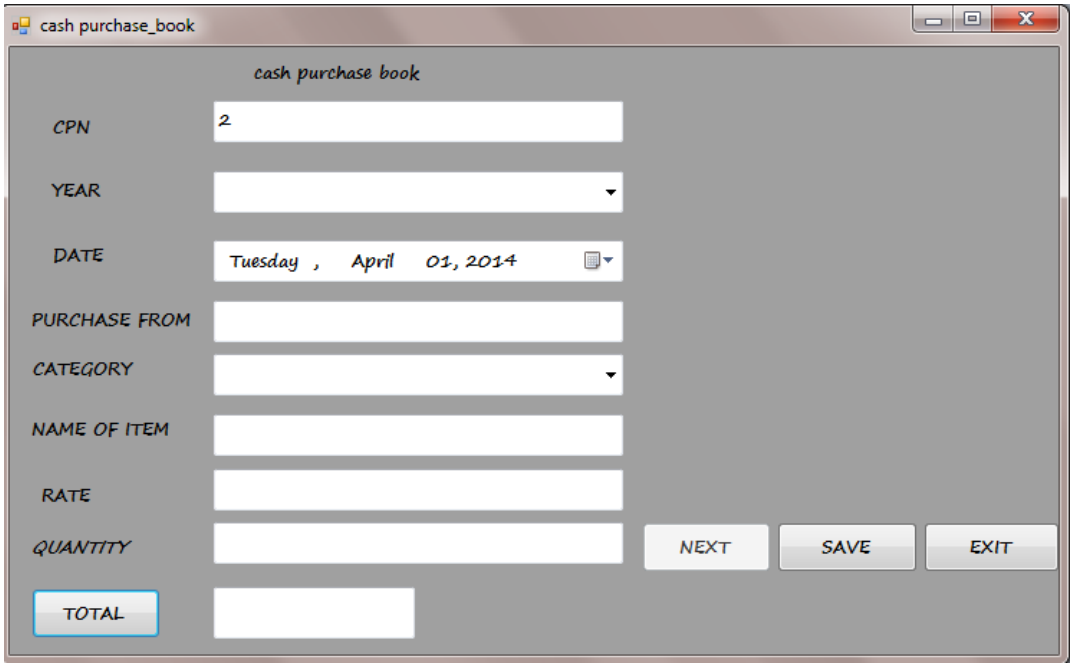
Sales return form



```
Imports System.Data.OleDb
Public Class salesreturn

    Private Sub btnsave_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnsave.Click
        mahesh.perform()
        If txtsrn.Text = "" Or txtitemname.Text = "" Or
txtquantity.Text = "" Or txtrate.Text = "" Then
            MsgBox("please fill the complete information",
MsgBoxStyle.Exclamation, "mahesh accounting system")
        Else
            Try
                Dim Str As String
                Dim cmd As OleDbCommand
                Str = "insert Into salesreturn values(" &
txtsrn.Text & ",'" & txtdate.Text & "','" & txtcategory.Text &
"','" & txtitemname.Text & "'," & txtrate.Text & "," &
txtquantity.Text & "," & txttotal.Text & ",'" & txtyear.Text &
"','" & txtreturnfrm.Text & "')"
                cmd = New OleDb.OleDbCommand(Str, mahesh.cn)
                cmd.ExecuteNonQuery()
                MessageBox.Show("record saved", "mahesh
accounting system")
            Catch ex As Exception
                MessageBox.Show(ex.Message())
            End Try
        End If
        btnsave.Enabled = False
        btnnext.Enabled = True
    End Sub

    Private Sub btntotal_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btntotal.Click
        Dim a, b As Single
        a = Convert.ToSingle(txtrate.Text)
        b = Convert.ToSingle(txtquantity.Text)
        txttotal.Text = a * b
    End Sub

    Private Sub btnexit_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnexit.Click
        Me.Close()
        main_form.Show()
    End Sub
```

```
    Private Sub salesreturn_Load(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles MyBase.Load
        btnnext.Enabled = False
        Dim a As Single
        Dim strs As String
        Dim ds As New DataSet
        Dim da As New OleDb.OleDbDataAdapter
        strs = "select * from salesreturn"
        da = New OleDb.OleDbDataAdapter(strs, mahesh.cn)
        ds = New DataSet
        da.Fill(ds, "electricity")
        a = ds.Tables(0).Rows.Count
        If a = 0 Then
            txtsrn.Text = 1
        Else
            txtsrn.Text = a + 1
        End If
    End Sub

    Private Sub btnnext_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnnext.Click
        Dim b As Single
        b = Convert.ToSingle(txtsrn.Text)

        b = b + 1
        txtsrn.Text = b
        txtitemname.Clear()
        txtquantity.Clear()
        txtrate.Clear()
        txttotal.Clear()
        btnnext.Enabled = False
        btnsave.enabled = True
    End Sub
End Class
```

Cash purchase form

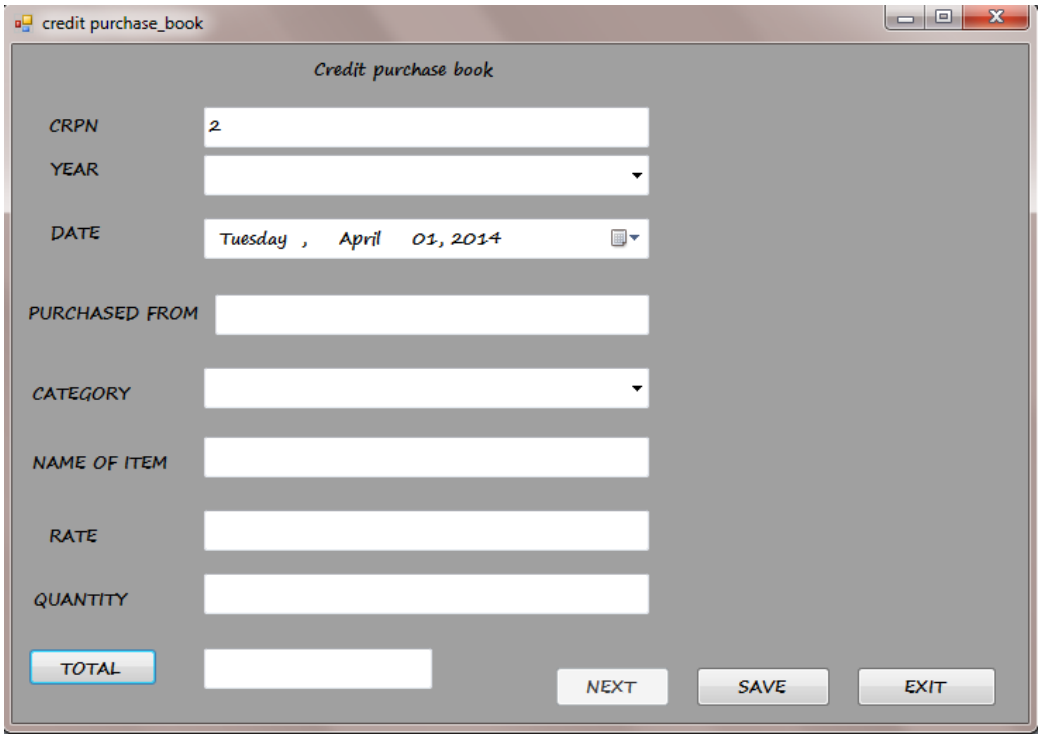



```
Imports System.Data.OleDb
Public Class cashpurchase

    Private Sub btnexit_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnexit.Click
        Me.Close() ' closes the current window
        main_form.Show() 'opens the main form
    End Sub

    Private Sub btntotal_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btntotal.Click
        Dim a, b As Double
        a = Convert.ToSingle(txtrate.Text)
        b = Convert.ToSingle(txtquantity.Text)
        txttotal.Text = a * b ' when tottal button is clicked
rate and quantity is muliplied and result will be shown in
txttotal textbox'
    End Sub

    Private Sub btnsave_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnsave.Click
        mahesh.perform()
        Try
```

```
            Dim Str As String
            Dim cmd As OleDbCommand
            Str = "insert Into cashpurchase values(" &
txtcpn.Text & ",'" & txtdate.Text & "','" & txtcategory.Text &
"','" & txtitemname.Text & "'," & txtrate.Text & "," &
txtquantity.Text & "," & txttotal.Text & ",'" & txtyear.Text &
"','" & TXPURCHASEFROM.Text & "')"
            'above statement saves the data in the cashpurchase
table'
            cmd = New OleDb.OleDbCommand(Str, mahesh.cn)
            cmd.ExecuteNonQuery()
            MessageBox.Show("record saved", "mahesh accounting
system") 'message when record is saved'
        Catch ex As Exception
            MessageBox.Show(ex.Message())
        End Try
        btnnext.Enabled = True 'after saving data btn next
become enabled
        btnsave.Enabled = False
    End Sub

    Private Sub cashpurchase_Load(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles MyBase.Load
        btnnext.Enabled = False
        Dim a As Single
        Dim strs As String
        Dim ds As New DataSet
        Dim da As New OleDb.OleDbDataAdapter
        strs = "select * from cashpurchase"
        da = New OleDb.OleDbDataAdapter(strs, mahesh.cn)
        ds = New DataSet
        da.Fill(ds, "cashpurchase")
        a = ds.Tables(0).Rows.Count
        If a = 0 Then
            txtcpn.Text = 1
        Else
            txtcpn.Text = a + 1
        End If
    End Sub
```

```
    Private Sub btnnext_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnnext.Click
        Dim b As Single
        b = Convert.ToSingle(txtcpn.Text)

        b = b + 1     'increases the cash purchase number by 1
automatically if next button is clicked'
        txtcpn.Text = b
        txtitemname.Clear()    ' all the textboxes will be
cleared once the next button is clicked'
        txtquantity.Clear()
        txtrate.Clear()
        txttotal.Clear()
    End Sub
End Class
```

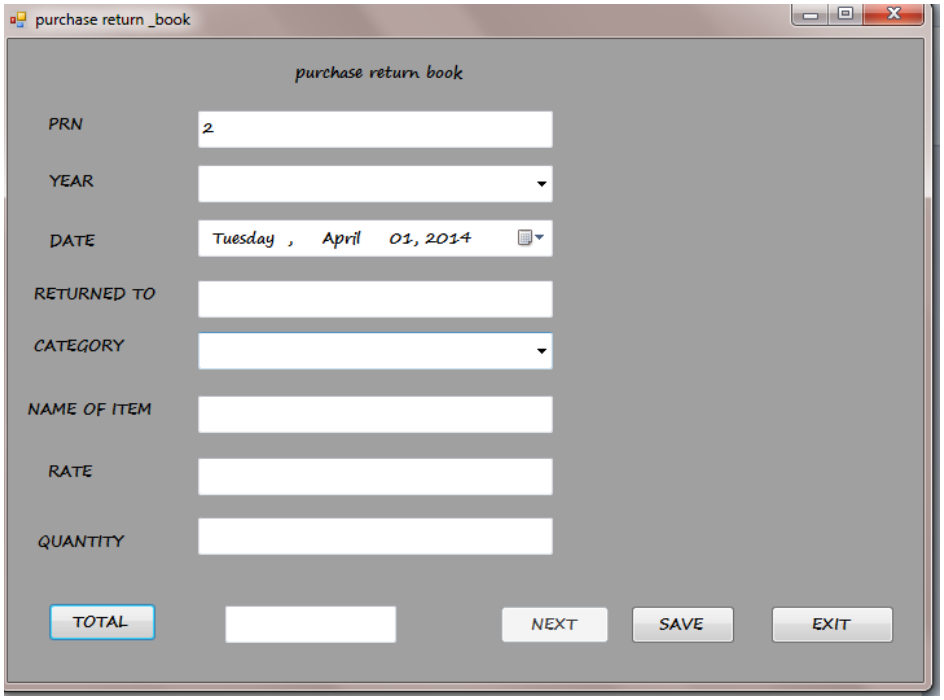
Credit purchase form



```
Imports System.Data.OleDb
Public Class credit_purchase

    Private Sub Button3_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnexit.Click
        Me.Close()
        main_form.Show()
    End Sub


    Private Sub btnsave_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnsave.Click
        mahesh.perform()

        Try
            Dim Str As String
            Dim cmd As OleDbCommand
            Str = "insert Into creditpurchase values(" &
txtcrpn.Text & ",'" & txtdate.Text & "','" & txtcategory.Text &
"','" & txtitemname.Text & "'," & txtrate.Text & "," &
txtquantity.Text & "," & txttotal.Text & ",'" & txtyear.Text &
"','" & TXTpurchasedfrm.Text & "')"
            cmd = New OleDb.OleDbCommand(Str, mahesh.cn)
            cmd.ExecuteNonQuery()
            MessageBox.Show("record saved", " mahesh accounting
system")
        Catch ex As Exception
            MessageBox.Show(ex.Message())
        End Try
        txtcrpn.Clear()
        txtitemname.Clear()
        txtquantity.Clear()
        txtrate.Clear()
        txttotal.Clear()

    End Sub

    Private Sub btntotal_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btntotal.Click
        Dim a, b As Single
        a = Convert.ToSingle(txtrate.Text)
        b = Convert.ToSingle(txtquantity.Text)
        txttotal.Text = a * b
    End Sub

    Private Sub credit_purchase_Load(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
```

```
        btnnext.Enabled = False
        Dim a As Single
        Dim strs As String
        Dim ds As New DataSet
        Dim da As New OleDb.OleDbDataAdapter
        strs = "select * from creditpurchase"
        da = New OleDb.OleDbDataAdapter(strs, mahesh.cn)
        ds = New DataSet
        da.Fill(ds, "electricity")
        a = ds.Tables(0).Rows.Count
        If a = 0 Then
            txtcrpn.Text = 1
        Else
            txtcrpn.Text = a + 1
        End If
    End Sub

    Private Sub btnnext_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnnext.Click
        Dim b As Single
        b = Convert.ToSingle(txtcrpn.Text)

        b = b + 1
        txtcrpn.Text = b
        txtitemname.Clear()
        txtquantity.Clear()
        txtrate.Clear()
        txttotal.Clear()
    End Sub
End Class
```

Purchase return form




```
Imports System.Data.OleDb
Public Class purchasereturn

    Private Sub purchasereturn_Load(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
        btnnext.Enabled = False
        Dim a As Single
        Dim strs As String
        Dim ds As New DataSet
        Dim da As New OleDb.OleDbDataAdapter
        strs = "select * from purchasereturn"
        da = New OleDb.OleDbDataAdapter(strs, mahesh.cn)
        ds = New DataSet
        da.Fill(ds, "electricity")
        a = ds.Tables(0).Rows.Count
        If a = 0 Then
            txtprn.Text = 1
        Else
            txtprn.Text = a + 1
        End If
    End Sub
```

```
    Private Sub btnsave_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnsave.Click
        mahesh.perform()

        Try
            Dim Str As String
            Dim cmd As OleDbCommand
            Str = "insert Into purchasereturn values(" &
txtprn.Text & ",'" & txtdate.Text & "','" & txtcategory.Text &
"','" & txtitemname.Text & "'," & txtrate.Text & "," &
txtquantity.Text & "," & txttotal.Text & ",'" & txtyear.Text &
"','" & TXTreturnedto.Text & "')"
            cmd = New OleDb.OleDbCommand(Str, mahesh.cn)
            cmd.ExecuteNonQuery()
            MessageBox.Show("record saved", "mahesh accounting
sysstem")
        Catch ex As Exception
            MessageBox.Show(ex.Message())
        End Try

    End Sub

    Private Sub btntotal_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btntotal.Click
        Dim a, b As Single
        a = Convert.ToSingle(txtrate.Text)
        b = Convert.ToSingle(txtquantity.Text)
        txttotal.Text = a * b
    End Sub

    Private Sub btnexit_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnexit.Click
        Me.Close()
        main_form.Show()
    End Sub
```

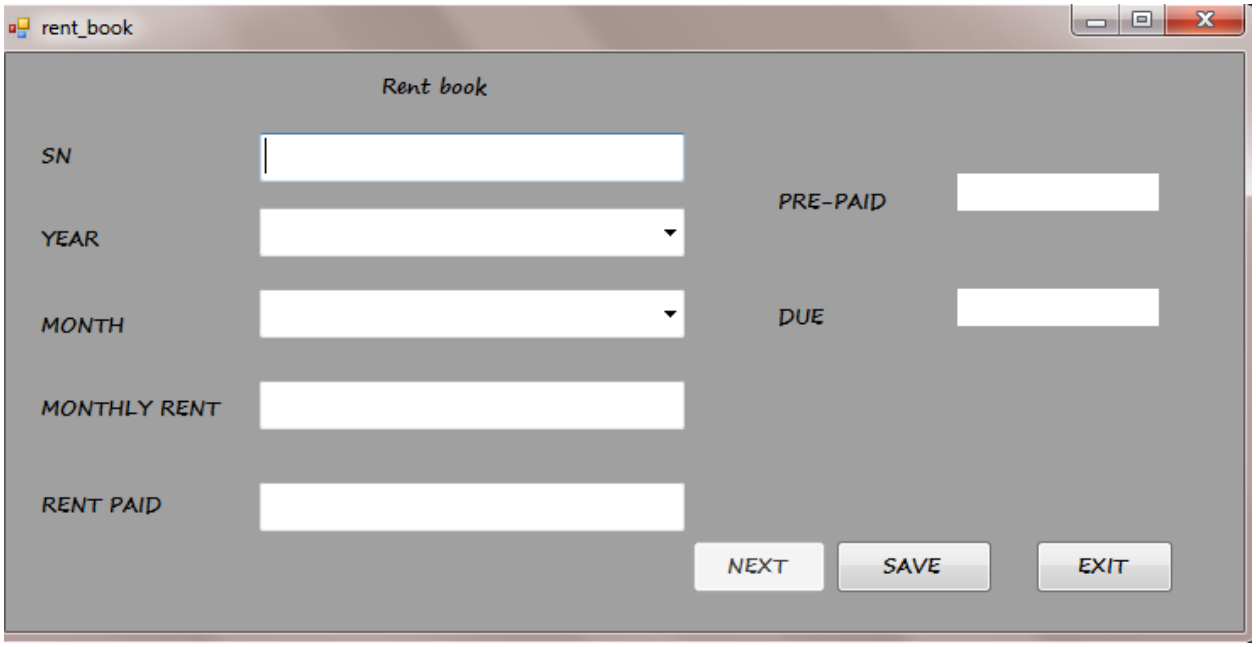
```
    Private Sub btnnext_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnnext.Click
        Dim b As Single
        b = Convert.ToSingle(txtprn.Text)

        b = b + 1
        txtprn.Text = b
        txtitemname.Clear()
        txtquantity.Clear()
        txtrate.Clear()
        txttotal.Clear()
    End Sub
End Class
```

Wage form

```
Imports System.Data.OleDb
Public Class wages_book

    Private Sub btnexit_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnexit.Click
        Me.Close()
        main_form.Show()
    End Sub

    Private Sub btnsave_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnsave.Click
        mahesh.perform()
        Try
            Dim a, b As Integer
            a = Convert.ToSingle(txtsalary.Text)
            b = Convert.ToSingle(txtpaid.Text)
            If a > b Then
                TXTDUE.Text = (a - b)
                TXTPREPAID.Text = 0
            ElseIf b > a Then
                TXTPREPAID.Text = (b - a)
                TXTDUE.Text = 0
            ElseIf a = b Then
                TXTDUE.Text = 0
                TXTPREPAID.Text = 0
            End If

        Catch ex As Exception
            MessageBox.Show(ex.Message())


        End Try


        Try
            Dim Str As String
            Dim cmd As OleDbCommand
            Str = "insert Into wage values(" & txtsn.Text & ","
& txtyear.Text & ",'" & txtmonth.Text & "','" & txtname.Text &
"','" & txtpost.Text & "'," & txtsalary.Text & "," &
txtpaid.Text & "," & TXTDUE.Text & "," & TXTPREPAID.Text & ")"
            cmd = New OleDb.OleDbCommand(Str, mahesh.cn)
            cmd.ExecuteNonQuery()
            MessageBox.Show("record saved", "mahesh accounting
system")
```

```
        Catch ex As Exception
            MessageBox.Show(ex.Message())
        End Try
        btnsave.Enabled = False
        btnnext.Show()
        btnnext.Enabled = True



    End Sub

    Private Sub wages_book_Load(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles MyBase.Load


        mahesh.perform()
        Dim a As Single
        Dim strs As String
        Dim ds As New DataSet
        Dim da As New OleDb.OleDbDataAdapter
        strs = "select * from wage"
        da = New OleDb.OleDbDataAdapter(strs, mahesh.cn)
        ds = New DataSet
        da.Fill(ds, "wage")
        a = ds.Tables(0).Rows.Count
        txtsn.Text = a + 1
        btnnext.Enabled = False

    End Sub
    Private Sub btnnext_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnnext.Click
        Dim a As Single
        a = Convert.ToSingle(txtsn.Text)
        a = a + 1
        txtsn.Text = a
        btnnext.Enabled = False
        btnsave.Enabled = True
        TXTDUE.Clear()
        txtpaid.Clear()
        txtname.Clear()
        TXTPREPAID.Clear()
        txtsalary.Clear()


    End Sub
End Class
```

Rent form

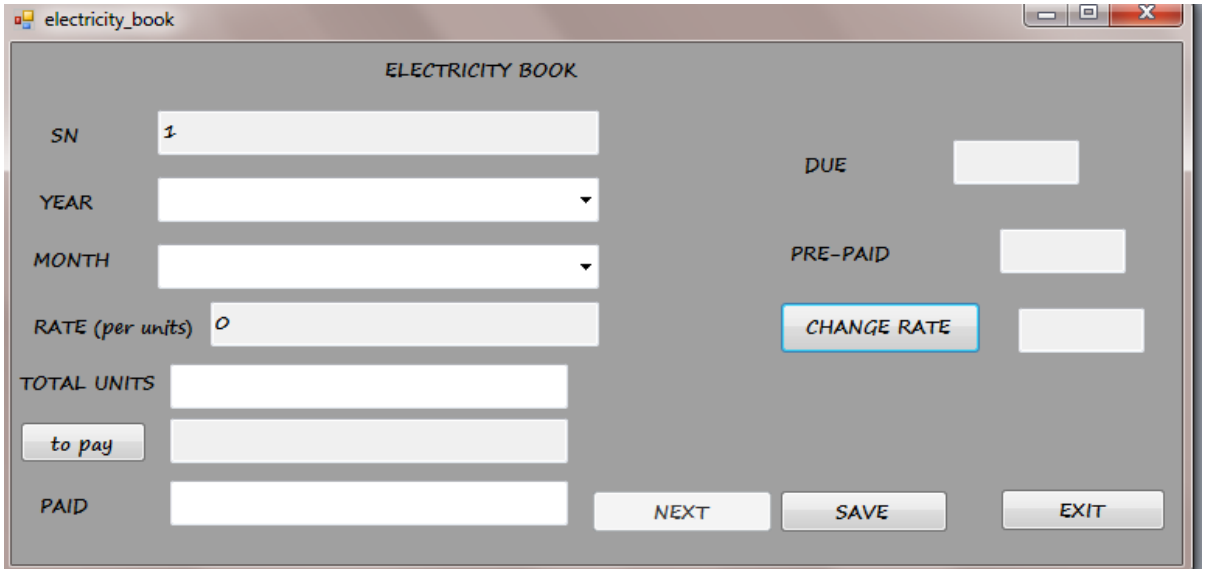



```
Imports System.Data.OleDb
Public Class rent

    Private Sub rent_Load(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles MyBase.Load
        btnnext.Enabled = False
        mahesh.perform()

        Dim a As Single
        Dim strs As String
        Dim ds As New DataSet
        Dim da As New OleDb.OleDbDataAdapter
        strs = "select * from rent"
        da = New OleDb.OleDbDataAdapter(strs, mahesh.cn)
        ds = New DataSet
        da.Fill(ds, "login")
        a = ds.Tables(0).Rows.Count
        If a = 0 Then
            txtsn.Text = 1
        Else
            txtsn.Text = a + 1
        End If
    End Sub
```

```
    Private Sub btnsave_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnsave.Click
        mahesh.perform()
        Dim a, b As Integer
        a = Convert.ToSingle(txtrent.Text) ' stores the
numerical value of txtrent in 'a'
        b = Convert.ToSingle(txtpaid.Text) 'stores the numerical
value of txtpaid in 'b'
        If a > b Then
            txtdue.Text = (a - b)
            txtprepaid.Text = 0
        ElseIf b > a Then
            txtprepaid.Text = (b - a)
'comparisons to find out due or prepaid
            txtdue.Text = 0
        ElseIf a = b Then
            txtdue.Text = 0
            txtprepaid.Text = 0

        End If

        Try
            Dim Str As String
            Dim cmd As OleDbCommand
            Str = "insert Into rent values(" & txtsn.Text & ",'"
& txtyear.Text & "','" & cmbmonth.Text & "','" & txtrent.Text &
"'," & txtpaid.Text & "," & txtprepaid.Text & "," & txtdue.Text
& ")"
            cmd = New OleDb.OleDbCommand(Str, mahesh.cn)
            cmd.ExecuteNonQuery()
            MessageBox.Show("record saved", "mahesh accounting
system")
        Catch ex As Exception
            MessageBox.Show(ex.Message())
        End Try
        btnsave.Enabled = False
        btnnext.Enabled = True
    End Sub
```

```
    Private Sub btnnext_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnnext.Click
        Dim b As Single
        b = Convert.ToSingle(txtsn.Text)

        b = b + 1
        txtsn.Text = b

        btnsave.Enabled = True
        btnnext.Enabled = False

    End Sub
End Class
```

Form electricity




```
Imports System.Data.OleDb
Public Class electricity


    Private Sub btnsave_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnsave.Click
        mahesh.perform()
        txttotal.Text = (txtrate.Text) * (txtunit.Text)

        Try
```

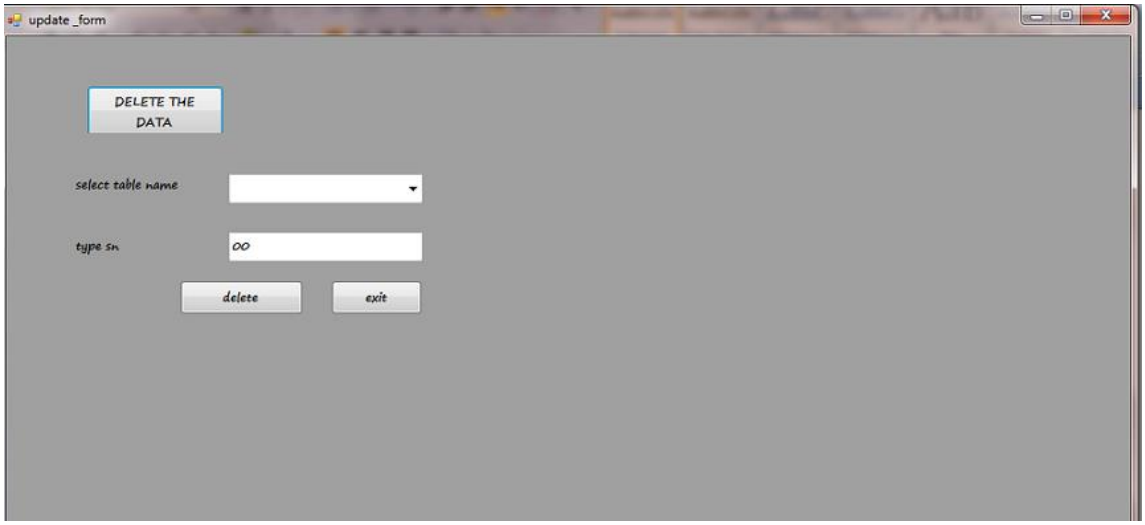
```
            Dim a, b As Integer
            a = Convert.ToSingle(txttotal.Text)
            b = Convert.ToSingle(txtpaid.Text)
            If a > b Then
                txtdue.Text = (a - b)
                txtprepaid.Text = 0
            ElseIf b > a Then
                txtprepaid.Text = (b - a)
                txtdue.Text = 0
            ElseIf a = b Then
                txtdue.Text = 0
                txtprepaid.Text = 0

            End If

        Catch ex As Exception
            MessageBox.Show(ex.Message())


        End Try


        Try
            Dim Str As String
            Dim cmd As OleDbCommand
            Str = "insert Into electricity values(" & txtsn.Text
& ",'" & txtyear.Text & "','" & cmbmonth.Text & "','" &
txtrate.Text & "','" & txtunit.Text & "'," & txttotal.Text & ","
& txtpaid.Text & "," & txtdue.Text & "," & txtprepaid.Text & ")"
            cmd = New OleDb.OleDbCommand(Str, mahesh.cn)
            cmd.ExecuteNonQuery()
            MessageBox.Show("record saved", "mahesh accounting
system")
        Catch ex As Exception
            MessageBox.Show(ex.Message())
        End Try
        btnsave.Enabled = False
        btnnext.Enabled = True
        btnnext.Enabled = True


    End Sub

    Private Sub electricity_Load(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles MyBase.Load
        mahesh.perform()
```

```
        Dim a As Single
        Dim strs As String
        Dim ds As New DataSet
        Dim da As New OleDb.OleDbDataAdapter
        strs = "select * from electricity"
        da = New OleDb.OleDbDataAdapter(strs, mahesh.cn)
        ds = New DataSet
        da.Fill(ds, "electricity")
        a = ds.Tables(0).Rows.Count
        If a = 0 Then
            txtsn.Text = 1
        Else
            txtsn.Text = a + 1
        End If



            txtsn.ReadOnly = True
            txtrate.ReadOnly = True
            txtdue.ReadOnly = True
            txtprepaid.ReadOnly = True
            txtchangerate.ReadOnly = True
            txtrate.Text = 0
            txtdue.ReadOnly = True
            txttotal.ReadOnly = True
            btnok.Hide()

        btnnext.Enabled = False
    End Sub

    Private Sub btnchange_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnchange.Click
        txtyear.Enabled = False
        txtdue.ReadOnly = True
        txtpaid.ReadOnly = True
        txttotal.ReadOnly = True
        txtunit.ReadOnly = True

        txtchangerate.ReadOnly = False
        btnchange.Hide()
        btnok.Show()

    End Sub

    Private Sub btnok_Click(ByVal sender As System.Object, ByVal
e As System.EventArgs) Handles btnok.Click
```

```
        txtrate.Text = txtchangerate.Text
        txtchangerate.ReadOnly = True
        btnok.Hide()
        btnchange.Show()
        txtyear.Enabled = True
        txtdue.ReadOnly = False
        txtpaid.ReadOnly = False
        txttotal.ReadOnly = False
        txtunit.ReadOnly = False
    End Sub

    Private Sub btnnext_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnnext.Click
        Dim b As Single
        b = Convert.ToSingle(txtsn.Text)

        b = b + 1
        txtsn.Text = b

        Dim strs As String
        Dim ds As New DataSet
        Dim da As New OleDb.OleDbDataAdapter
        strs = "select * from wage"
        da = New OleDb.OleDbDataAdapter(strs, mahesh.cn)
        ds = New DataSet
        da.Fill(ds, "login")


        txtdue.Clear()
        txtprepaid.Clear()
        txtunit.Clear()
        txtpaid.Clear()
        txttotal.Clear()
        btnnext.Enabled = False
        btnsave.Enabled = True


    End Sub
```

```
    Private Sub btnexit_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnexit.Click
        Me.Close()
        main_form.Show()

    End Sub

    Private Sub btntopay_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btntopay.Click
        Dim a, b As Single
        a = Convert.ToSingle(txtrate.Text)
        b = Convert.ToSingle(txtunit.Text)
        txttotal.Text = a * b
    End Sub
End Class
```

Delete form




```
Private Sub btndelete_Click(ByVal sender As System.Object, ByVal
e As System.EventArgs) Handles btndelete.Click


        Paneldeleteandmodify.Hide()
        Panelconfirm.Show()
        Dim strs As String
        Dim ds As New DataSet
        Dim da As New OleDb.OleDbDataAdapter
        If cmbselect.Text = "creditsales" Then
```

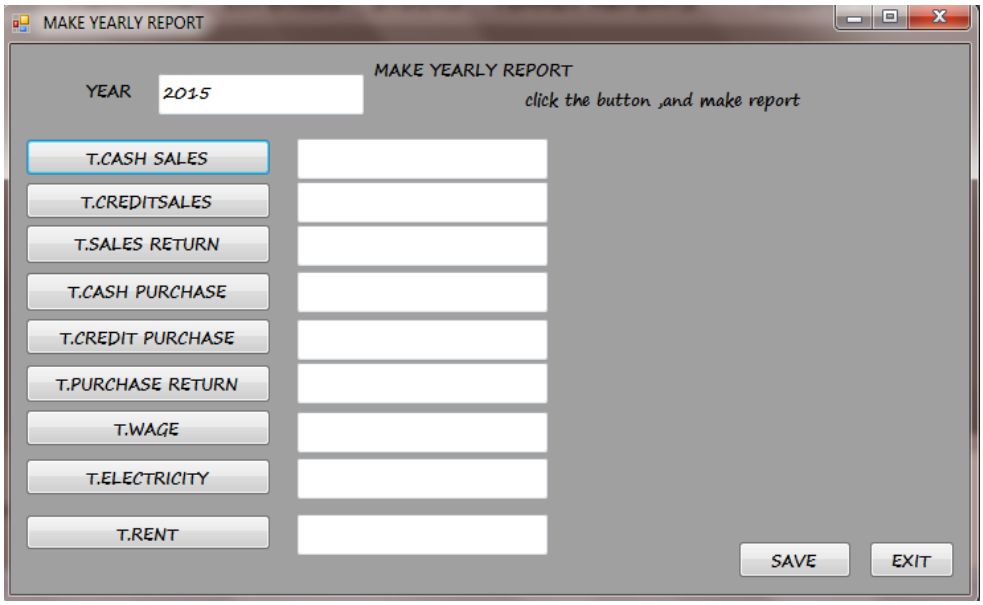
```
            strs = "select * from creditsales where sn =" &
txtsn.Text & ""
            da = New OleDb.OleDbDataAdapter(strs, mahesh.cn)
            ds = New DataSet
            da.Fill(ds, "creditsales")
        ElseIf cmbselect.Text = "cashsales" Then
            strs = "select * from cashsales where sn=" &
txtsn.Text & ""
            da = New OleDb.OleDbDataAdapter(strs, mahesh.cn)
            ds = New DataSet
            da.Fill(ds, "cashsales")
        ElseIf cmbselect.Text = "salesreturn" Then
            strs = "select * from salesreturn where srn=" &
txtsn.Text & ""
            da = New OleDb.OleDbDataAdapter(strs, mahesh.cn)
            ds = New DataSet
            da.Fill(ds, "salesreturn")

        ElseIf cmbselect.Text = "cashpurchase" Then
            strs = "select * from cashpurchase where cpn=" &
txtsn.Text & ""
            da = New OleDb.OleDbDataAdapter(strs, mahesh.cn)
            ds = New DataSet
            da.Fill(ds, "cashpurchase")
        ElseIf cmbselect.Text = "creditpurchase" Then
            strs = "select * from creditpurchase where crpn=" &
txtsn.Text & ""
            da = New OleDb.OleDbDataAdapter(strs, mahesh.cn)
            ds = New DataSet
            da.Fill(ds, "creditpurchase")
        ElseIf cmbselect.Text = "purchasereturn" Then
            strs = "select * from purchasereturn where prn=" &
txtsn.Text & ""
            da = New OleDb.OleDbDataAdapter(strs, mahesh.cn)
            ds = New DataSet
            da.Fill(ds, "purchasereturn")
        ElseIf cmbselect.Text = "wage" Then
            strs = "select * from wage where sn=" & txtsn.Text &
""
            da = New OleDb.OleDbDataAdapter(strs, mahesh.cn)
            ds = New DataSet
            da.Fill(ds, "wage")
        ElseIf cmbselect.Text = "rent" Then
            strs = "select * from rent where sn=" & txtsn.Text &
""
            da = New OleDb.OleDbDataAdapter(strs, mahesh.cn)
            ds = New DataSet
```

```
            da.Fill(ds, "rent")
        ElseIf cmbselect.Text = "electricity" Then
            strs = "select * from electricity where sn=" &
txtsn.Text & ""
            da = New OleDb.OleDbDataAdapter(strs, mahesh.cn)
            ds = New DataSet
            da.Fill(ds, "electricity")

        End If
        showdata.DataSource = ds.Tables(0)
        showdata.ReadOnly = True
        confirm.Show()
        confirm2.Hide()
        btnremove.Show()
        btnyes.Hide()
        If ds.Tables(0).Rows.Count < 1 Then
            MsgBox("the record doesnot exist",
MsgBoxStyle.Exclamation, "MAHESH ACOUNTING SYSTEM")
            Panelconfirm.Hide()
            Paneldeleteandmodify.Show()
        End If
    End Sub

    Private Sub btnremove_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnremove.Click
        mahesh.perform()



        If cmbselect.Text = "creditsales" Then
            Dim cmdDel As New OleDbCommand("Delete From
creditsales Where sn =" & txtsn.Text & "", mahesh.cn)
            cmdDel.ExecuteNonQuery()
            MessageBox.Show("Record Deleted", "mahesh accounting
system")

        ElseIf cmbselect.Text = "cashsales" Then
            Dim cmdDel As New OleDbCommand("Delete From
cashsales Where sn =" & txtsn.Text & "", mahesh.cn)
            cmdDel.ExecuteNonQuery()
            MessageBox.Show("Record Deleted", "mahesh accounting
system")

        ElseIf cmbselect.Text = "salesreturn" Then
            Dim cmdDel As New OleDbCommand("Delete From
salesreturn Where srn =" & txtsn.Text & "", mahesh.cn)
            cmdDel.ExecuteNonQuery()
```

```
            MessageBox.Show("Record Deleted", "mahesh accounting
system")

        ElseIf cmbselect.Text = "cashpurchase" Then
            Dim cmdDel As New OleDbCommand("Delete From
cashpurchase Where cpn =" & txtsn.Text & "", mahesh.cn)
            cmdDel.ExecuteNonQuery()
            MessageBox.Show("Record Deleted", "mahesh accounting
system")

        ElseIf cmbselect.Text = "creditpurchase" Then
            Dim cmdDel As New OleDbCommand("Delete From
creditpurchase Where crpn =" & txtsn.Text & "", mahesh.cn)
            cmdDel.ExecuteNonQuery()
            MessageBox.Show("Record Deleted", "mahesh accounting
system")

        ElseIf cmbselect.Text = "purchasereturn" Then
            Dim cmdDel As New OleDbCommand("Delete From
purchasereturn Where prn =" & txtsn.Text & "", mahesh.cn)
            cmdDel.ExecuteNonQuery()
            MessageBox.Show("Record Deleted", "mahesh accounting
system")

        ElseIf cmbselect.Text = "wage" Then
            Dim cmdDel As New OleDbCommand("Delete From wage
Where sn =" & txtsn.Text & "", mahesh.cn)
            cmdDel.ExecuteNonQuery()
            MessageBox.Show("Record Deleted", "mahesh accounting
system")


        ElseIf cmbselect.Text = "rent" Then
            Dim cmdDel As New OleDbCommand("Delete From rent
Where sn =" & txtsn.Text & "", mahesh.cn)
            cmdDel.ExecuteNonQuery()
            MessageBox.Show("Record Deleted", "mahesh accounting
system")
```

```
ElseIf cmbselect.Text = "electricity" Then
            Dim cmdDel As New OleDbCommand("Delete From
electricity Where sn =" & txtsn.Text & "", mahesh.cn)
            cmdDel.ExecuteNonQuery()
            MessageBox.Show("Record Deleted", "mahesh accounting
system")

        End If

        Panelconfirm.Hide()
        Paneldeleteandmodify.Show()

    End Sub
```

Make yearly report form




```
Imports System.Data.OleDb
Public Class report

    Private Sub btncashsales_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
btncashsales.Click
        mahesh.perform()

        Dim bal As Integer
        Dim strs As String
        Dim ds As New DataSet
```

```
        Dim da As New OleDb.OleDbDataAdapter
        strs = "select * from cashsales where year ='" &
txtyear.Text & "'"

        da = New OleDb.OleDbDataAdapter(strs, mahesh.cn)
        ds = New DataSet
        da.Fill(ds, "cashsales")
        For i As Integer = 0 To ds.Tables(0).Rows.Count - 1
            bal += ds.Tables(0).Rows(i).Item("total")
        Next
        MsgBox("    total cash sales is  " & bal,
MsgBoxStyle.Exclamation)
        txttcashsales.Text = bal.ToString()
    End Sub


    Private Sub btncreditsales_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
btncreditsales.Click
        mahesh.perform()
        Dim bal As Integer
        Dim strs As String
        Dim ds As New DataSet
        Dim da As New OleDb.OleDbDataAdapter
        strs = "select * from creditsales where year ='" &
txtyear.Text & "'"

        da = New OleDb.OleDbDataAdapter(strs, mahesh.cn)
        ds = New DataSet
        da.Fill(ds, "creditsales")
        For i As Integer = 0 To ds.Tables(0).Rows.Count - 1
            bal += ds.Tables(0).Rows(i).Item("total")


        Next
        MsgBox(" total  ccreditsales revenue for year is  " & ""
& bal, MsgBoxStyle.OkOnly, "mahesh accounting system")
        txtcreditsales.Text = bal.ToString()
    End Sub

    Private Sub btncreditpurchase_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
btncreditpurchase.Click
        mahesh.perform()
        Dim bal As Integer
        Dim strs As String
        Dim ds As New DataSet
```

```
        Dim da As New OleDb.OleDbDataAdapter
        strs = "select * from creditpurchase where year ='" &
txtyear.Text & "'"

        da = New OleDb.OleDbDataAdapter(strs, mahesh.cn)
        ds = New DataSet
        da.Fill(ds, "creditpurchase")
        For i As Integer = 0 To ds.Tables(0).Rows.Count - 1
            bal += ds.Tables(0).Rows(i).Item("total")


        Next
        MsgBox("    total value of creditpurchase for year is  "
& "" & bal, MsgBoxStyle.OkOnly, "mahesh acconting system")
        txtcreditpurchase.Text = bal.ToString()
    End Sub

    Private Sub btncashpurchase_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
btncashpurchase.Click
        mahesh.perform()
        Dim bal As Integer
        Dim strs As String
        Dim ds As New DataSet
        Dim da As New OleDb.OleDbDataAdapter
        strs = "select * from cashpurchase where year ='" &
txtyear.Text & "'"

        da = New OleDb.OleDbDataAdapter(strs, mahesh.cn)
        ds = New DataSet
        da.Fill(ds, "cashpurchase")
        For i As Integer = 0 To ds.Tables(0).Rows.Count - 1
            bal += ds.Tables(0).Rows(i).Item("total")
        Next
        MsgBox(" total cashpurchase for year is " & "" & bal,
MsgBoxStyle.OkOnly, "mahesh accounting system")
        txtcashpurchase.Text = bal.ToString()
    End Sub

    Private Sub btnsalesreturn_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
btnsalesreturn.Click
        mahesh.perform()
        Dim bal As Integer
        Dim strs As String
        Dim ds As New DataSet
        Dim da As New OleDb.OleDbDataAdapter
```

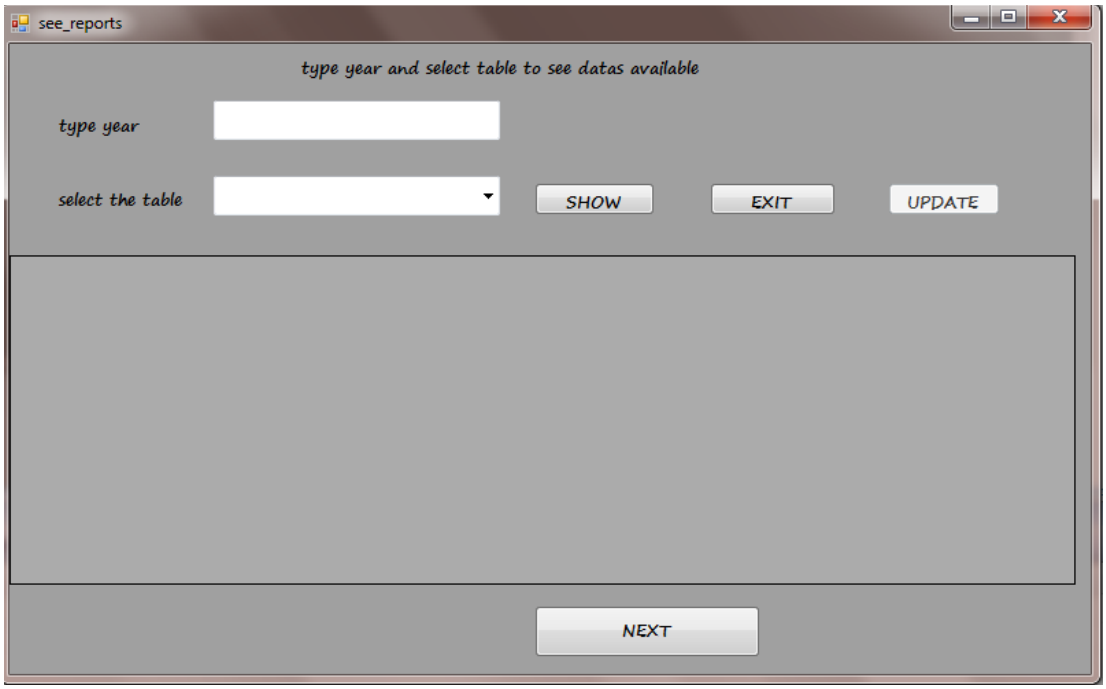
```
        strs = "select * from salesreturn where year ='" &
txtyear.Text & "'"

        da = New OleDb.OleDbDataAdapter(strs, mahesh.cn)
        ds = New DataSet
        da.Fill(ds, "salesreturn")
        For i As Integer = 0 To ds.Tables(0).Rows.Count - 1
            bal += ds.Tables(0).Rows(i).Item("total")


        Next
        MsgBox("    totalsales return for the year is  " & "" &
bal, MsgBoxStyle.OkOnly, "mahesh accounting system")
        txtsalesreturn.Text = bal.ToString()
    End Sub

    Private Sub btnpurchasereturn_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
btnpurchasereturn.Click
        mahesh.perform()
        Dim bal As Integer
        Dim strs As String
        Dim ds As New DataSet
        Dim da As New OleDb.OleDbDataAdapter
        strs = "select * from purchasereturn where year ='" &
txtyear.Text & "'"

        da = New OleDb.OleDbDataAdapter(strs, mahesh.cn)
        ds = New DataSet
        da.Fill(ds, "purchasereturn")
        For i As Integer = 0 To ds.Tables(0).Rows.Count - 1
            bal += ds.Tables(0).Rows(i).Item("total")


        Next
        MsgBox("total purchase return for the year is " & "" &
bal, MsgBoxStyle.OkOnly, "mahesh accounting system")

        txtpurchasereturn.Text = bal.ToString()
    End Sub

    Private Sub btnwage_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnwage.Click
        mahesh.perform()
        Dim bal As Integer
        Dim strs As String
        Dim ds As New DataSet
```

```
        Dim da As New OleDb.OleDbDataAdapter
        strs = "select * from wage where year ='" & txtyear.Text
& "'"

        da = New OleDb.OleDbDataAdapter(strs, mahesh.cn)
        ds = New DataSet
        da.Fill(ds, "wage")
        For i As Integer = 0 To ds.Tables(0).Rows.Count - 1
            bal += ds.Tables(0).Rows(i).Item("salary")


        Next
        MsgBox("total wages expenses for the year is " & "" &
bal, MsgBoxStyle.OkOnly, "mahesh accounting system")

        txtwage.Text = bal.ToString()
    End Sub

    Private Sub btnelectricity_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
btnelectricity.Click
        mahesh.perform()
        Dim bal As Integer
        Dim strs As String
        Dim ds As New DataSet
        Dim da As New OleDb.OleDbDataAdapter
        strs = "select * from electricity where year ='" &
txtyear.Text & "'"

        da = New OleDb.OleDbDataAdapter(strs, mahesh.cn)
        ds = New DataSet
        da.Fill(ds, "electricity")
        For i As Integer = 0 To ds.Tables(0).Rows.Count - 1
            bal += ds.Tables(0).Rows(i).Item("to pay")


        Next
        MsgBox("total electricity expense for the year is " & ""
& bal, MsgBoxStyle.Exclamation, "mahesh accounting system")

        txtelectricity.Text = bal.ToString()
    End Sub

    Private Sub btnrent_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnrent.Click
        mahesh.perform()
        Dim bal As Integer
```

```
        Dim strs As String
        Dim ds As New DataSet
        Dim da As New OleDb.OleDbDataAdapter
        strs = "select * from rent where year ='" & txtyear.Text
& "'"

        da = New OleDb.OleDbDataAdapter(strs, mahesh.cn)
        ds = New DataSet
        da.Fill(ds, "rent")
        For i As Integer = 0 To ds.Tables(0).Rows.Count - 1
            bal += ds.Tables(0).Rows(i).Item("monthly rent")


        Next
        MsgBox("total rent expenses of the year is " & "" & bal,
MsgBoxStyle.OkOnly, "mahesh accounting system")
        txtrent.Text = bal.ToString()
    End Sub
    Private Sub btnsave_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnsave.Click
        SFY.Show()
        mahesh.perform()
        Dim cass, cres, crep, casp, sr, pr, stock As Integer
        cass = Convert.ToSingle(txttcashsales.Text)
        cres = Convert.ToSingle(txtcreditsales.Text)
        crep = Convert.ToSingle(txtcreditpurchase.Text)
        casp = Convert.ToSingle(txtcashpurchase.Text)
        sr = Convert.ToSingle(txtsalesreturn.Text)
        pr = Convert.ToSingle(txtpurchasereturn.Text)
        stock = (casp + crep - pr) - (cass + cres - sr)
        txtstocks.Text = stock
        Try
            Dim Str As String
            Dim cmd As OleDbCommand
            Str = "insert Into yearlybook values('" &
txtyear.Text & "'," & txttcashsales.Text & "," &
txtcreditsales.Text & "," & txtcreditpurchase.Text & "," &
txtcashpurchase.Text & "," & txtsalesreturn.Text & "," &
txtpurchasereturn.Text & ",'" & txtstocks.Text & "')"
            cmd = New OleDb.OleDbCommand(Str, mahesh.cn)
            cmd.ExecuteNonQuery()
            MessageBox.Show("record saved", "mahesh accounting
system")
        Catch ex As Exception
            MessageBox.Show(ex.Message())
        End Try
    End Sub
```

```
    Private Sub make_report_Load(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles MyBase.Load

        SFY.Hide()
        Dim a As Single
        Dim strs As String
        Dim ds As New DataSet
        Dim da As New OleDb.OleDbDataAdapter
        strs = "select * from yearlybook"
        da = New OleDb.OleDbDataAdapter(strs, mahesh.cn)
        ds = New DataSet
        da.Fill(ds, "yearlybook")
        If ds.Tables(0).Rows.Count < 1 Then
            txtyear.Text = 2014
        Else
            a = ds.Tables(0).Rows(0)("year").ToString
            txtyear.Text = a + 1
        End If

    End Sub
End Class
```

See report form




```
Public Class see_reports

    Private Sub BTNSHOW_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles BTNSHOW.Click
        If txtyear.Text = "" And cmbselect.Text = "" Then
            MsgBox("please type year and select table",
MsgBoxStyle.Exclamation, "mahesh accounting system")
        ElseIf txtyear.Text = "" Then
            MsgBox("please type the year you want to see report
of", MsgBoxStyle.Exclamation, " mahesh accounting system")
'validation of the textboxes '
        ElseIf cmbselect.Text = "" Then

            MsgBox("please select the table you want to see
report of", MsgBoxStyle.Exclamation, "mahesh accounting system")
        Else

            btnupdate.Enabled = True
            BTNSHOW.Enabled = False
            Dim strs As String
            Dim ds As New DataSet
            Dim da As New OleDb.OleDbDataAdapter
            If cmbselect.Text = "creditsales" Then
```

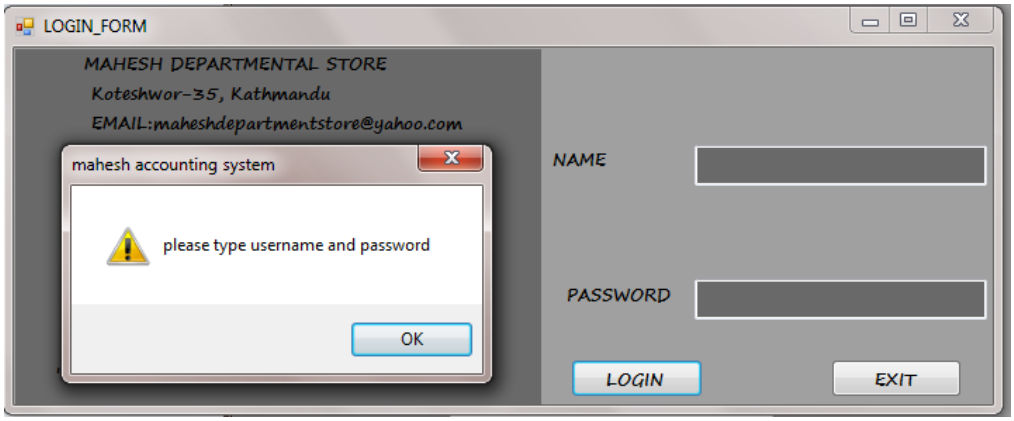
```
                strs = "select * from creditsales where year='"
& txtyear.Text & "'" 'if creditsales is chosen from cmbselect
                da = New OleDb.OleDbDataAdapter(strs, mahesh.cn)
                ds = New DataSet
                da.Fill(ds, "creditsales")
            ElseIf cmbselect.Text = "cashsales" Then
                strs = "select * from cashsales where year='" &
txtyear.Text & "'"
                da = New OleDb.OleDbDataAdapter(strs, mahesh.cn)
                ds = New DataSet
                da.Fill(ds, "cashsales")
            ElseIf cmbselect.Text = "salesreturn" Then
                strs = "select * from salesreturn where year='"
& txtyear.Text & "'"
                da = New OleDb.OleDbDataAdapter(strs, mahesh.cn)
                ds = New DataSet
                da.Fill(ds, "salesreturn")

            ElseIf cmbselect.Text = "cashpurchase" Then
                strs = "select * from cashpurchase where year='"
& txtyear.Text & "'"
                da = New OleDb.OleDbDataAdapter(strs, mahesh.cn)
                ds = New DataSet
                da.Fill(ds, "cashpurchase")
            ElseIf cmbselect.Text = "creditpurchase" Then
                strs = "select * from creditpurchase where
year='" & txtyear.Text & "'"
                da = New OleDb.OleDbDataAdapter(strs, mahesh.cn)
                ds = New DataSet
                da.Fill(ds, "creditpurchase")
            ElseIf cmbselect.Text = "purchasereturn" Then
                strs = "select * from purchasereturn where
year='" & txtyear.Text & "'"
                da = New OleDb.OleDbDataAdapter(strs, mahesh.cn)
                ds = New DataSet
                da.Fill(ds, "purchasereturn")
            ElseIf cmbselect.Text = "wage" Then
                strs = "select * from wage where year='" &
txtyear.Text & "'"
                da = New OleDb.OleDbDataAdapter(strs, mahesh.cn)
                ds = New DataSet
                da.Fill(ds, "wage")
            ElseIf cmbselect.Text = "rent" Then
                strs = "select * from rent where year='" &
txtyear.Text & "'"
                da = New OleDb.OleDbDataAdapter(strs, mahesh.cn)
                ds = New DataSet
```

```
                da.Fill(ds, "rent")
            ElseIf cmbselect.Text = "electricity" Then
                strs = "select * from electricity where year='"
& txtyear.Text & "'"
                da = New OleDb.OleDbDataAdapter(strs, mahesh.cn)
                ds = New DataSet
                da.Fill(ds, "electricity")
            ElseIf cmbselect.Text = "yearlybook" Then
                strs = "select * from yearlybook where year='" &
txtyear.Text & "'"
                da = New OleDb.OleDbDataAdapter(strs, mahesh.cn)
                ds = New DataSet
                da.Fill(ds, "yearlybook")
            End If

            SHOWDATA.DataSource = ds.Tables(0)
            SHOWDATA.ReadOnly = True
        End If
    End Sub

    Private Sub btnexit_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnexit.Click
        Me.Close()
        main_form.Show()

    End Sub

    Private Sub btnupdate_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnupdate.Click
        Me.Close()
        updateform.Show()

    End Sub

    Private Sub see_reports_Load(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles MyBase.Load


    End Sub

    Private Sub btnnext_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnnext.Click
        BTNSHOW.Enabled = True

    End Sub
End Class
```

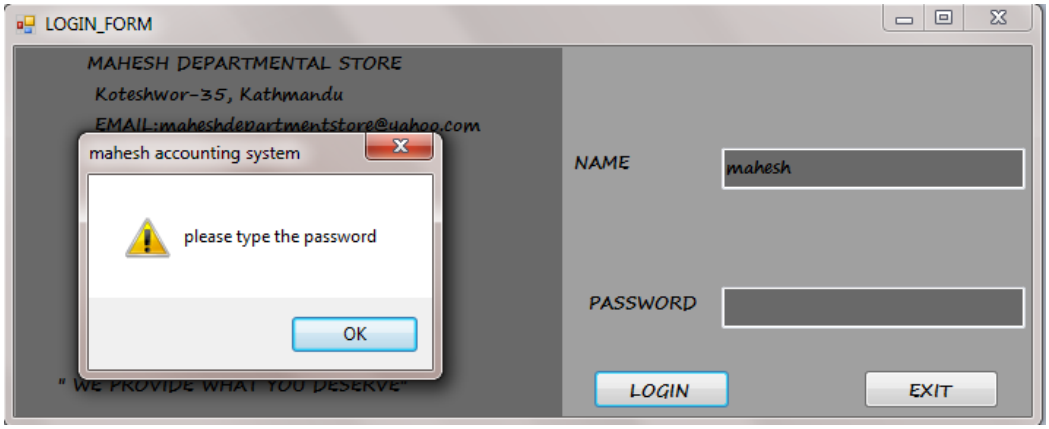
Testing

Login form

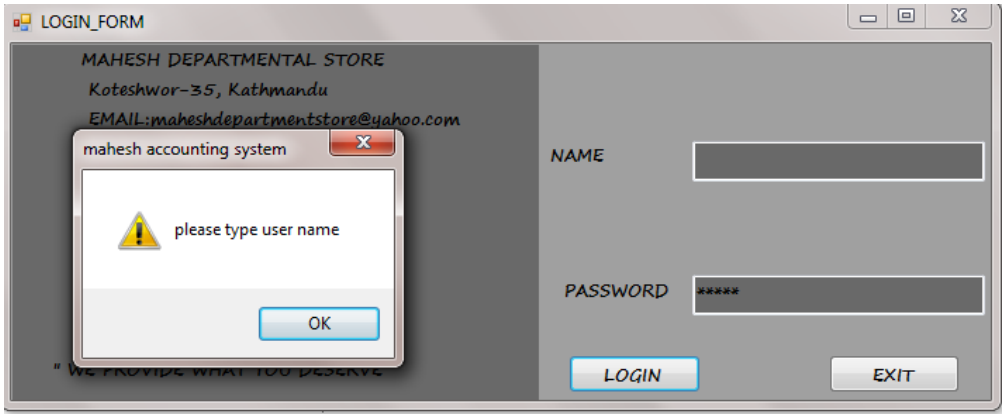
Test 1



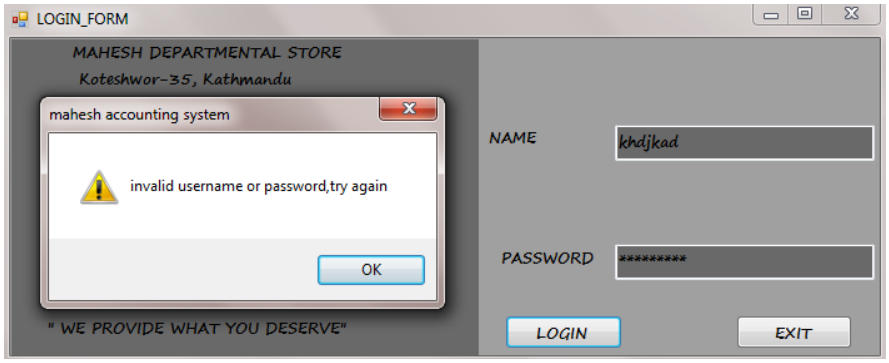
Test 2



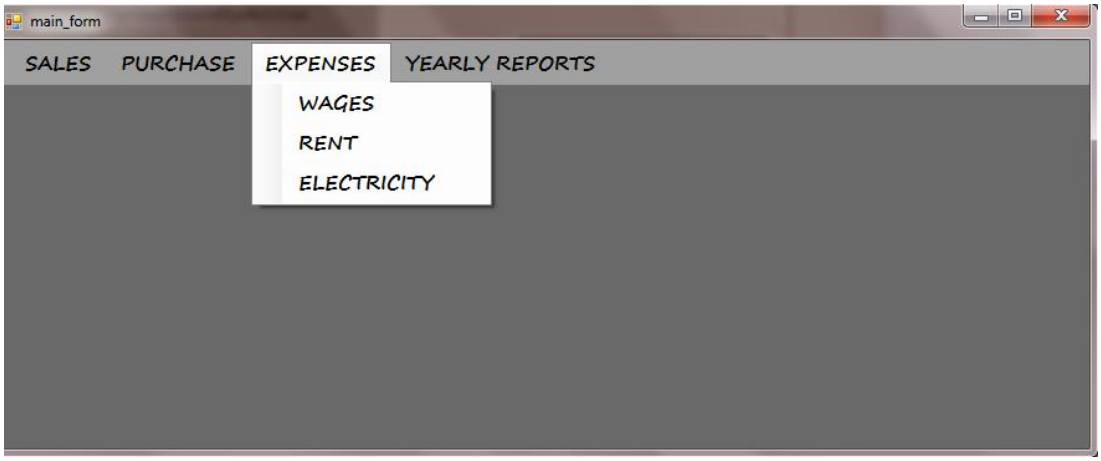
Test 3



Test 4

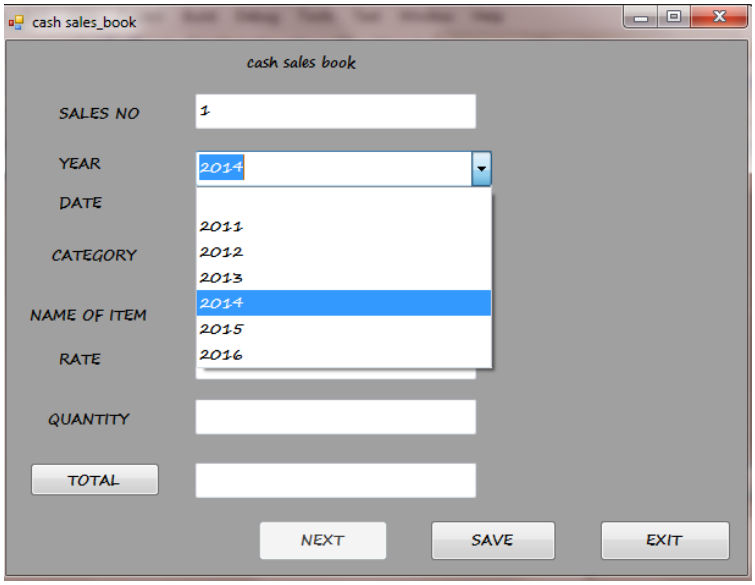


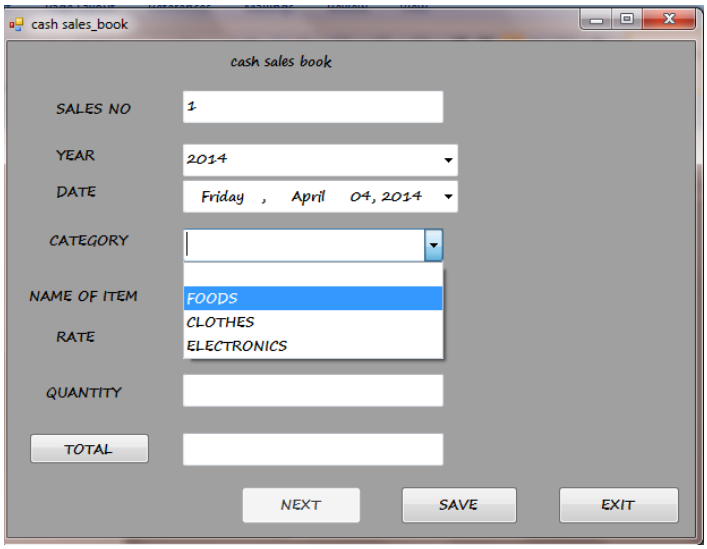
Main form

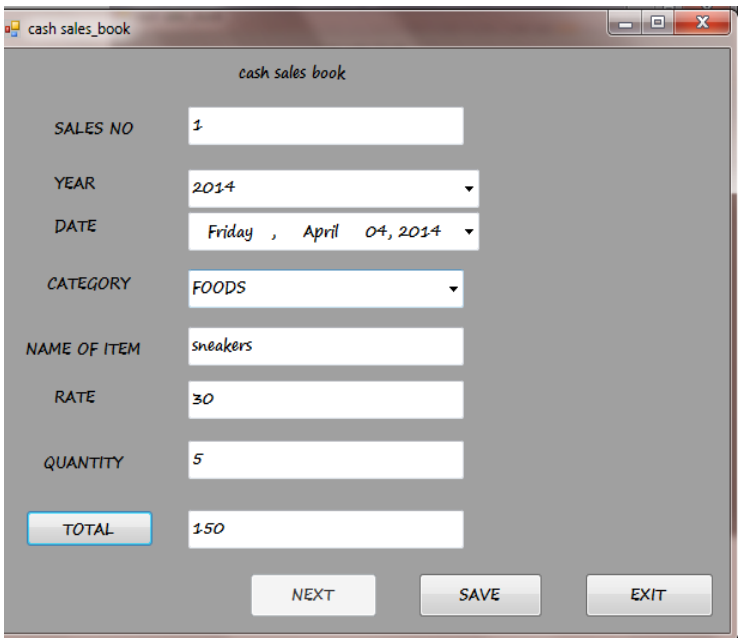

main_form
SALES
PURCHASE
EXPENSES
YEARLY REPORTS
WAGES
RENT
ELECTRICITY

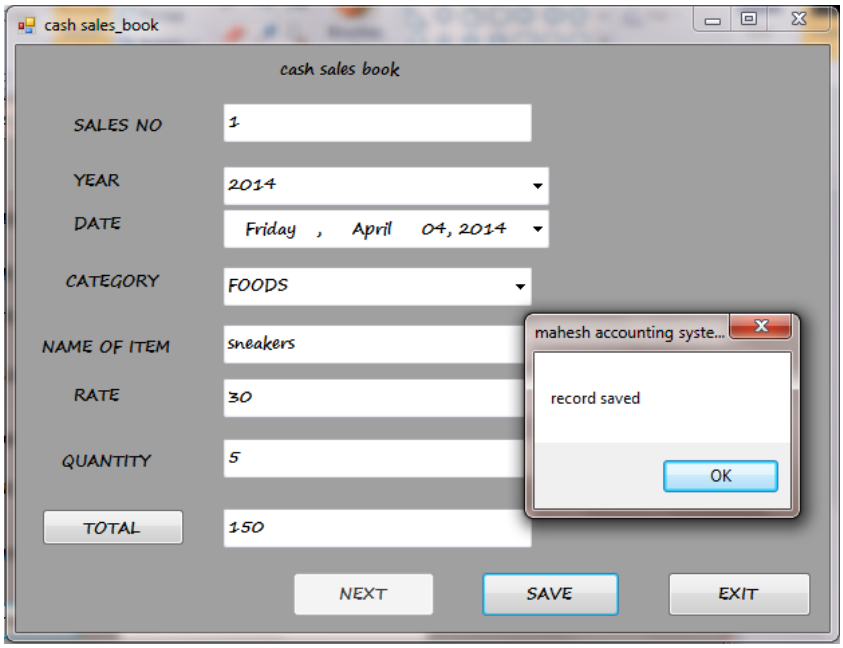

main_form
SALES
PURCHASE
EXPENSES
YEARLY REPORTS
make report
see report

Cash sales

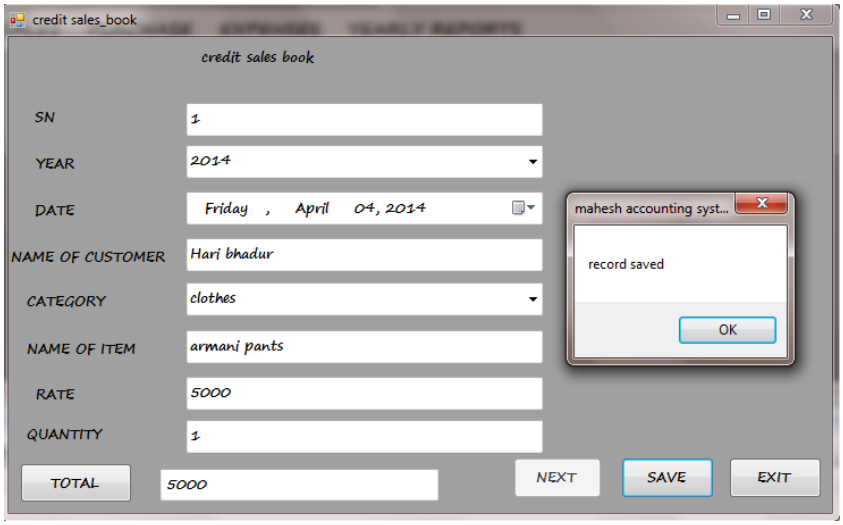

cash sales_book
cash sales book
SALES NO
1
YEAR
2014
DATE
CATEGORY
NAME OF ITEM
RATE
QUANTITY
TOTAL
2011
2012
2013
2014
2015
2016
NEXT
SAVE
EXIT


cash sales_book
cash sales book
SALES NO
1
YEAR
2014
DATE
Friday , April 04, 2014
CATEGORY
NAME OF ITEM
RATE
QUANTITY
TOTAL
FOODS
CLOTHES
ELECTRONICS
NEXT
SAVE
EXIT

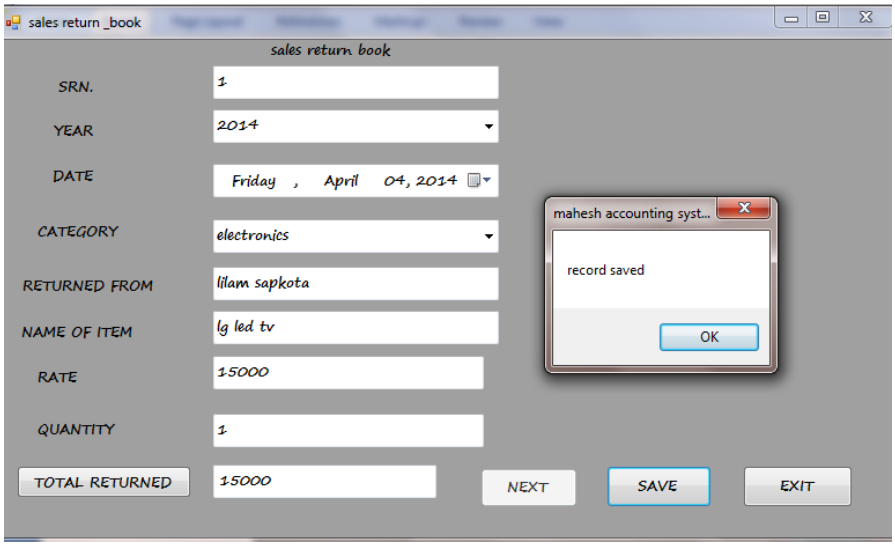

cash sales_book
cash sales book
SALES NO
1
YEAR
2014
DATE
Friday , April 04, 2014
CATEGORY
FOODS
NAME OF ITEM
sneakers
RATE
30
QUANTITY
5
TOTAL
150
NEXT
SAVE
EXIT


cash sales_book
cash sales book
SALES NO
1
YEAR
2014
DATE
Friday , April 04, 2014
CATEGORY
FOODS
NAME OF ITEM
sneakers
RATE
30
QUANTITY
5
TOTAL
150
NEXT
SAVE
EXIT
mahesh accounting syste...
record saved
OK

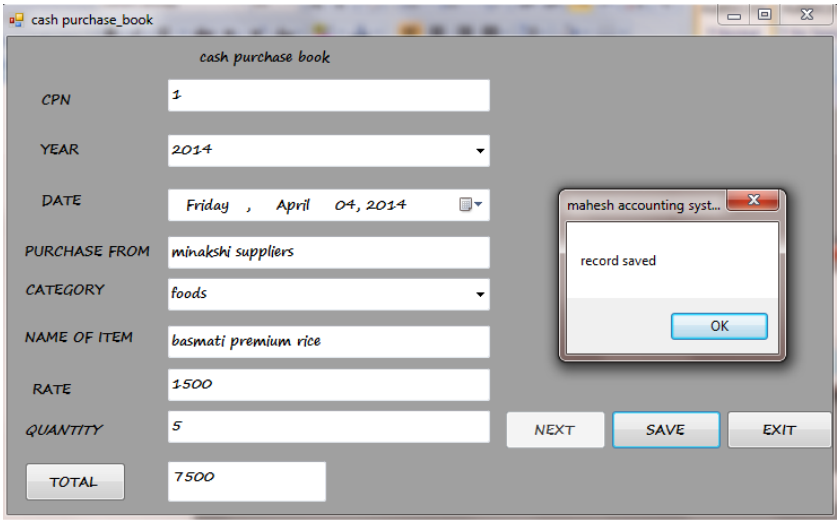
Credit sales



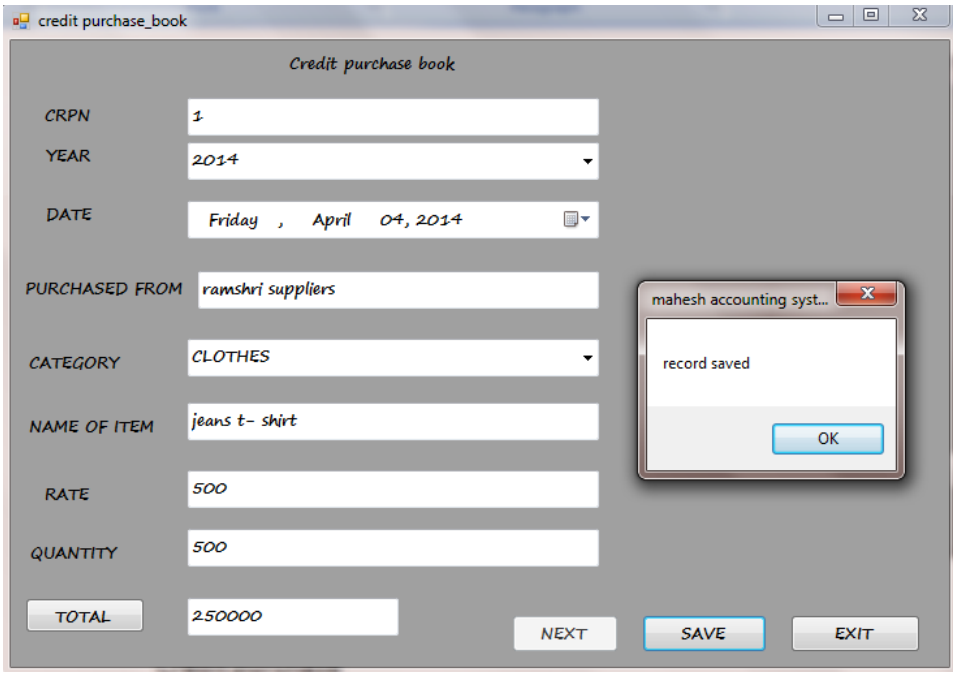
Sales return



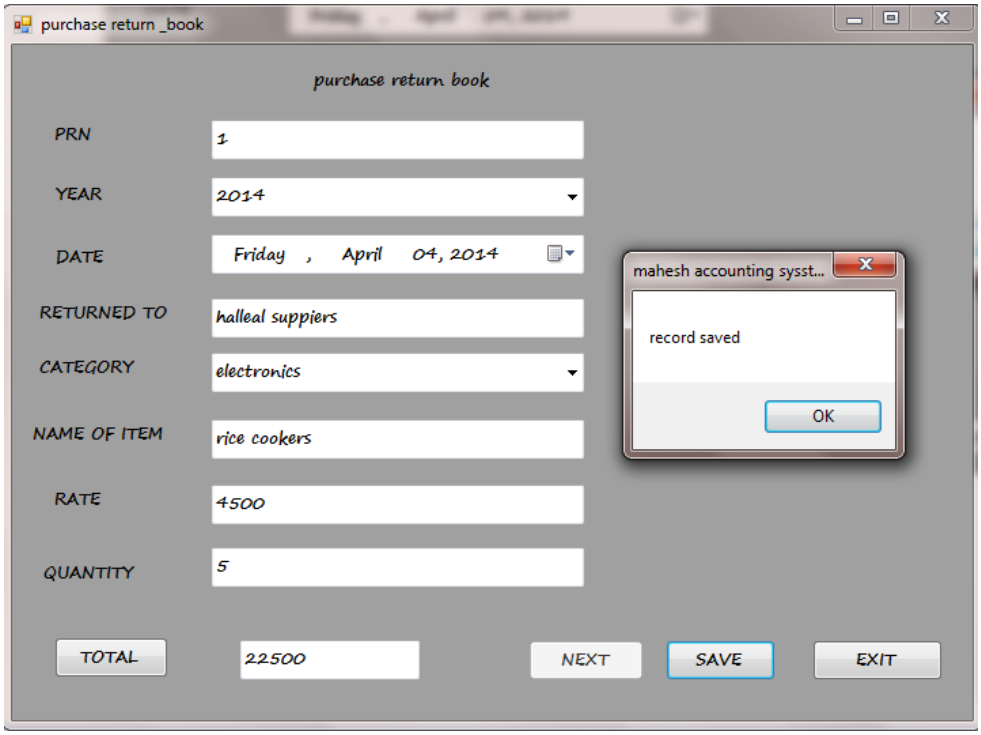
Cash purchase



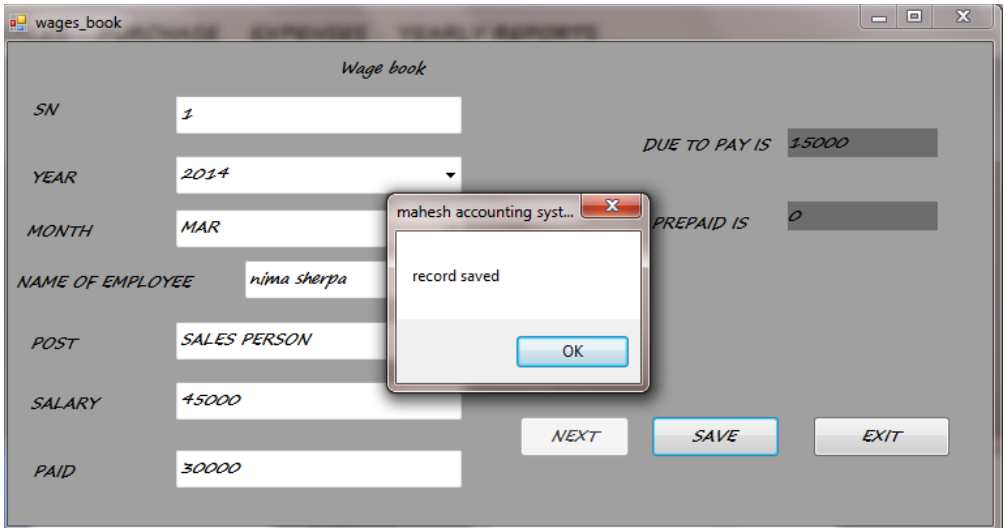
Credit purchase



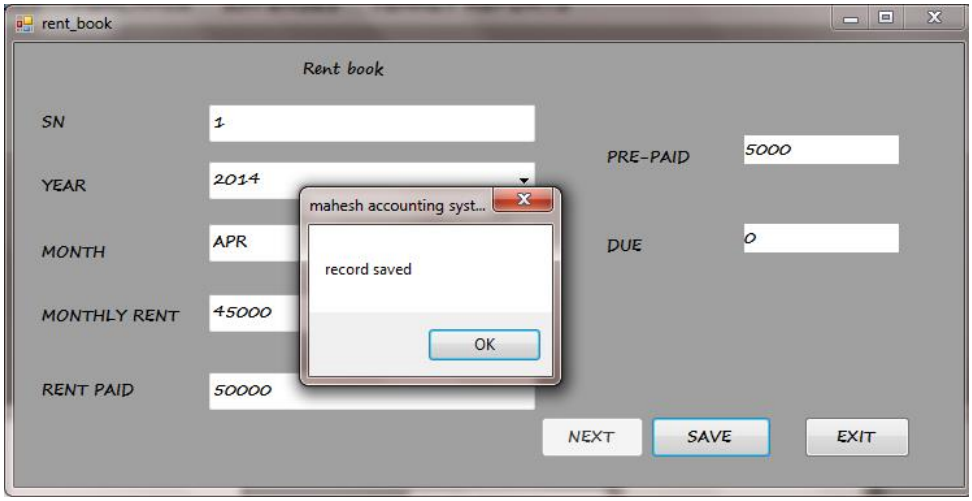
Purchase return



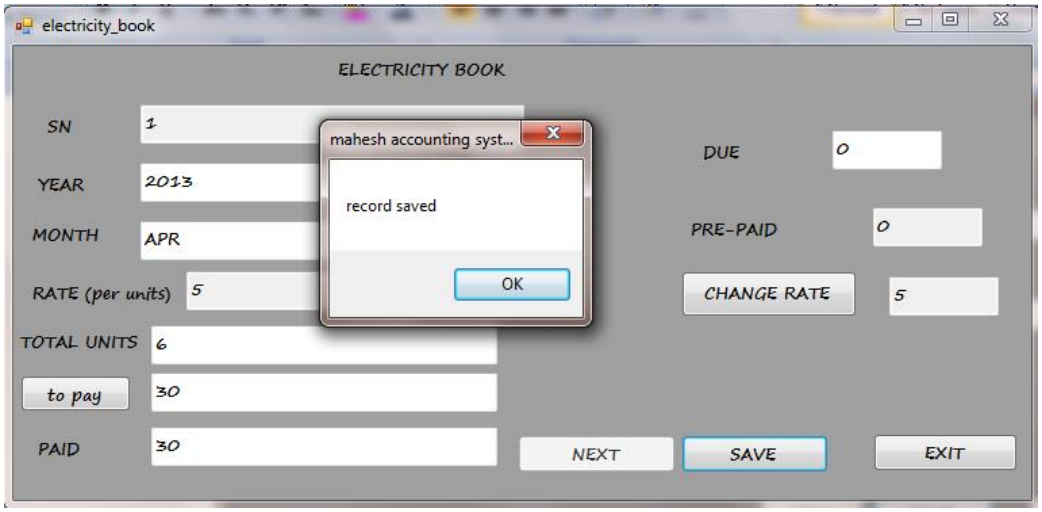
Wage



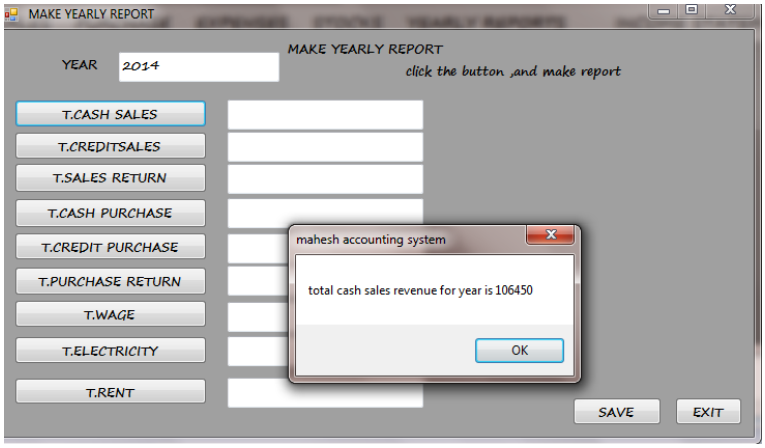
Rent

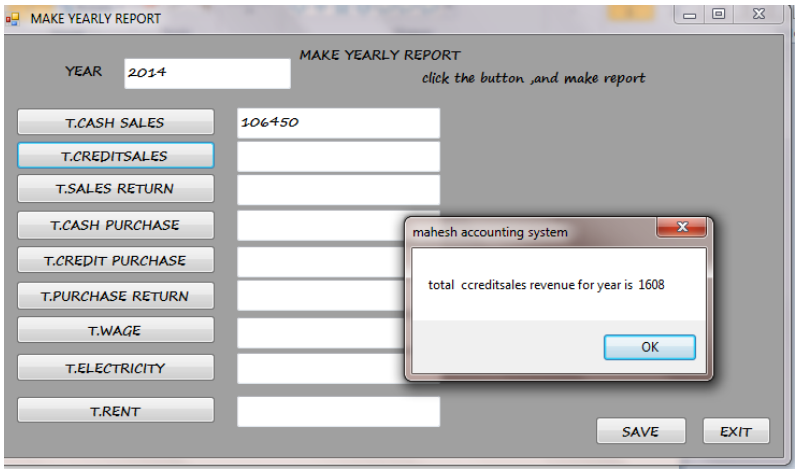


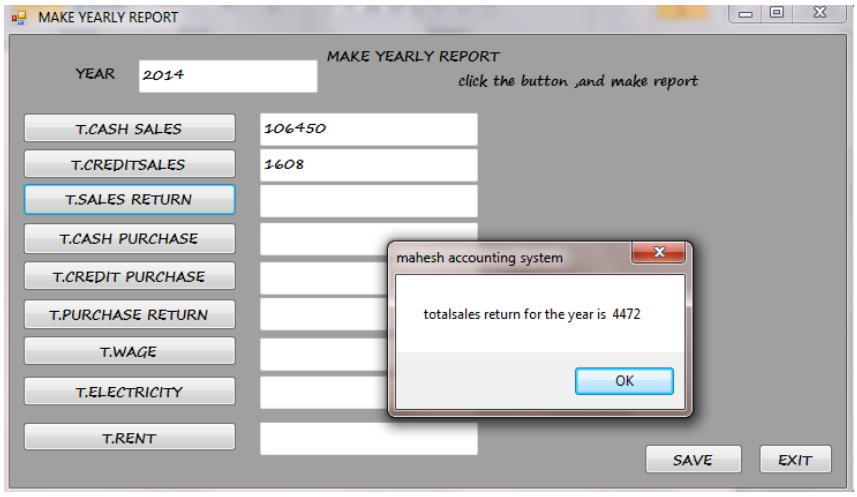
Electricity

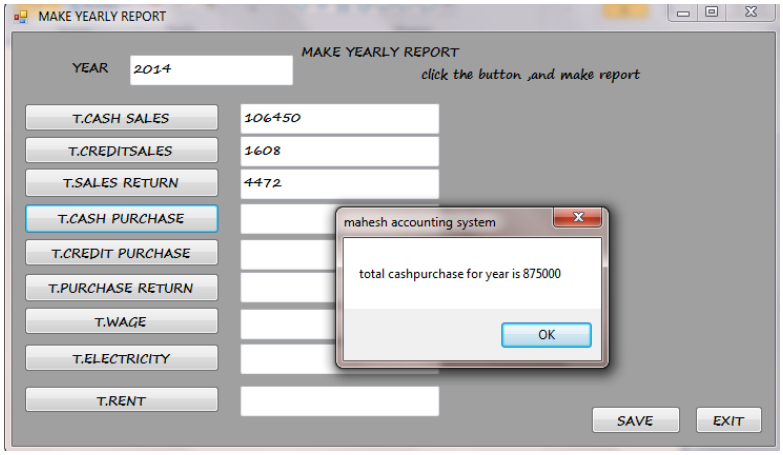


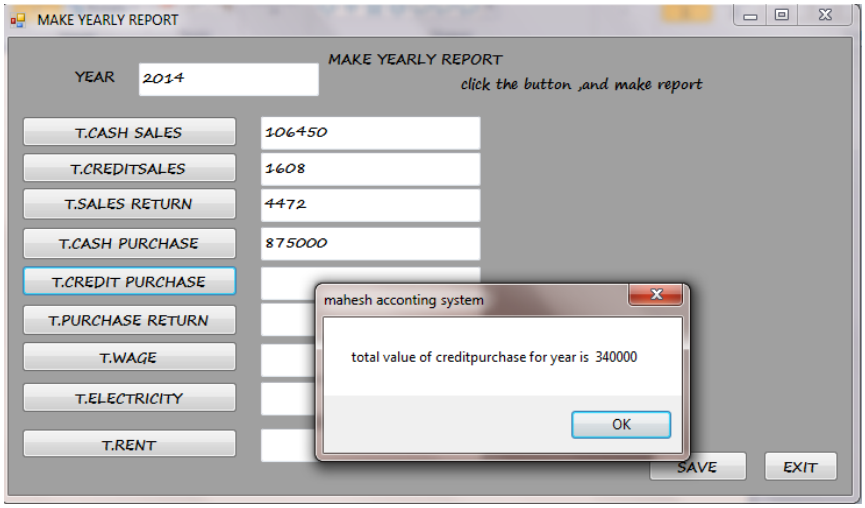
Make report

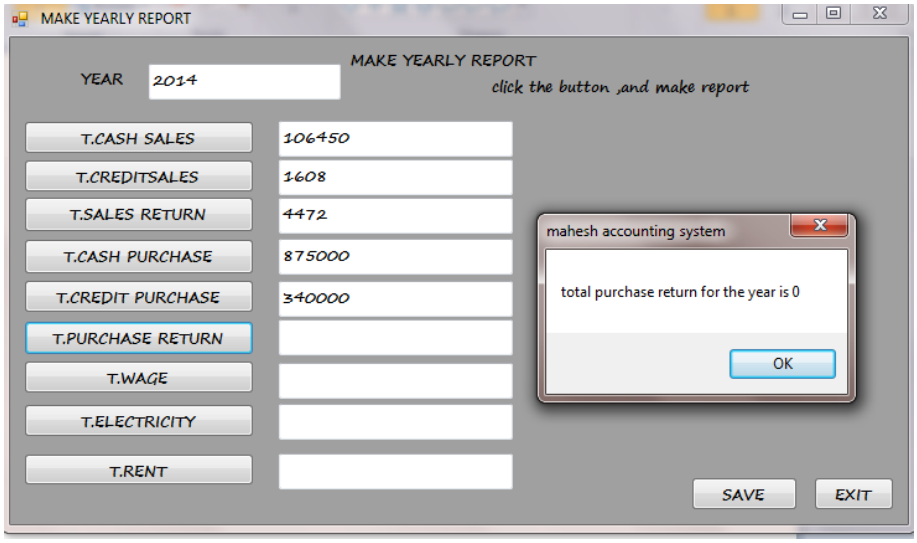

MAKE YEARLY REPORT
YEAR
2014
MAKE YEARLY REPORT
click the button ,and make report
T.CASH SALES
T.CREDITSALES
T.SALES RETURN
T.CASH PURCHASE
T.CREDIT PURCHASE
T.PURCHASE RETURN
T.WAGE
T.ELECTRICITY
T.RENT
SAVE
EXIT
mahesh accounting system
total cash sales revenue for year is 106450
OK

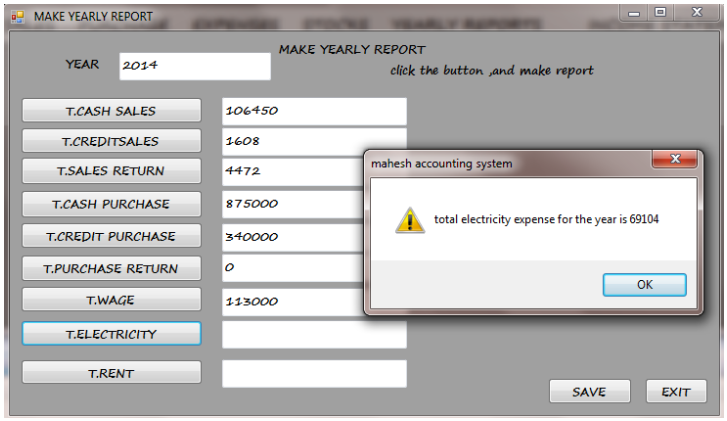

MAKE YEARLY REPORT
YEAR
2014
MAKE YEARLY REPORT
click the button ,and make report
T.CASH SALES
106450
T.CREDITSALES
T.SALES RETURN
T.CASH PURCHASE
T.CREDIT PURCHASE
T.PURCHASE RETURN
T.WAGE
T.ELECTRICITY
T.RENT
SAVE
EXIT
mahesh accounting system
total ccreditsales revenue for year is 1608
OK

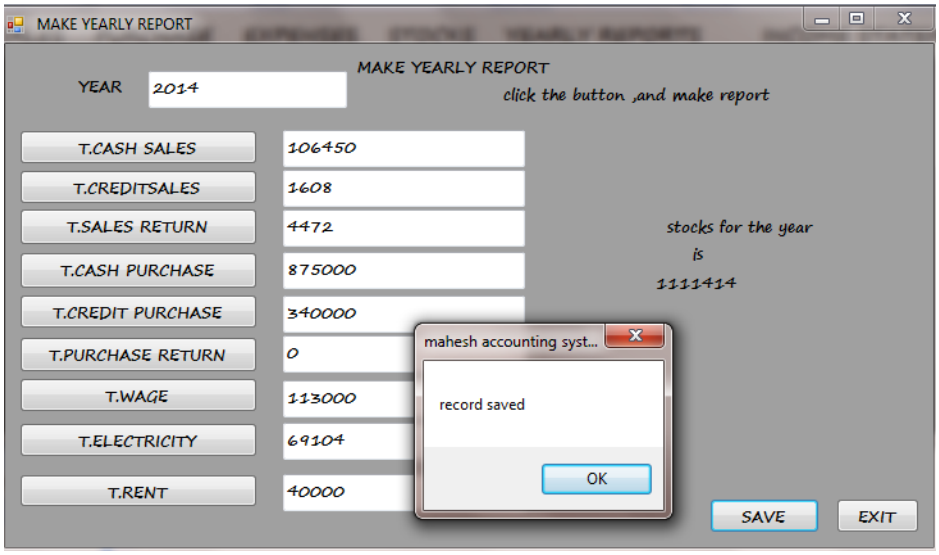

MAKE YEARLY REPORT
YEAR
2014
MAKE YEARLY REPORT
click the button ,and make report
T.CASH SALES
106450
T.CREDITSALES
1608
T.SALES RETURN
T.CASH PURCHASE
T.CREDIT PURCHASE
T.PURCHASE RETURN
T.WAGE
T.ELECTRICITY
T.RENT
SAVE
EXIT
mahesh accounting system
totalsales return for the year is 4472
OK


MAKE YEARLY REPORT
YEAR
2014
MAKE YEARLY REPORT
click the button ,and make report
T.CASH SALES
106450
T.CREDITSALES
1608
T.SALES RETURN
4472
T.CASH PURCHASE
T.CREDIT PURCHASE
T.PURCHASE RETURN
T.WAGE
T.ELECTRICITY
T.RENT
SAVE
EXIT
mahesh accounting system
total cashpurchase for year is 875000
OK

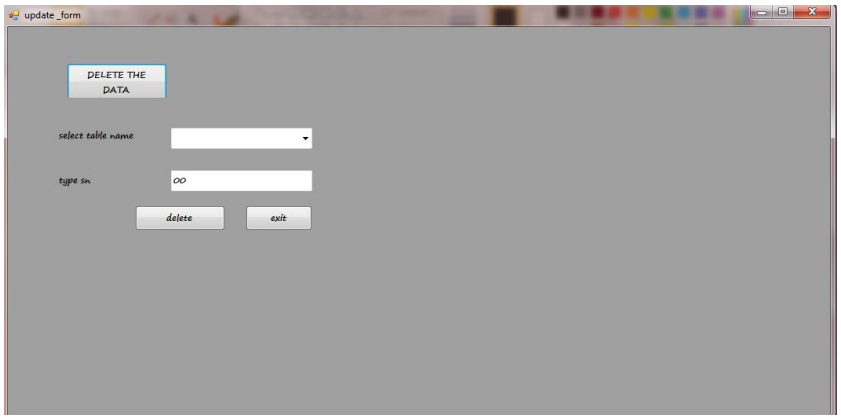

MAKE YEARLY REPORT
YEAR
2014
MAKE YEARLY REPORT
click the button ,and make report
T.CASH SALES
106450
T.CREDITSALES
1608
T.SALES RETURN
4472
T.CASH PURCHASE
875000
T.CREDIT PURCHASE
T.PURCHASE RETURN
T.WAGE
T.ELECTRICITY
T.RENT
SAVE
EXIT
mahesh acconting system
total value of creditpurchase for year is 340000
OK

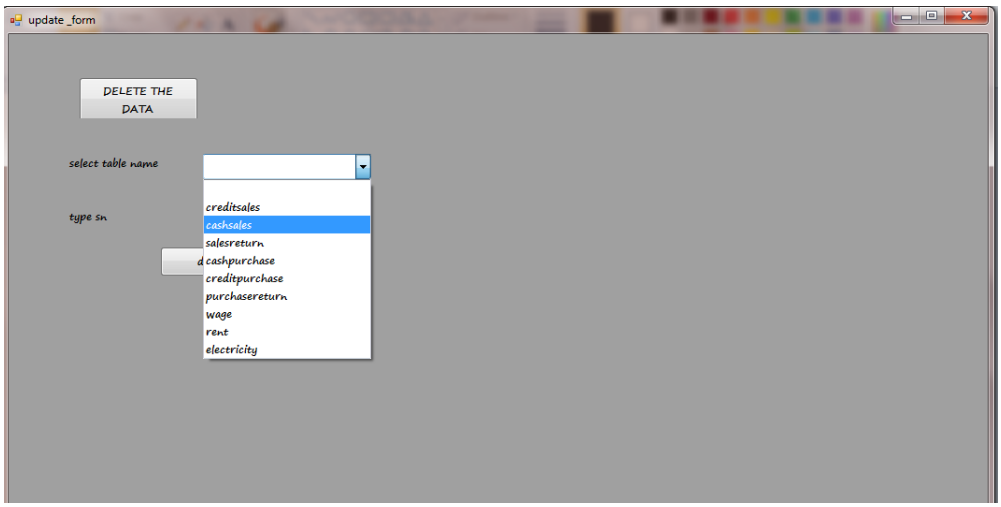

MAKE YEARLY REPORT
YEAR
2014
MAKE YEARLY REPORT
click the button ,and make report
T.CASH SALES
106450
T.CREDITSALES
1608
T.SALES RETURN
4472
T.CASH PURCHASE
875000
T.CREDIT PURCHASE
340000
T.PURCHASE RETURN
T.WAGE
T.ELECTRICITY
T.RENT
SAVE
EXIT
mahesh accounting system
total purchase return for the year is 0
OK

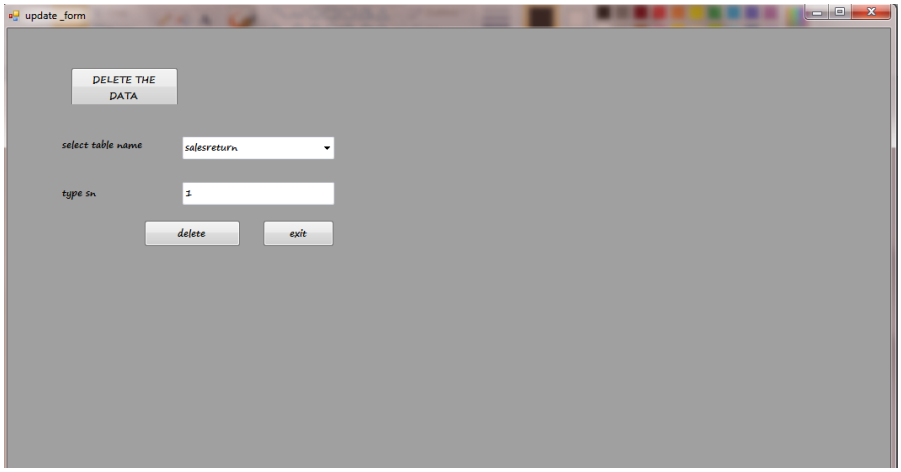

MAKE YEARLY REPORT
YEAR
2014
MAKE YEARLY REPORT
click the button ,and make report
T.CASH SALES
106450
T.CREDITSALES
1608
T.SALES RETURN
4472
T.CASH PURCHASE
875000
T.CREDIT PURCHASE
340000
T.PURCHASE RETURN
0
T.WAGE
113000
T.ELECTRICITY
T.RENT
SAVE
EXIT
mahesh accounting system
total electricity expense for the year is 69104
OK

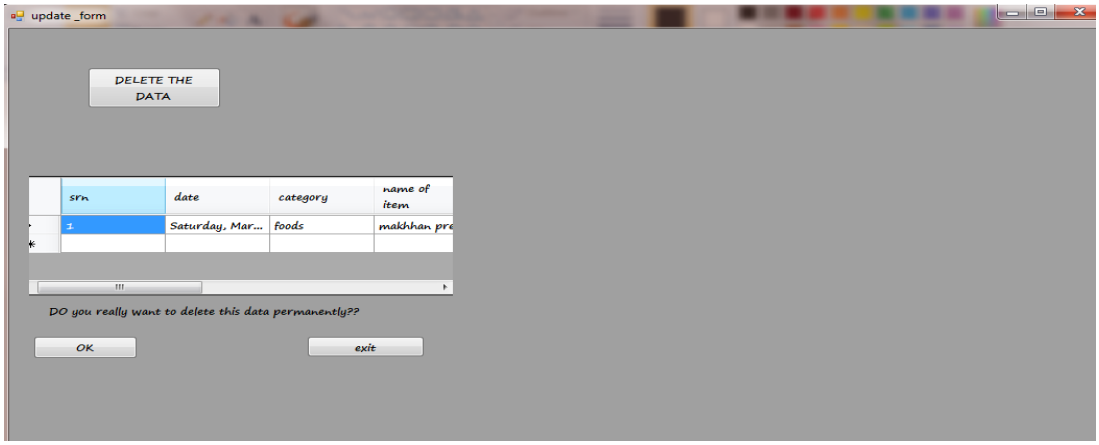


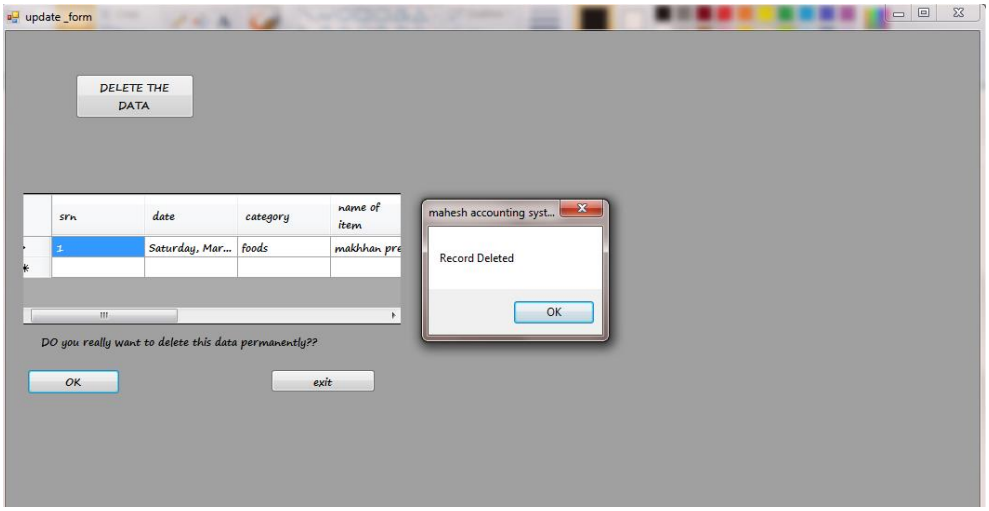
Delete the record



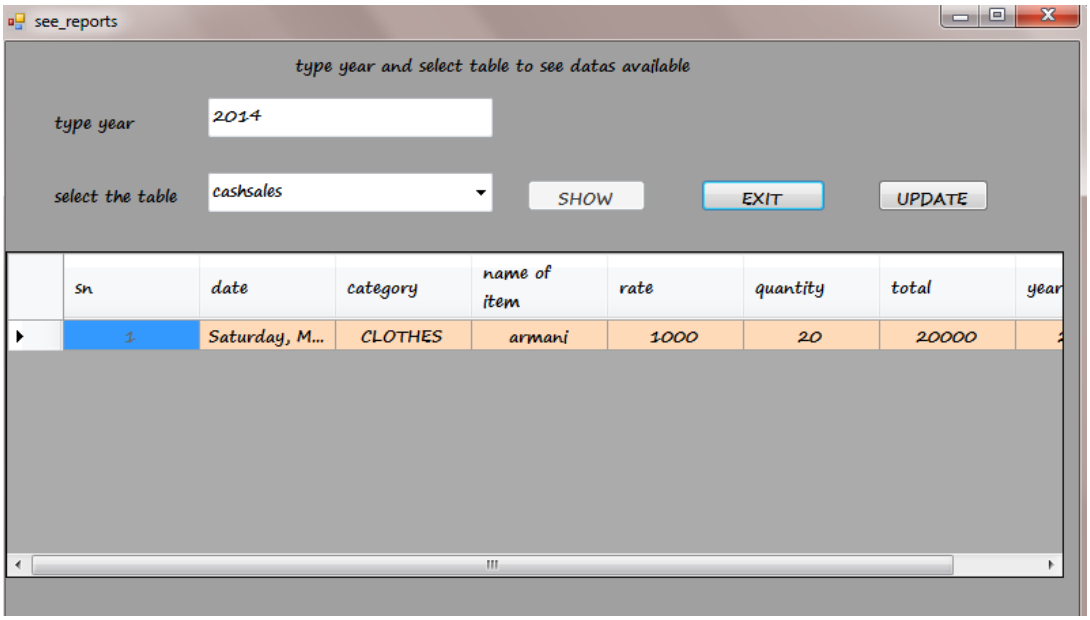



update _form
DELETE THE DATA
select table name
salesreturn
type sn
1
delete
exit

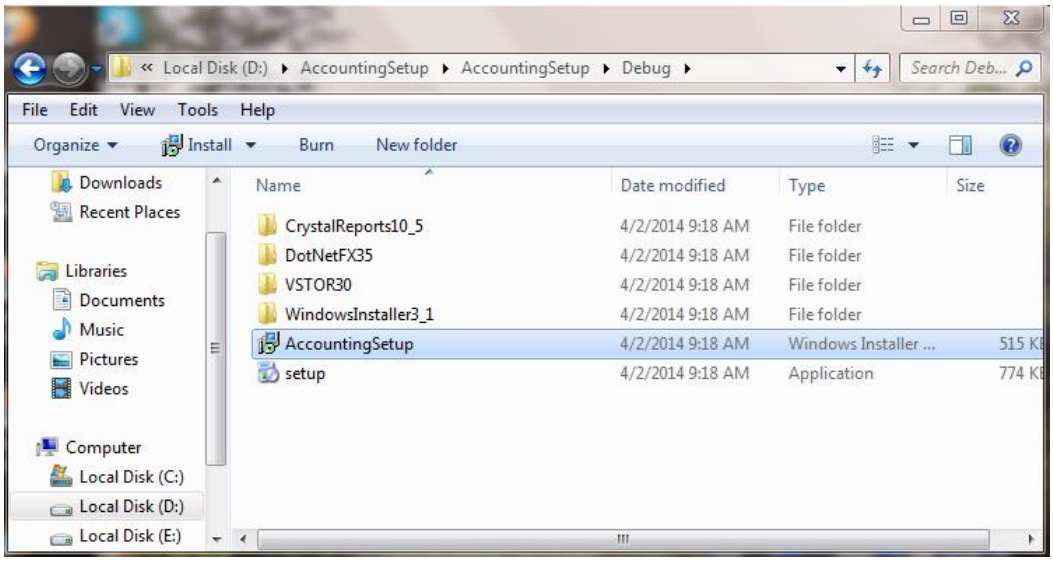

update _form
DELETE THE DATA
srn
date
category
name of item
1
Saturday, Mar...
foods
makhhan pre
DO you really want to delete this data permanently??
OK
exit

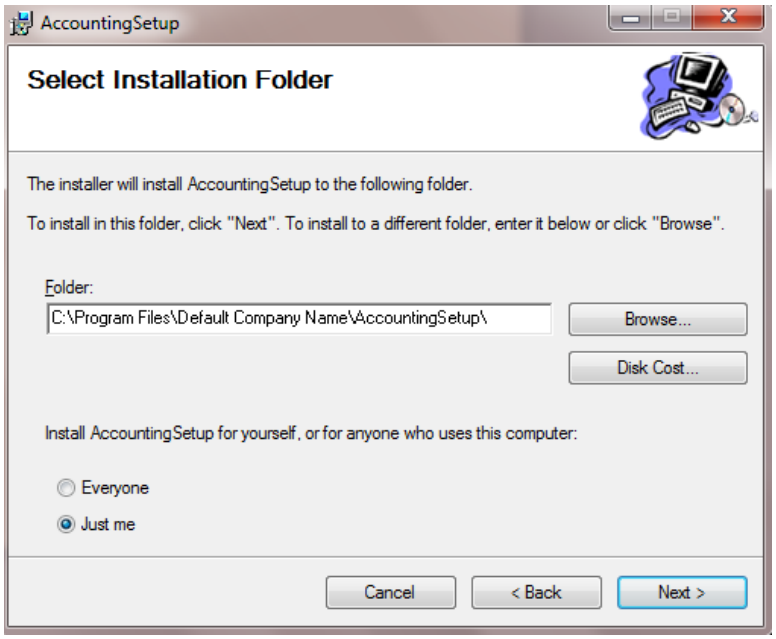

update_form
DELETE THE DATA
srn
date
category
name of item
1
Saturday, Mar...
foods
mahesh accounting syst...
Record Deleted
OK
DO you really want to delete this data permanently??
OK
exit

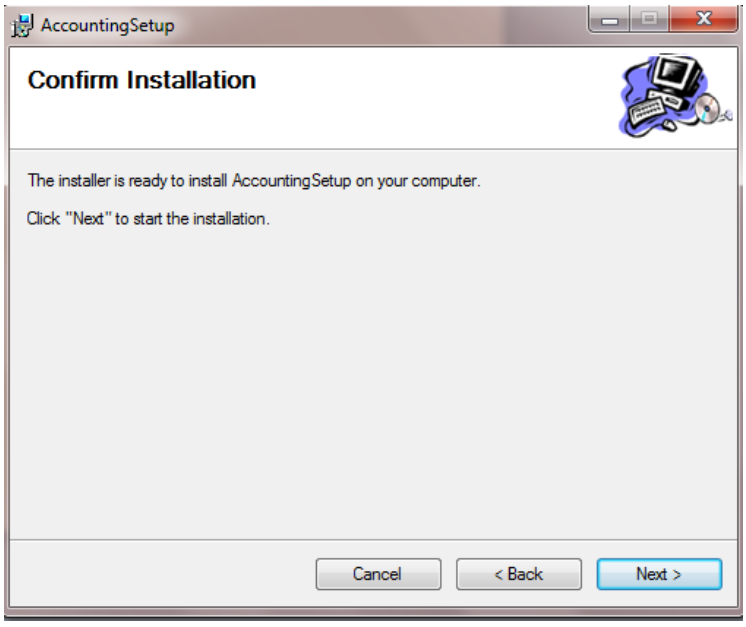
See report

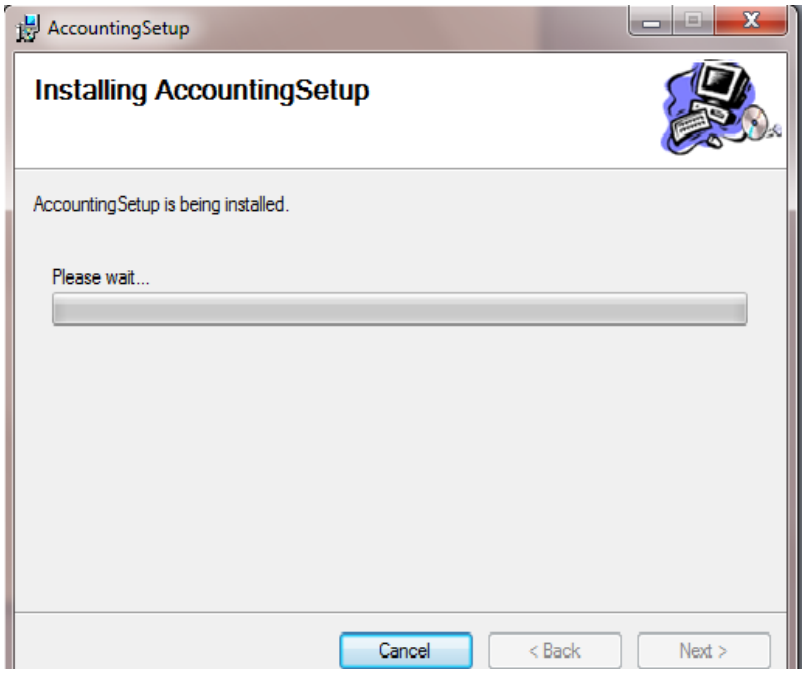

see_reports
type year and select table to see datas available
type year
2014
select the table
cashsales
SHOW
EXIT
UPDATE
sn
date
category
name of item
rate
quantity
total
year
1
Saturday, M...
CLOTHES
armani
1000
20
20000

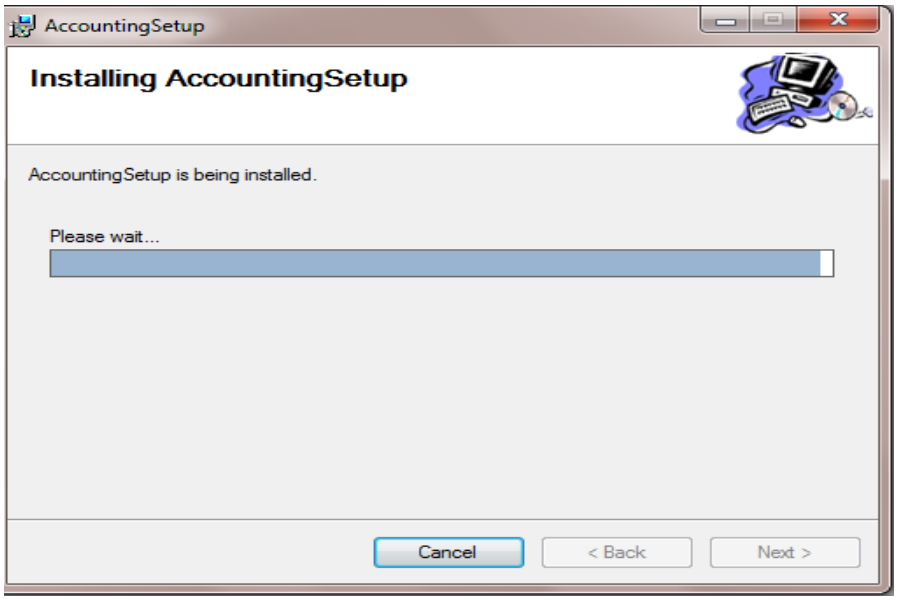
Installation

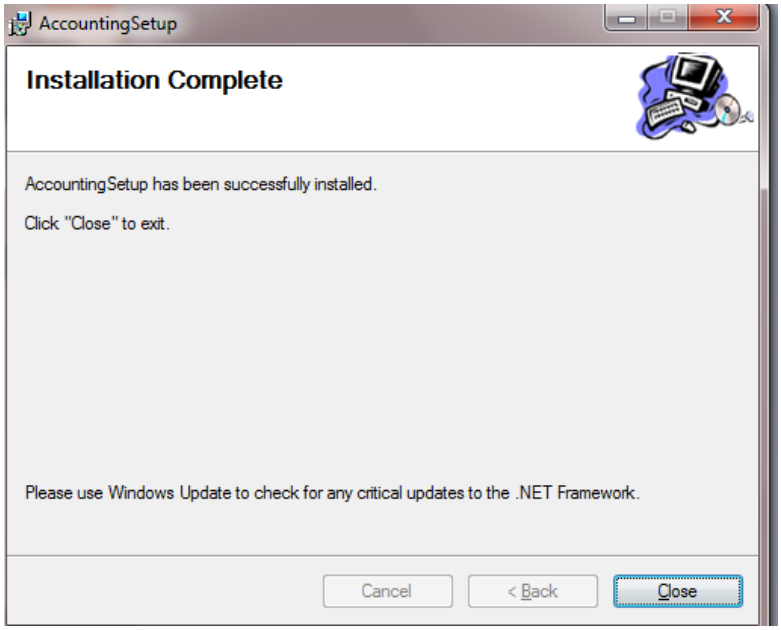


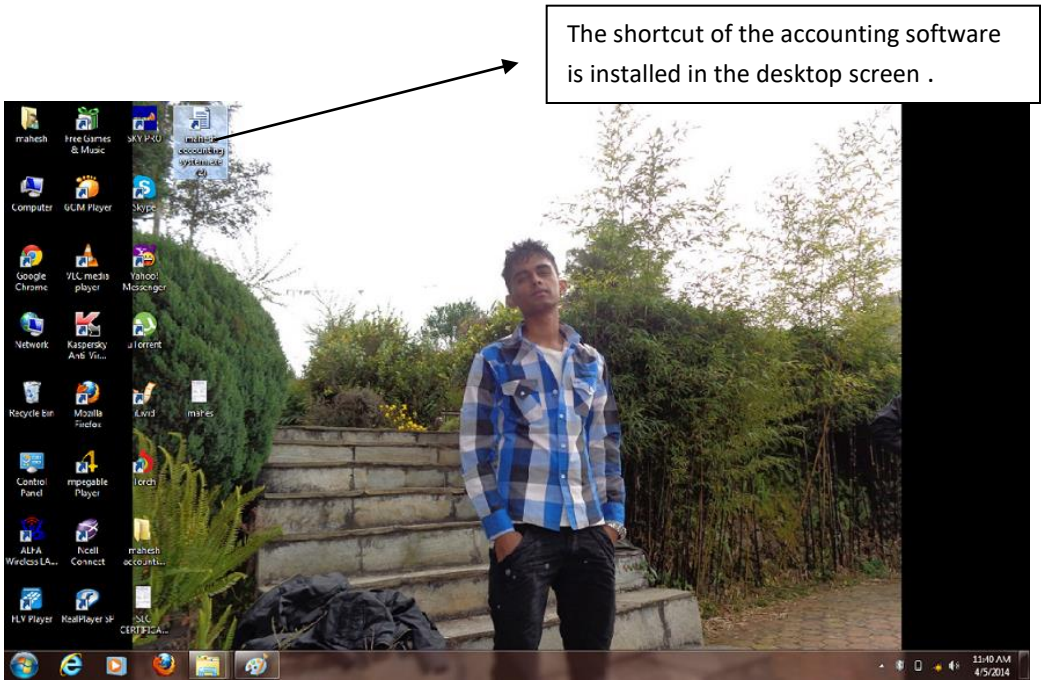

AccountingSetup
Select Installation Folder
The installer will install AccountingSetup to the following folder.
To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".
Folder:
C:\Program Files\Default Company Name\AccountingSetup\
Browse...
Disk Cost...
Install AccountingSetup for yourself, or for anyone who uses this computer:
Everyone
Just me
Cancel
< Back
Next >


AccountingSetup
Confirm Installation
The installer is ready to install AccountingSetup on your computer.
Click "Next" to start the installation.
Cancel
< Back
Next >


AccountingSetup
Installing AccountingSetup
AccountingSetup is being installed.
Please wait...
Cancel
< Back
Next >


AccountingSetup
Installing AccountingSetup
AccountingSetup is being installed.
Please wait...
Cancel
< Back
Next >


AccountingSetup
Installation Complete
AccountingSetup has been successfully installed.
Click "Close" to exit.
Please use Windows Update to check for any critical updates to the .NET Framework.
Cancel
< Back
Close

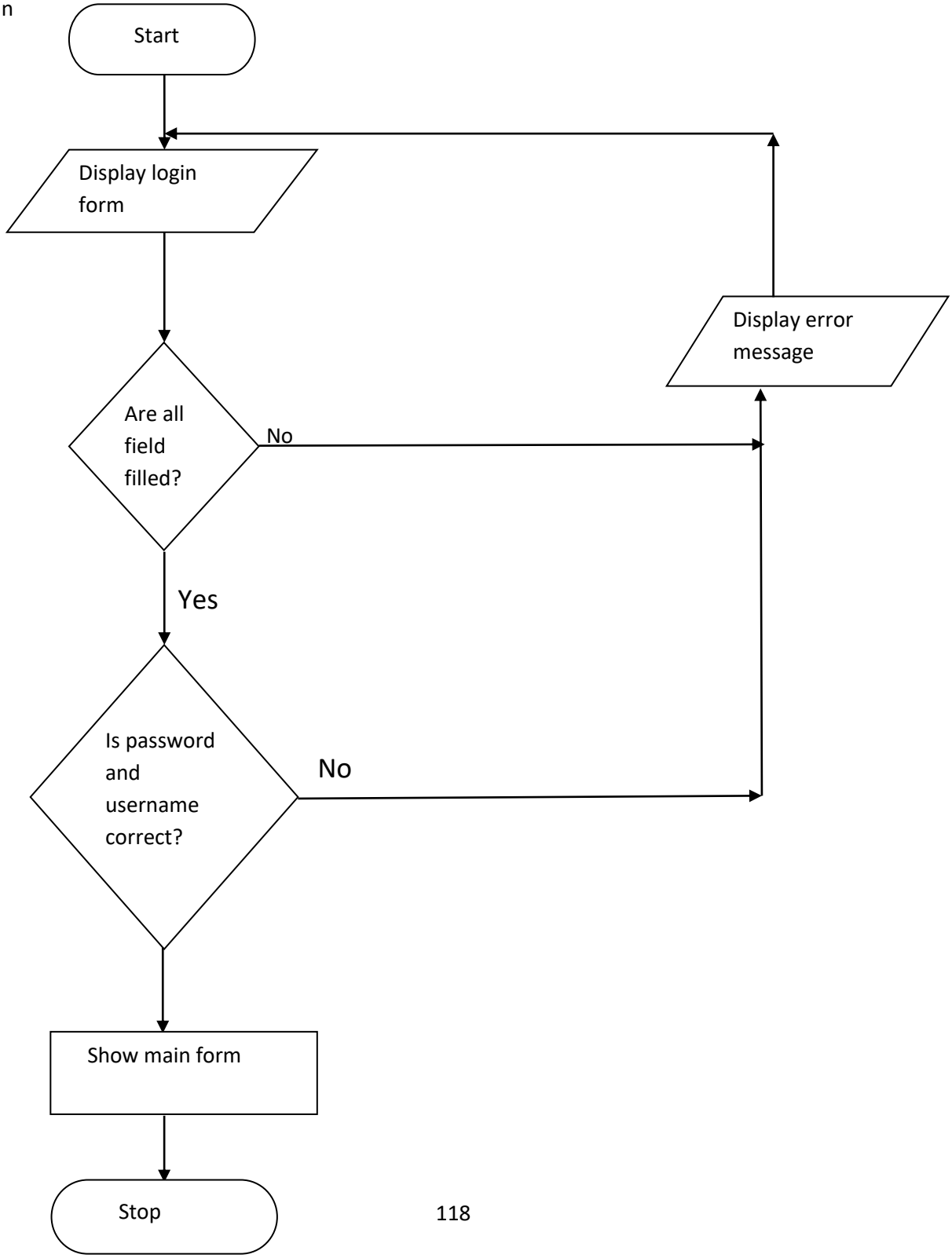

The shortcut of the accounting software is installed in the desktop screen .

Documentation

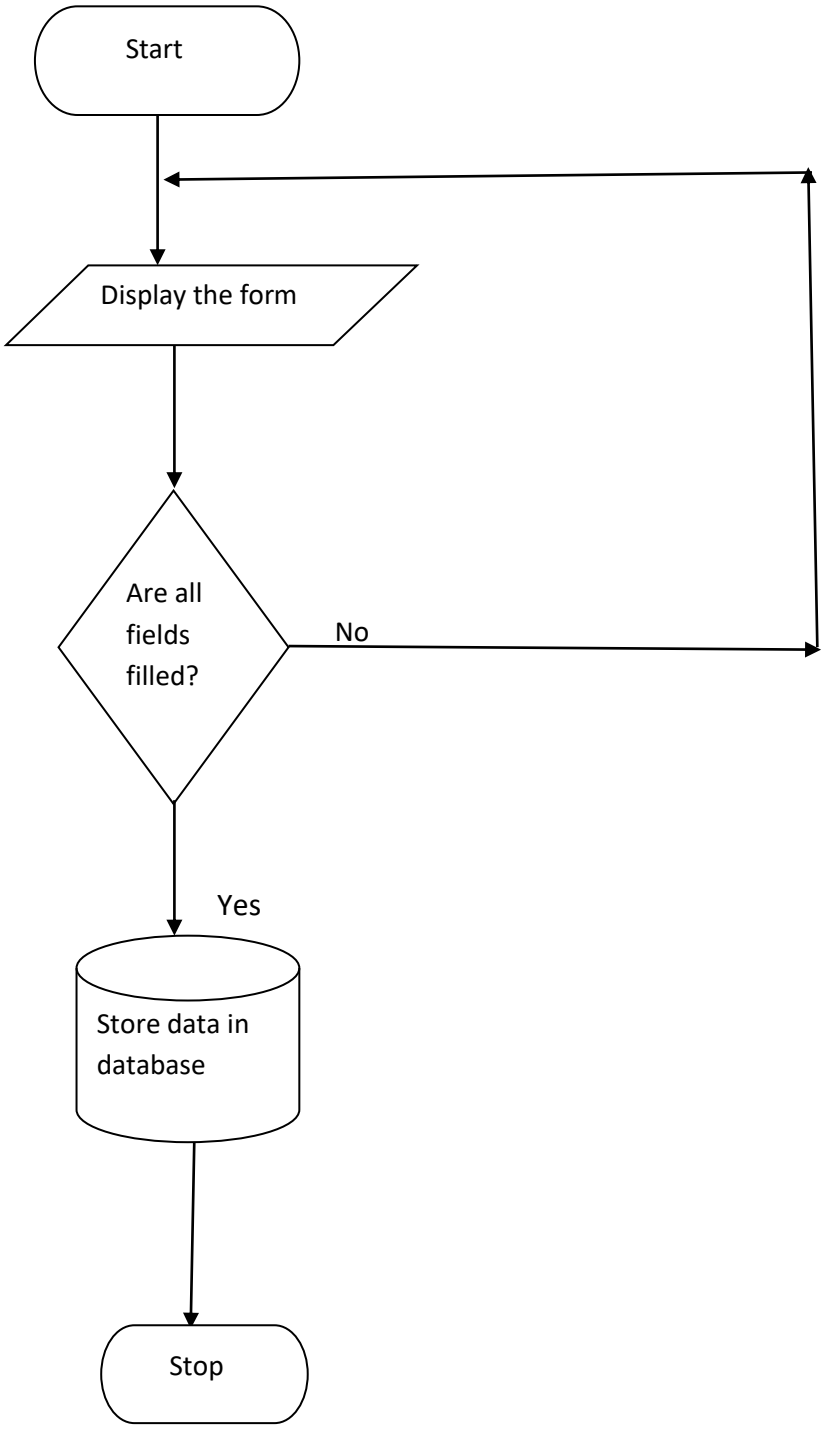
System maintenance documentation

Flowchart

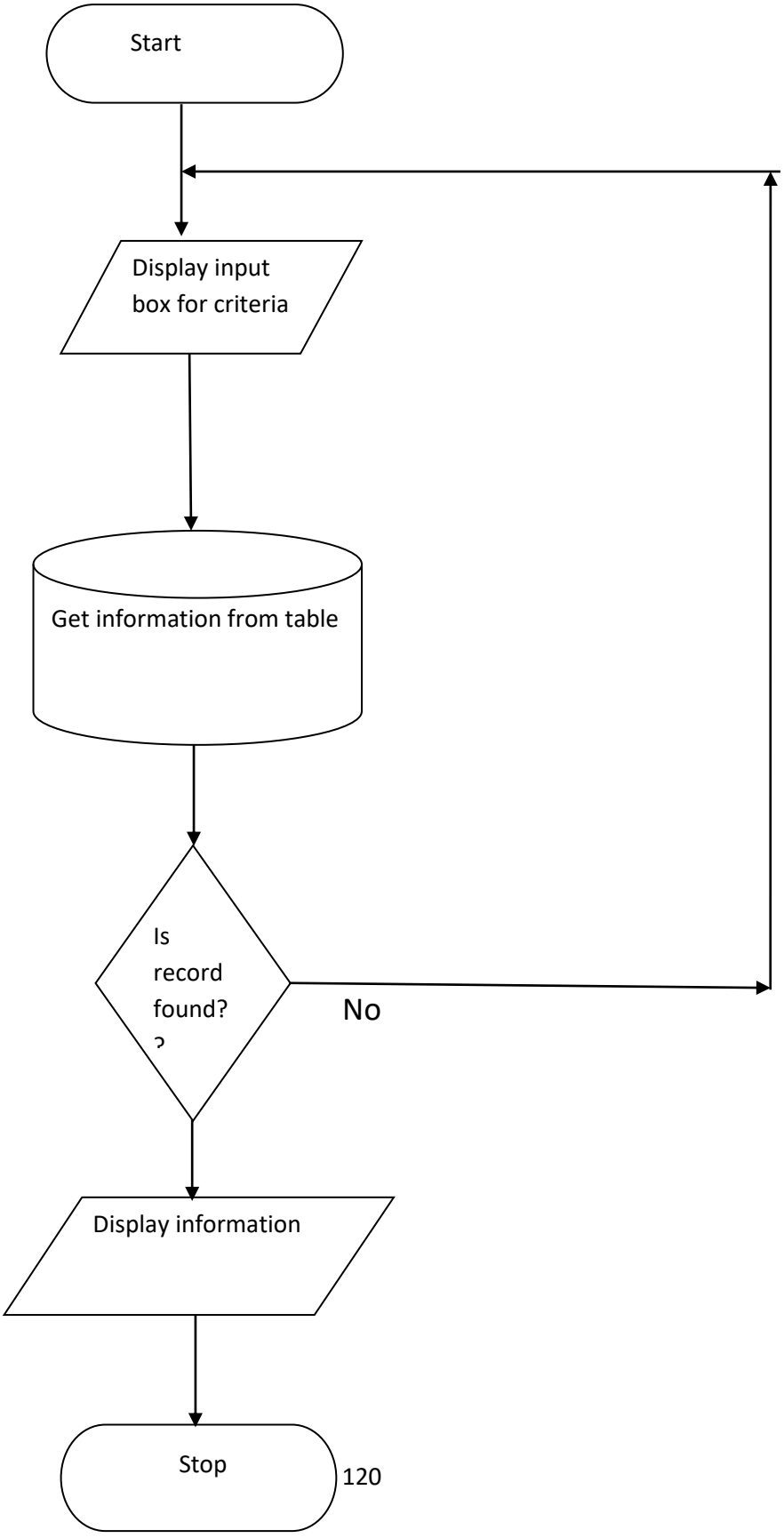
Login



Add record


Start
Display the form
Are all fields filled?
No
Yes
Store data in database
Stop

See the records



Data structure

tables	Fields	example	Maximum size (in bytes)	Total bytes
Login	Username	Mahesh	15	30
	Password	*******	15	
Credit sales	SN	1	5	92
	Year	2014	4	
	Date	Saturday, March 29, 2014	20	
	Name of customer	Ram	20	
	Category	Foods	10	
	Name of item	Wai wai noodles	15	
	Rate	15	4	
	quantity	15	4	
	Total	225	10	
Cash sales	Sales no	2	5	92
	Year	2014	4	
	Date	Saturday, March 29, 2014	20	
	Category	Clothes	10	
	Name of item	Plain shirt	15	
	Rate	500	4	
	Quantity	5	4	
	Total	2500	10	
Sales return	SRN	3	5	92
	Year	2014	4	
	Date	Saturday, March 29, 2014	20	
	Category	Electronics	10	
	Returned from	Hari jung Rana	15	
	Name of item	LG television	15	
	Rate	15000	4	
	Quantity	1	4	
	Total returned	15000	10	
Cash purchase	CPN	4	5	92
	Year	2014	4	
	Date	Saturday, March 29, 2014	20	
	Purchase from	Harry	15	
	Category	Foods	10	
	Name of item	Basmati rice	15	
	Rate	500	4	
	Quantity	5	4	
	Total	2500	10	
Credit purchase	CRPN	5	5	92
	Year	2014	4	
	Date	Saturday, March 29, 2014	20	
	Purchased from	Mahesh	15	
	Category	Foods	10	
	Name of item	Chocolates	15	
	Rate	13	4	
	Quantity	13	4	
	Total	169	10	
Purchase return	PRN	6	5	92
	Year	2014	4	
	Date	Saturday, March 29, 2014	20	
	Returned to	Gita	15	
	Category	Clothes	10	
	Name of item	t-shirt	15	
	Rate	1300	4	
	Quantity	2	4	
	Total	2600	10	
	SN	7	5	
	Year	2014	4	
	Month	Jan	3	

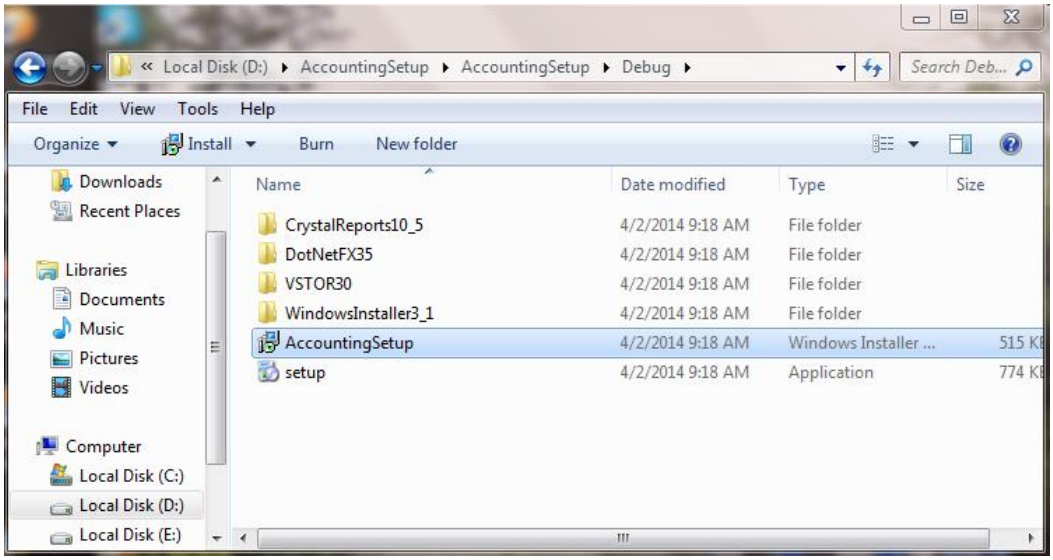
Wage	Name of employee	Bibek Guragain	15	92
	Post	Manager	5	
	Salary	12000	10	
	Paid	12000	10	
	Prepaid	0	5	
	Due	0	5	
Rent	SN	8	5	72
	Year	2014	4	
	Month	Feb	3	
	Monthly rent	14000	10	
	Rent paid	13000	10	
	Prepaid	0	5	
	Due	1000	5	
Electricity	SN	9	5	92
	Year	2014	4	
	Month	Mar	3	
	Rate(per units)	5	2	
	Total units	130	4	
	To pay	650	10	
	Paid	750	10	
	Due	0	5	
	Prepaid	100	5	
Total				838

No of records(500)	419000
Plus 10%	41900
Total size of records(in KB)	450

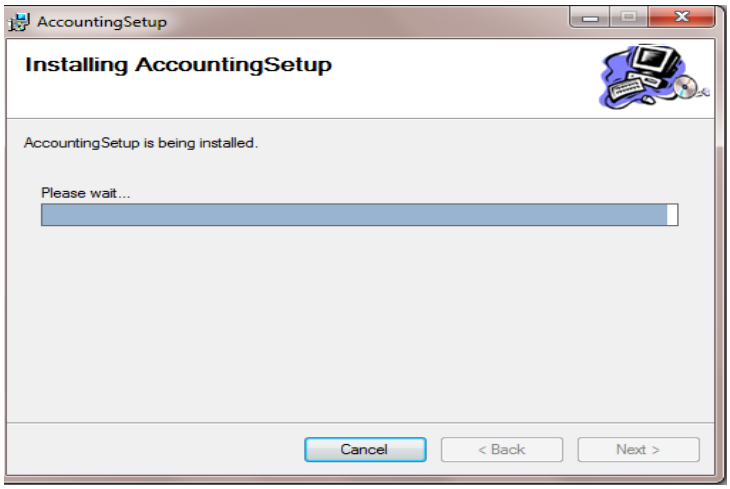
User guide

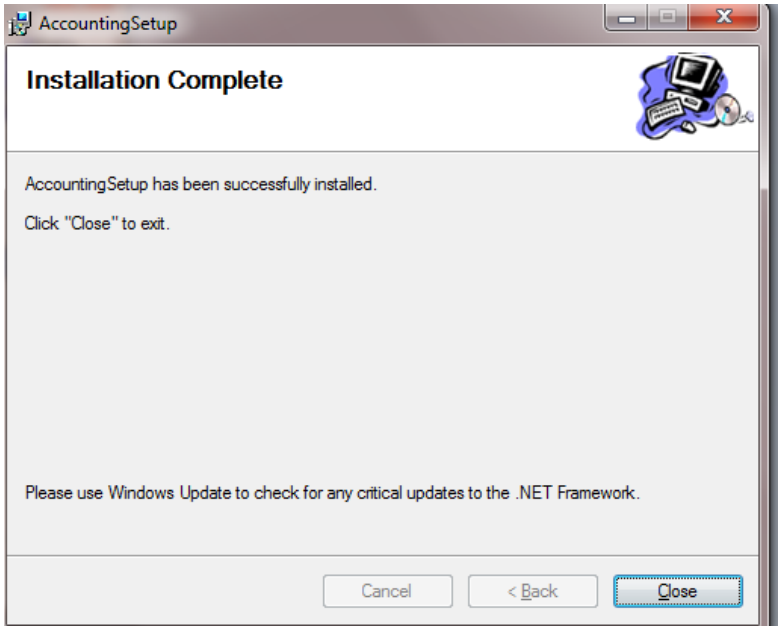
The step wise user guide is given below:

1. Open the setup file of the software when you get the software as shown in the figure.



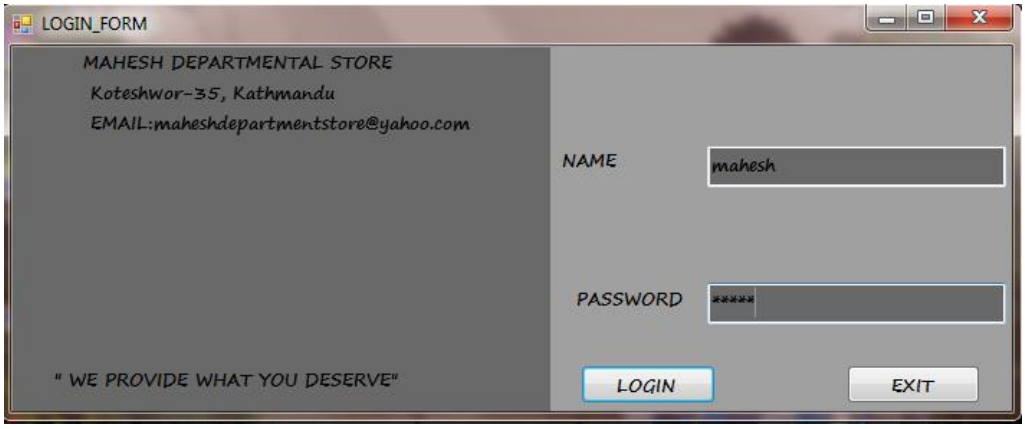
2. Double click on the accounting setup and follow the installation procedure and successfully install the software.





3. When successfully installed, [illegible]e is seen in the user desktop screen.

4. Double click on the shortcut of software on desktop and start the software.



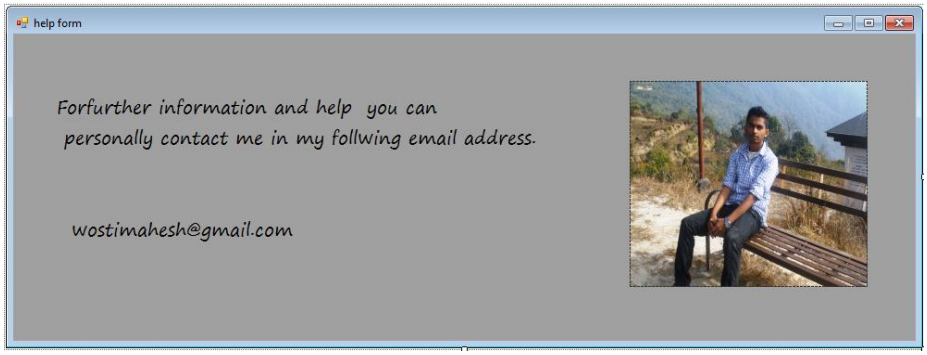
5. Type the correct username and password and press login button and main form appears.

6. The main form appears.

Description

- Sales
  - If credit sales to be recorded ,select credit sales
  - If cash sales to be recorded, select cash sales
  - If sales return to be recorded, select sales return

In this way select the function you want to perform and perform the operation in all the menus and their respective window.
For further, information and any help you can see the help form as below:



Troubleshooting

When you're using the system, you may encounter troubles. This section covers most common troubles and the method to solve them.

- **I cannot enter data in textbox fields.**
  You're probably trying to type non-numeric characters in a numeric field. Numeric field only take numbers and a single decimal. If you type non-numeric characters, they won't appear in the textbox fie

- **Application is running too slow.**
  The application will perform slower if you have many applications (or a huge application) running at the same time. Try to use as less number of applications as possible.

Evaluation

Degree of Success in Meeting the Original Objectives

Objectives with evidence:

- The software must have easy method of adding, and deleting records for sales, purchase and expenses.
  Software is made to add and delete the record easily.
- The software must have easy method to see the recorded data of any date.
  It is easy to see the record stored using the software.
- The software must automatically record the due or prepaid.
  The software can automatically record the due or prepaid.
- The software must be able to show information about the stocks)
  The software shows the information about the stocks.
- The software must add up all the daily transactions of the year and make annual reports of the total sales, total purchase, and total expenses.
  Software can made the annual report.

Evaluation of Client's and User's Response to the System

There was positive response as the software was able to meet the objectives.

- the system was used successfully
- the system specification was achieved
- As the system is simply designed with simple feature, there were no possible faults.