MINI-PROJECT REPORT ON MONTHLY FEE PAYMENT SOFTWARE

Bachelor of Computer Sciences

HIGHER AND TECHNICAL INSTITUTE, MIZORAM.
(***Affiliated under Mizoram University***)
Chanmari, Lunglei.

MINI PROJECT REPORT ON
MONTHLY FEE PAYMENT SOFTWARE

SUBMITTED BY:

H.Lalmuanzuala
Roll No. 1523BCA078
Redg.No.1501815

B.Lalberkhawpuiamawia
Roll No. 1523BCA087
Redg.No.1501816

Under the guidance of Mr. R.Vanlalawmpuia

Higher and Technical Institute, Mizoram(HATIM)
Lunglei, Mizoram

HIGHER AND TECHNICLA INSTITUTE, MIZORAM
(Affiliated under Mizoram University)
CHANMARI, LUNGEI-796701

CERTIFICATE

This is to certify that H.Lalmuanzuala and B.Lalberkhawpuimawia has fully completed the project entitled "Monthly Fee Payment Software" in order to meet the requirement of the Mizoram University for the 4th Semester Bachelor of Computer Application in the year 2017(February-May). It is to certify that all the corrections / suggestions indicated for internal assessment has been approved as it satisfies the academic requirements in respect of Mini Project work prescribed for the BCA course.

(R.Vanlalawmpuia)	(Joseph Lalhunmawia)	(Dr.Rema Chhakchhuak)
Project Guide	Head of Department	Principal
Dept. Of Comp. Science	Dept. Of Comp. Science	HATIM

Name of Examiner

Signature with date

_____

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We express our sincere gratitude to all those who have supported us and lend us a helping hand in making this mini-project, whose constant guidance and encouragement crowned our efforts with success. We are deeply indebted to the following persons for their valuable guidance and support.

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The selection of this project work and the completion of this Project is mainly due to our Project Guide Mr.R.Vanlalawmpuia, Lecturer, Department of Computer Sciences. We are thankful to him for his outstanding comments and the advice given to us.

We would also like to thank and give out grateful gratitude to our parents for their moral and financial support and also to all the students in the Department of Computer Sciences for their moral support and for their advice.

Above all, we thank the Almighty God for giving us good health, wisdom and knowledge that we could complete our project without fail.

H.Lalmuanzuala

B.Lalberkhawpuimawia

DECLRATION

We do hereby that the project entitled “Monthly Fee Payment Software” is not submitted to any other university or institution for the award of any degree, diploma of fellowship or published any time before. This project is prepared under the guidance of our project guide Mr. R.Vanlalawmpuia which forms our partial fulfillment of the requirements for the three years Bachelor Degree in Computer Applications of Mizoram University.

H.Lalmuanzuala

B.Lalberkhawpuimawia

ABSTRACT

This project report includes the description, the design and implementation of "Monthly Fee Payment Software". This mini project deals with the construction and understanding of the working of a Monthly fee payment system using Visual Studio 2010(for front-end) and Microsoft Access 2016(for the back-end) which plays a vital role in this project.

The main aim of this mini-project is to design and develop a simple Monthly fee payment software, which will be easy to implement and use. A monthly fee payment is usually done manually in pen and paper, requiring extra time and hard to keep record of the one who already paid the fees and who have not paid.

Since we are living in a computerized world where the computer applications can be implemented everywhere, as computer students, we feel it necessary to implement and make use of the computer to design a simple application for the payment of Monthly Fee in our college, which could provide an easier and efficient way of paying and managing monthly fees for both the students and the accountant.

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INTRODUCTION

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1. Introduction

1.1 Overview of the project

This mini-project mainly focuses on the monthly fee payment system of HATIM college in which all the student's information like University roll number, father's/guardian's name, Locality, phone number, Academic year etc. are recorded. It deals with registering of new students, deletion of students, updating of student information and most importantly, recording of monthly fee payment for each and every student.

As this is a mini project, the full fee payment system such as installation fees, electricity bill etc. is not covered. But the storing and keeping the record on which date the monthly fee payment on a particular month is paid can be done. Also, the user will be easily able to see according to his/her preference who had not paid the fees and who had already paid the fees in a particular month.

The main aim of this project is to be user-friendly and also to provide an easy and fast way for the accountant to manage all the monthly fee transaction in an outstanding way.

1.2 Objectives and Scope

The main objective of this mini project is to design and develop a simple based monthly fee payment system, which will be easy to implement and use. This will help in recording and retrieving monthly fee information easily and faster.

The objective of the project is as follows:

- To store and record the student's information and use them in recording the monthly fee payments instead of using pen and paper.
- To create an efficient and reliable database for storing and retrieval of required data and information.
- To develop and provide an efficient recording and checking of the fee payment information of the students.
- To design a user interface to meet the requirements and specification of the user.

The main scope includes the following:

- A database system which consist of records of the necessary data and information like login table, student information table, monthly fee table etc. This database is connected to the application which can be updated, deleted and altered from the application.
- The accountant can receive the monthly fee at any given time without the use of paper and pen.

2. List of System Requirements

2.1 Hardware requirements

This project is designed in order to be used by most of the computer system. Hence, the hardware and specification and requirements are not high. The basic configuration requires are as follows:

i. Coloured monitor
ii. Processor-Pentium IV and above.
iii. RAM 256MB and above.
iv. Secondary memory (32GB and above)
v. Qwerty or IBM compatible keyboard.
vi. Optical mouse.

2.2 Software Requirements

The software required for making the application and for designing the database are as follows.

i. Microsoft Visual Studio 2010.
ii. Microsoft Access

3. Details of hardware and software used

3.1 Details of hardware used

The main details of the hardware and scripting language used to create this mini project are given below:

(i) Colour monitor: A colour monitor to view the normal output settings. A monitor is one of the most important output device for a computer which display the all processes and application done by the machine in the form of a graphical user interface or command line interface.

(ii) Processor: The processor is the main processing unit to run the project in the computer.

(iii) RAM: The main memory is the place in which the application is stored while the process is running. For a mini project as this, the RAM need not be high and can be run in full performance even in 128MB of memory.

(iv) Secondary memory: The secondary memory is the memory in which the application can be stored as a backup file in the computer.

(v) QWERTY or compatible keyboard: The keyboard is the main input device to enter the necessary information and data.

3.2 Details of software used

Overview of Front-End

Microsoft visual studio 2010:

Microsoft Visual Studio 2010 is an integrated development environment(IDE) from Microsoft. It is used to developed console and graphical user interface application along with windows form application, web sites, web application and web services in both native code together with manage code for all platforms supported by Microsoft Windows, Windows Mobile, Windows CE, .NET Framework, .NET Compact Framework and Microsoft Silver light, it can also develop windows presentation foundation(WPF) application.

Visual studio includes a code editor supporting IntelliSense as well as code refactoring. The integrated debugger. Other built-in-tools include a form design for building GUI application, web designer, class designer and database scheme designer. It accepts plug-in that enhance the functionality at almost every level including adding support for source control system.

Visual Studio support different programming languages by means of languages services, which allows the code editor and debugger to support (varying degrees) nearly and programming languages, provide a language specific services. Built-in languages include C/C++ (via visual++), VB.NET (via Visual Basic .NET), C#, and F#. Supports for other languages such as M, Python, and Rugby among others in available via languages service installed separately. It also supports XML/XSLT, HTML/XHTML, JavaScript and CSS. Individual language-specific versions of Visual Studio also exist which provide more limited language services to the user: Microsoft Visual Basic, Visual J#, Visual C# and Visual C++.

Overview of Back-End:

Microsoft Access 2016

Microsoft Access is a pseudo relational database management system from Microsoft that combines the relational Microsoft Jet Database Engine with a graphical user interface and software development tools. It is a member of the Microsoft Office suite of applications, included in the Professional and higher editions or sold separately.

Access stores data in its own format based on the Access Jet Database Engine. It can also import or link directly to data stored in other Access database, Excel, SharePoint list, text, XML, dBase, Paradox, Lotus 1-2-3, or any ODBC-compliant data container, including Microsoft SQL server, Oracle, MySQL, and PostgreSQL. Software developers and data architects can use it to develop application software, and "power users" can use it to build simple applications. Like other Office applications, Access is supported by Visual Basic for applications, an object-oriented programming language that can reference a variety of object including DAO (Data Access Object), ActiveX Data Objects, and many other ActiveX components. Visual objects used in forms and reports expose their methods and properties in the VBA programming environment' and VBA code modules may declare and call Windows operating system functions.

4. System Design and Implementation

CONTENTS

4.1 Login Form

This is the first page of our working window in the front-end. This page contains the textbox where the user will have to type the username and password. This gives the privacy of only the authorized person to have access to the software.

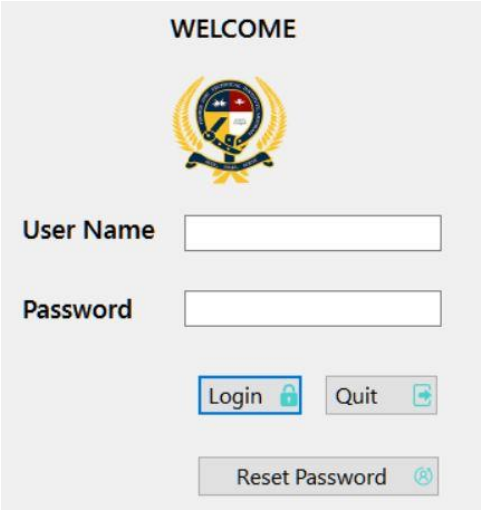


Fig: Login Page

4.2 Reset Password Form

This form is used for resetting the username and password. In this form, the user can reset the username and password along with the security question and answer by providing the current username and password. This will be useful for maintaining unauthorized access to the application.

Fig: Reset Password Page

4.3 Forget Password Form

This form is useful for resetting the username and password by entering the required answer if we don't remember the current username and password. This can be entered by clicking on the "Forget Password" text in the Reset Password form.

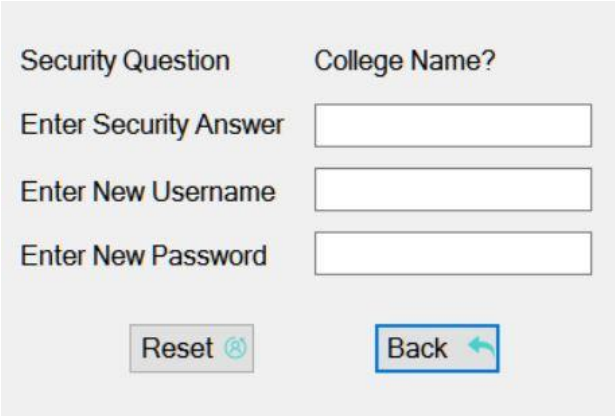


Fig: Forget Password Page

4.4 Pay Monthly Fee tab

Since the application is design to be as simple as possible, the main page contains only one form which is divided into five tabs. The first tab is the Pay Monthly Fee tab, where the user can pay the monthly fees of registered students. In this page/tab, the user can find the required student in two ways, the first one is to select academic year, course, Year and then the Student combo box will be populated according to the selected Academic year, course and year, where we can choose the required student. The second way of choosing the required student is by clicking the "Open Advance Search" button, and enter the roll number of the student and click search.

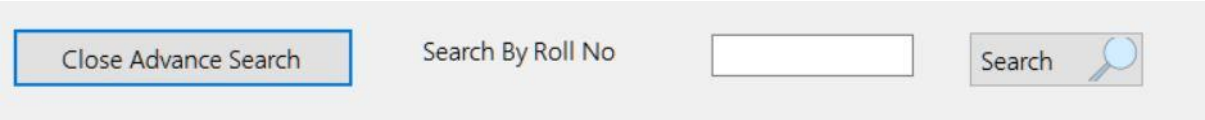


Figure: Advance Search button

After we select the required student, the selected father's name, roll number and their locality is displayed on the right top corner of the page, which can be used for confirming the student's identity in case of similar names in the same class.

Then in the left side, a table indicating the fees already paid by the selected student will be displayed along with the date of payment made.

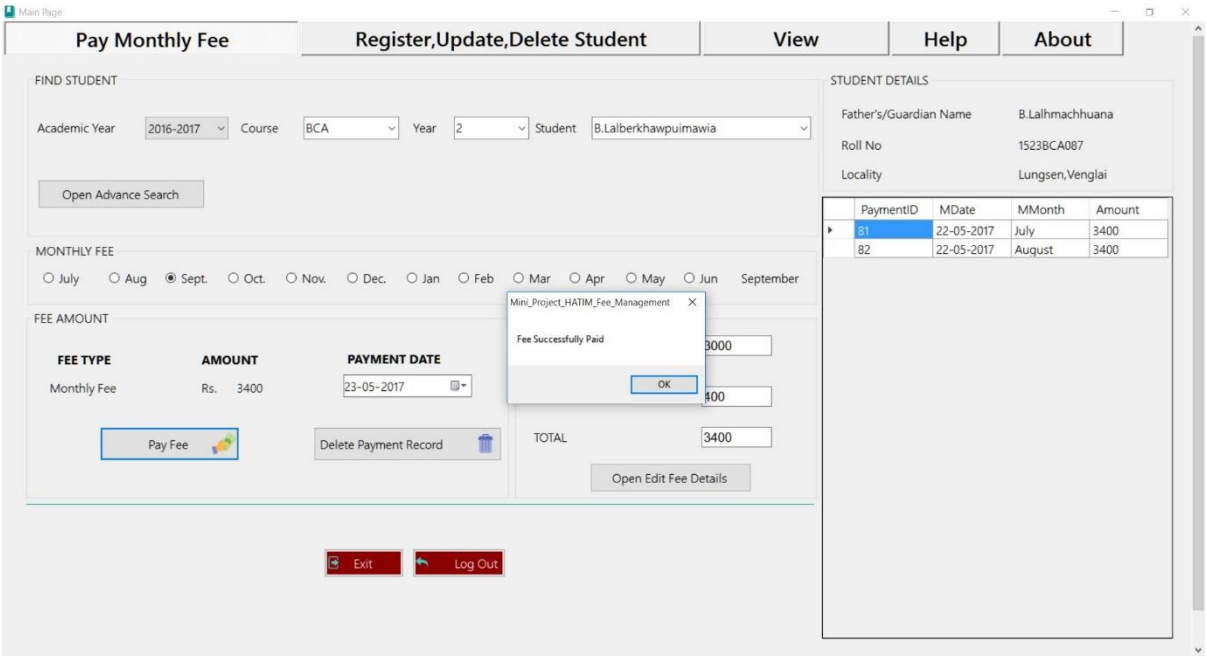


Figure: Pay monthly fee tab page

In order to pay the fees, we must first select the student as mentioned above, click on the month for which you want to pay the fee in the radio button provided, select the date and click on "Pay Fee" button to complete the transaction. However, if the month we select is already registered as paid, then a message box will pop up indicating "Already Paid in the selected month" as shown in the figure below.

Figure: Already Paid Notification Message Box

Also, in case if we want to delete the payment already made/recorded in the database, we can delete it by clicking on the row of the required data from the datagridview and the payment ID number will be

displayed near the delete button, after which we can delete the data by clicking on the delete button. Here one alert notification indicating “Are you sure you want to delete the selected data” will be displayed and click OK.

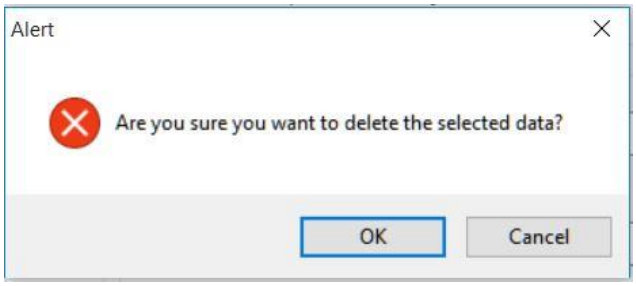


Figure: Alert Message Box

Also, as the monthly fees can change from time to time, in such situations, we can change the amount of the fees by clicking on the “Open Edit Fee Details”, and enter the new amount of the fees in the textbox provided and click on the save button as shown in the figure below.

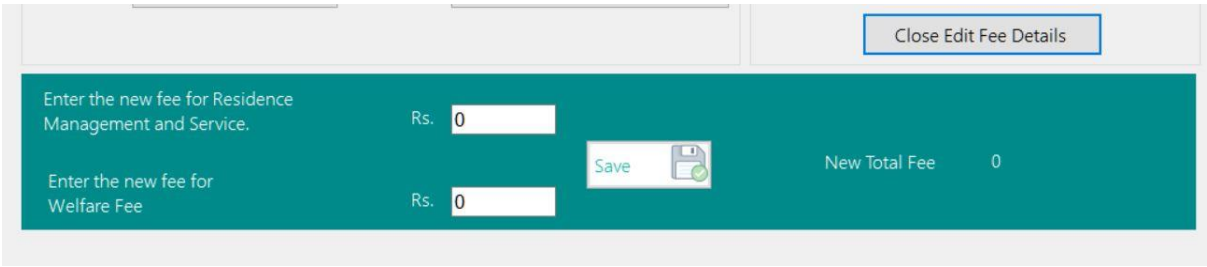


Figure: Edit Fee Details

4.5 Register, Update, Delete Student Tab

In this tab, we can Register student’s information, Update the existing student information or delete them. The options available are:

i. Registration of Students

In order to register a new student, we need to fill up the form provided in the tab accordingly and after we finish it, we just need to click the save button and message box will pop up indicating “Saved Successfully” as shown in the figure below.

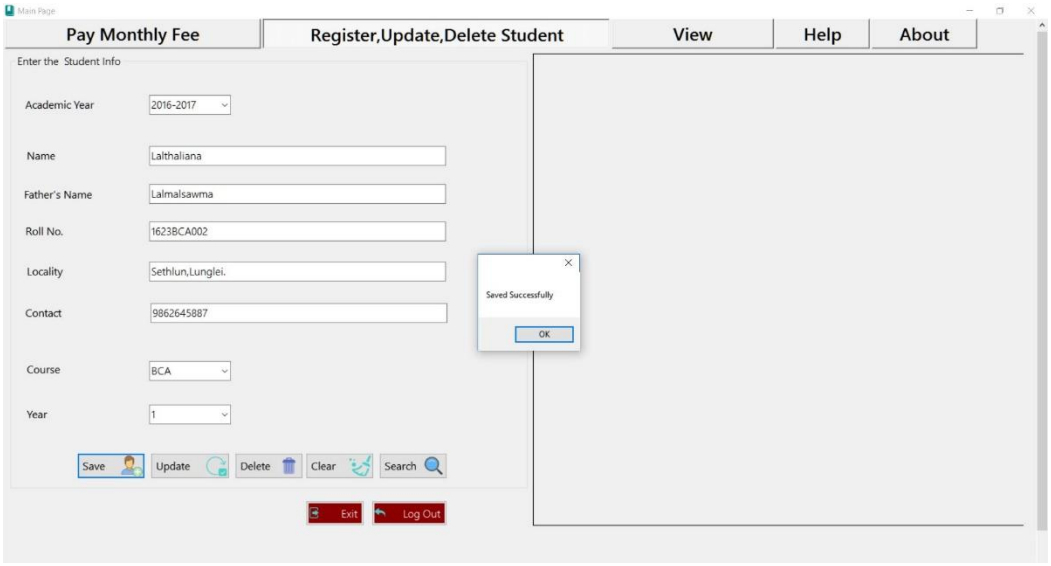


Figure: Register new student

ii. Update of student information

In this tab, we can also update the existing data by selecting the required data from the datagrid view and the information will be filled up in the form, then we can modify the required data, and after all the necessary information is modified, click on the "Update button" and the message box showing "Update Successfully" will be displayed as shown below.

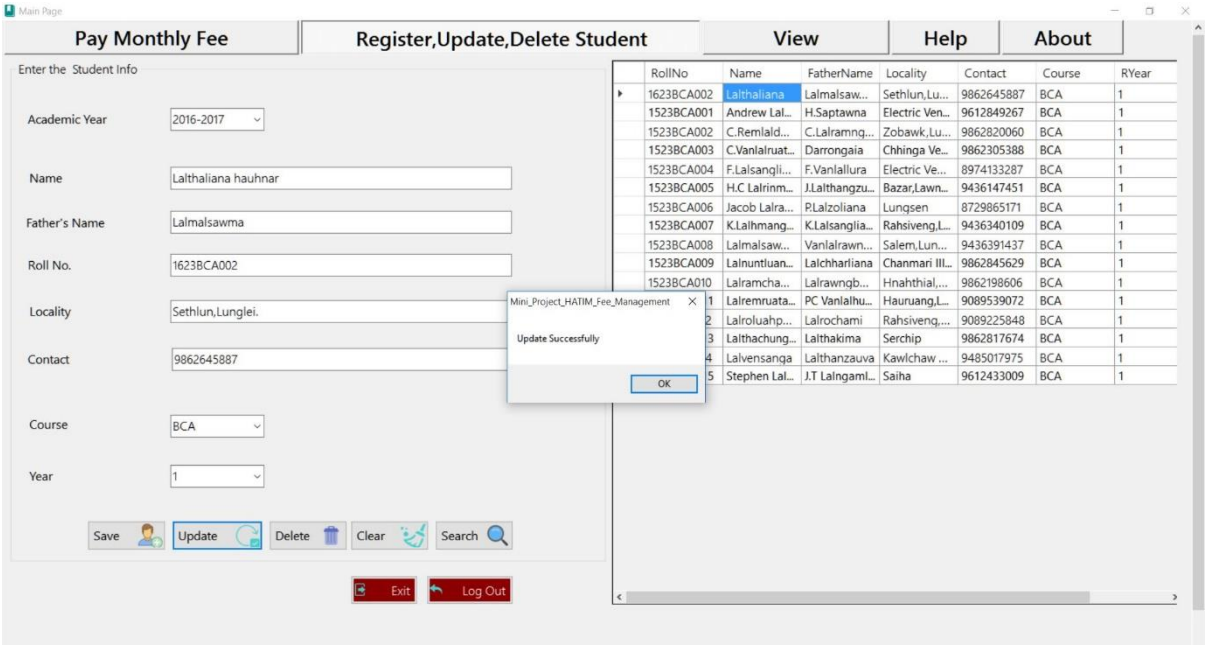


Figure: Update Student

iii. Deletion of student information

We can delete the information of the student by clicking on the required student from the datagrid view and then click on the delete button and the message box will appear as shown in the figure below.

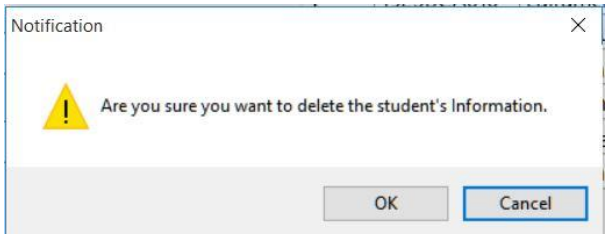


Figure: Delete Notification

Then select on the "OK" option from the message box and the confirmation of the deletion will be displayed as shown in the figure below.

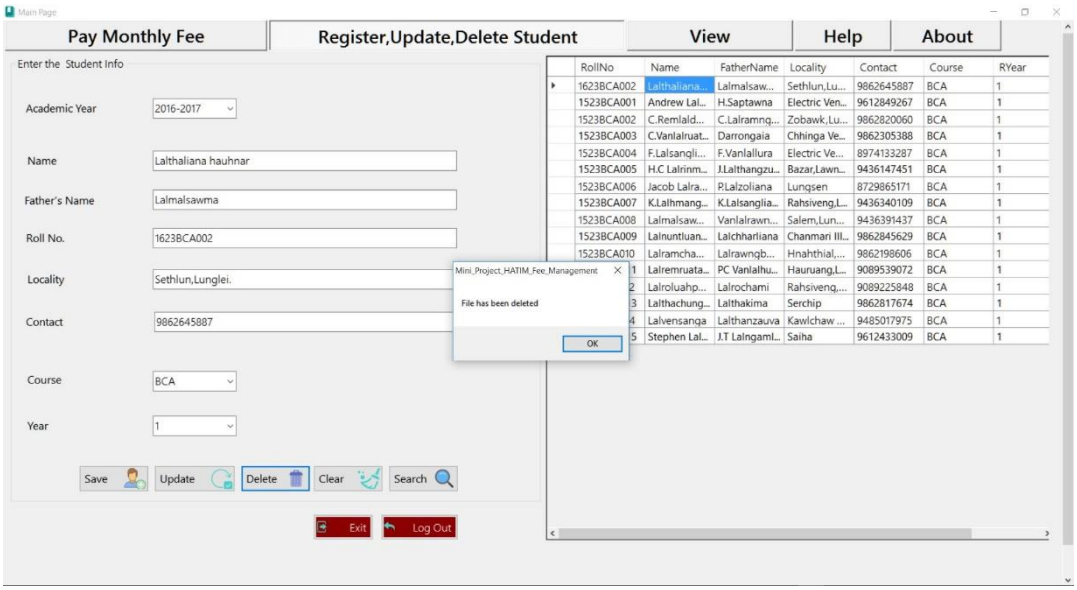


Figure: Delete of Student information

iv. Search Student

We can search the required student by selecting the academic year from the drop box and then fill up any data from the form and then click on the "Search" button, then the results will be displayed in the datagrid view.

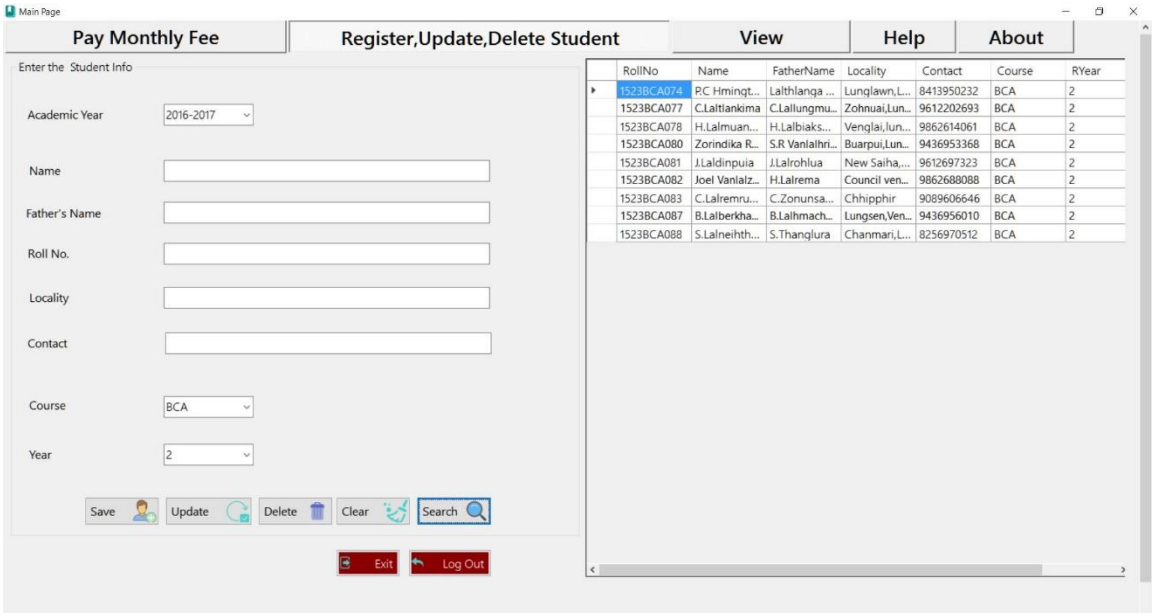


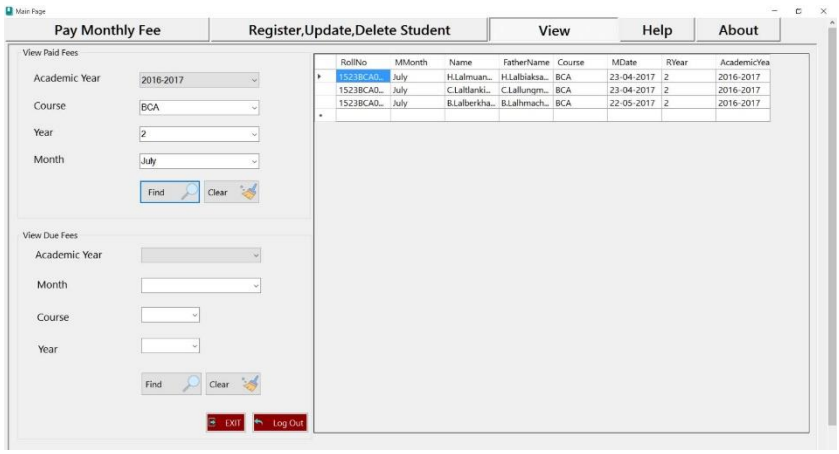
Figure: Search BCA 2nd year 2016-2017 Academic year information

4.6 View Tab

In this tab, the user can view the details of all the one who have paid the fees in a particular month and the one who does not paid the fees in a particular month. There are two options namely:

i. View Paid fees

In this section, the user can select the required field in which the paid fees he/she wants to see. Then he/she may click on the "Find button" and the results will be shown in the datagrid view in the right pane of the tab



ii. View due Fees

Similarly, in this section, the user can select the required field in which the due fees he/she wants to see. Then he/she may click on the "Find button" and the results will be shown in the datagrid view in the right pane of the tab as shown below:

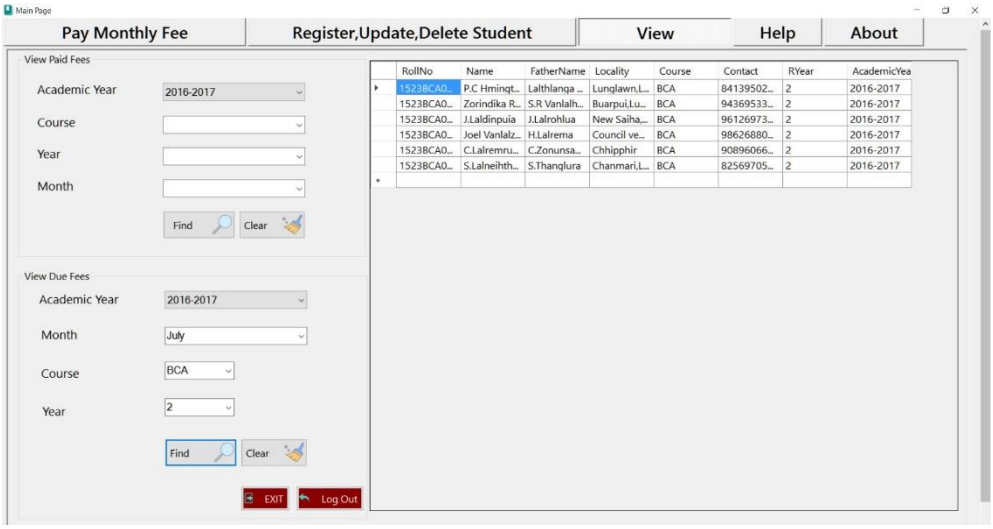


Figure: View due Fees

4.7 Help Tab

This tab shows about the main functionality of the software and how to operate on it. It includes all the basic necessary information required.

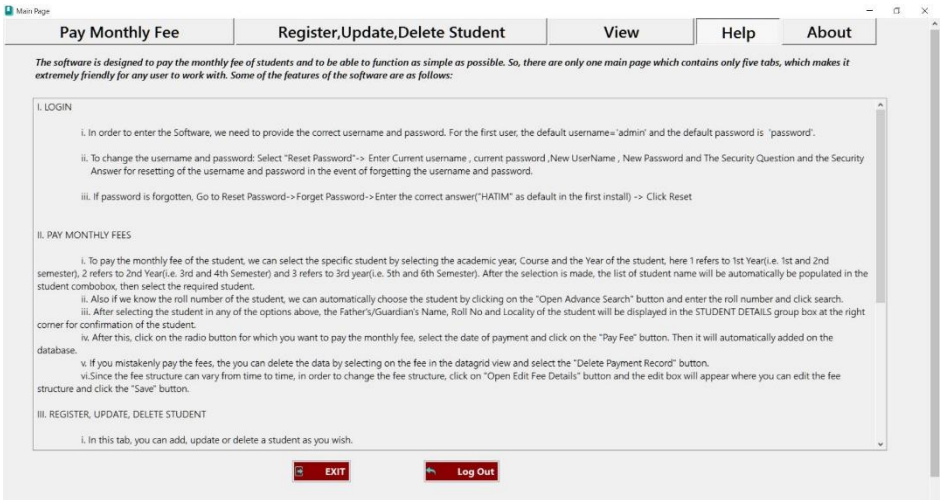


Figure: Help tab

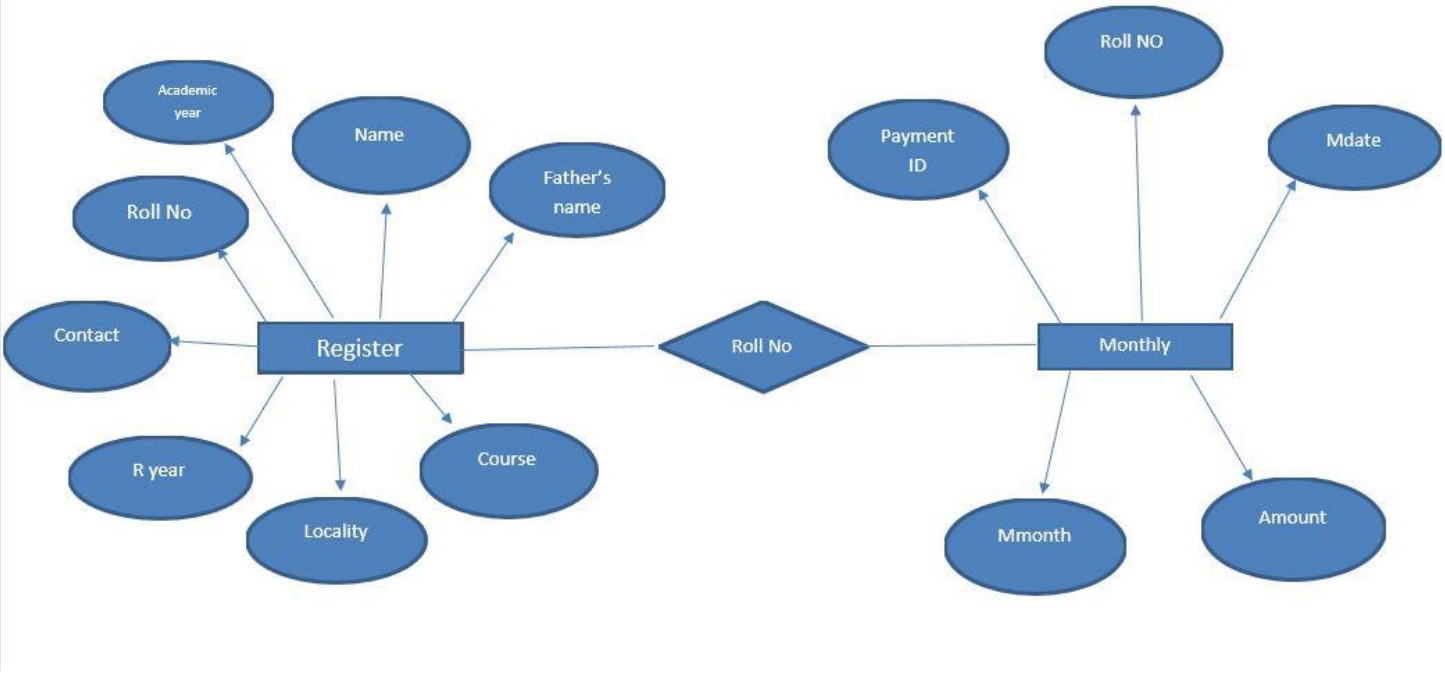
4.8 About Tab

This tab shows the information about the developers of the software as shown below.

Figure: About Tab

5. SYSTEM ANALYSIS

5.1 Entity Relationship Diagram



5.2 Data Flow Diagram

Figure: Zero Level

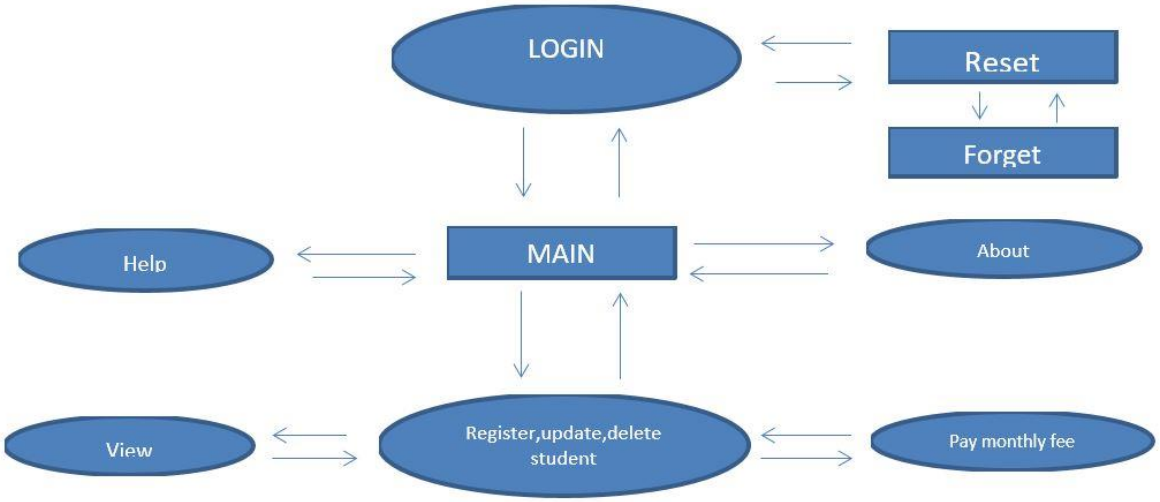


Figure: First Level

5.3 Physical and logical structure

The backend of the project is created by using Microsoft Access pseudo relational database systems. A database is created first which consists of five different records or tables. These records store the necessary data and information in different fields according to the input of the user. The backend- Microsoft Access can be connected from the frontend- Visual Studio 2010.

The five different tables that we create using Microsoft Access are shown below:

Table Name: Login Table

Fee | LogIn | Monthly | Register | FView

ID	UserName	uPassWord	Click to Add
1	admin	password	
2	College Name?	HATIM	
*			

Table Name: Fee Table

Fee

Field Name	Data Type
Residence Management and Service Fee	Number
Welfare Fee	Number
replace	Short Text

Table Name: Monthly Table

Fee | LogIn | Monthly | Register | FView

PaymentID	RollNo	MDate	MMonth	Amount
77	1523BCA078	23-04-2017	July	3400
78	1523BCA077	23-04-2017	July	3400
79	1523BCA015	23-04-2017	July	3400
80	1523BCA077	22-05-2017	August	3400
81	1523BCA087	22-05-2017	July	3400
82	1523BCA087	22-05-2017	August	3400
83	1523BCA087	23-05-2017	September	3400
*	(New)			

Table Name: Register Table

Fee | LogIn | Monthly | **Register** | FView

RollNo	Name	FatherName	Locality	Contact	Course	RYear	AcademicYea
1323BA002	Gospel.B.Roche	B.Hmingthanma	Zotlang	9402326589	BA	3	2016-2017
1323BC007	Christina Rolual	Ngursavunga Sa	Armed Veng,Aiz	9862366658	B.Com	3	2016-2017
1323BC016	Joseph Remrua	C.Zohminglina	Zohnuai	9436755648	B.Com	3	2016-2017
1323BC027	V.lalrobuanga	V.Challawma	Mualthuam Noı	8414053663	B.Com	3	2016-2017
1323BC031	V.Ramdinmawia	V.Sanliantlirha	South Chawilun	9436383379	B.Com	3	2016-2017
1323BSW025	T.Lalfawnvei	T.Lalsiamhluna	Diltlang South	9436870998	BSW	3	2016-2017
1423BA001	Jacob Lalchhan	Lalremsiama	Republic VT,Aiz	8014584386	BA	3	2016-2017
1423BA002	C.Vanlalhmanga	C.Vanramhluna	Theiriat,Lunglei	9089223398	BA	3	2016-2017
1423BA003	K.Lalhruaitluan	K.Rinkima	Salem Veng,Lun	9862500862	BA	3	2016-2017
1423BA004	Lisa Zoliansangi	B.Sangsiama	Salem Veng,Lun	9862539542	BA	3	2016-2017
1423BA005	Zodiki Khiangte	Lalchhuanawm	Thualthu	8413852458	BA	3	2016-2017
1423BA006	Lalbiaktluangi	Lalhriatpuia	Serkawn	9612574759	BA	3	2016-2017
1423BA007	Joseph Lalremru	Rohmingliana	Lawngtlai	9612131501	BA	3	2016-2017
1423BA008	P.Vanlalruatkim	P.Vanhmingtha	Rahsiveng,Lung	9615523132	BA	3	2016-2017

Table Name: FView Table

Fee | LogIn | Monthly | Register | **FView**

RollNo	MMonth	Name	FatherName	Course	MDate	RYear	AcademicYear
1523BCA078	July	H.Lalmuanzuala	H.Lalbiaksanga	BCA	23-04-2017	2	2016-2017
1523BCA077	July	C.Laltlankima	C.Lallungmuana	BCA	23-04-2017	2	2016-2017
1523BCA015	July	Stephen Lalruatfela	J.T Lalngamliana	BCA	23-04-2017	1	2016-2017
1523BCA077	August	C.Laltlankima	C.Lallungmuana	BCA	22-05-2017	2	2016-2017
1523BCA087	July	B.Lalberkhawpuimawia	B.Lalhmachhuana	BCA	22-05-2017	2	2016-2017
1523BCA087	August	B.Lalberkhawpuimawia	B.Lalhmachhuana	BCA	22-05-2017	2	2016-2017
1523BCA087	September	B.Lalberkhawpuimawia	B.Lalhmachhuana	BCA	23-05-2017	2	2016-2017

6. CODING SYSTEM:

As the front-end is created using Microsoft Visual Studio 2010, the coding system used is also Visual Basic, which is a third generation event-driven programming language and integrated development environment(IDE). The main codes used in the project are given below:

6.1 Code for LogIn

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

   Dim connection As New OleDbConnection("Provider=microsoft.ACE.OLEDB.12.0;Data
source=|DataDirectory|/Project.accdb")
   Dim command1 As OleDbCommand
   Dim command2 As OleDbCommand

   Private Sub Button1_Click_1(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles Button1.Click
      command1 = New OleDbCommand("Select UserName from LogIn where ID='" &
Reset.lblID1.Text & "'", connection)
      command2 = New OleDbCommand("Select uPassword from LogIn where ID='" &
Reset.lblID1.Text & "'", connection)
      connection.Open()
      Dim A As String = command1.ExecuteScalar
      Dim B As String = command2.ExecuteScalar
      If txtUserName.Text = A And txtPassword.Text = B Then
         Me.Hide()
         Main.Show()
      Else
         MessageBox.Show("Incorrect Username/Password", "Access Denied",
MessageBoxButtons.OK, MessageBoxIcon.Exclamation)
         txtUserName.Text = ""
         txtPassword.Text = ""
         ' MsgBox("Incorrect")
         'MessageBox ("Incorrect UserName or Password, Please Enter Correct UserName and
Password", "Error",
      End If
      connection.Close()
   End Sub
   Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
Button2.Click
      If MessageBox.Show("Are you sure you want to Quit", "Attention", MessageBoxButtons.YesNo,
MessageBoxIcon.Information, MessageBoxDefaultButton.Button2) = DialogResult.Yes Then
         Me.Close()
         Main.Close()
         Reset.Close()
```

```
        Else
            Me.Show()
        End If
    End Sub
    Private Sub Button3_Click_1(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles Button3.Click
        Reset.Show()
        Me.Hide()
    End Sub
End Class
```

6.2 Code for Password Reset

```
Imports System.Data.OleDb
Public Class Reset
    Dim DA As OleDbDataAdapter
    Dim DS As DataSet
    Dim connection As New OleDbConnection("Provider=microsoft.ACE.OLEDB.12.0;Data
source=|DataDirectory|/Project.accdb")
    Dim command1 As OleDbCommand
    Dim command2 As OleDbCommand
    Dim command3 As OleDbComman
    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
Button1.Click
        If txtResetCurrentUser.Text = "" Then
            MsgBox("Please enter current Username")
        ElseIf txtResetCurrentPw.Text = "" Then
            MsgBox("Please enter current Password")
        ElseIf txtNewUser.Text = "" Then
            MsgBox("New UserName cannot be empty")
        ElseIf txtNewPassword.Text = "" Then
            MsgBox("New Password cannot be empty")
        ElseIf txtEnterSecurityQ.Text = "" Then
            MsgBox("Security Question Cannot be left Empty")
        ElseIf txtSecurityAns.Text = "" Then
            MsgBox("Security Answer cannot be left empty")
        Else
            DA = New OleDbDataAdapter("Select * from LogIn where UserName= '" &
txtResetCurrentUser.Text & "' and uPassWord ='" & txtResetCurrentPw.Text & "'", connection)
            DS = New DataSet("tea")
            DA.Fill(DS, "tea")
            If DS.Tables("tea").Rows.Count <> 1 Then
                MsgBox("Incorrect Username/Password")
            Else
                command1 = New OleDbCommand("Update LogIn set UserName= '" & txtNewUser.Text &
"',uPassWord= '" & txtNewPassword.Text & "' where ID = '" & lblID1.Text & "'", connection)
                command2 = New OleDbCommand(" Update LogIn set UserName ='" &
txtEnterSecurityQ.Text & "', uPassword='" & txtSecurityAns.Text & "' where ID = '" & lblID2.Text &
"'", connection)
```

```
            connection.Open()
            command1.ExecuteNonQuery()
            command2.ExecuteNonQuery()
            connection.Close()
            MsgBox("Update Successfully")
            txtResetCurrentPw.Text = ""
            txtResetCurrentUser.Text = ""
            txtNewPassword.Text = ""
            txtNewUser.Text = ""
            txtEnterSecurityQ.Text = ""
            txtSecurityAns.Text = ""
        End If
    End If
  End Sub
  Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
Button2.Click
    Me.Hide()
    LogIn.Show()
  End Sub
  Private Sub Label10_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
Label10.Click
    Me.Hide()
    Forgot.Show()
    command1 = New OleDbCommand("Select UserName from LogIn where ID='" & lblID2.Text &
"'", connection)
    command2 = New OleDbCommand("Select uPassWord from LogIn where ID='" & lblID2.Text &
"'", connection)
    connection.Open()
    Dim A As String = command1.ExecuteScalar
    Dim B As String = command2.ExecuteScalar
    Forgot.lblSecurityQuestion.Text = A
    connection.Close()
  End Sub
End Class
```

6.3 Code for Forget Password

```
Imports System.Data.OleDb
Public Class Forgot
  Dim connection As New OleDbConnection("Provider=microsoft.ACE.OLEDB.12.0;Data
source=|DataDirectory|/Project.accdb")
  Dim command1 As OleDbCommand
  Dim command2 As OleDbCommand
  Dim DA As OleDbDataAdapter
  Dim DS As DataSet

  Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
Button1.Click
```

```
        command1 = New OleDbCommand("Select UserName from LogIn where ID='" & lblID2.Text &
"'", connection)
        command2 = New OleDbCommand("Select uPassWord from LogIn where ID='" & lblID2.Text &
"'", connection)
        connection.Open()
        Dim A As String = command1.ExecuteScalar
        Dim B As String = command2.ExecuteScalar
        lblSecurityQuestion.Text = A
        connection.Close()
        If txtSecurityAns.Text = B Then
            connection.Open()
            command1 = New OleDbCommand("Update LogIn set UserName= '" & txtNewUser.Text &
"',uPassWord= '" & txtNewPassword.Text & "' where ID = '" & lblID1.Text & "'", connection)
                command1.ExecuteNonQuery()
            MsgBox("Update Successfully")
            connection.Close()

            txtNewPassword.Text = ""
            txtNewUser.Text = ""
            txtSecurityAns.Text = ""
        Else
            MsgBox("Your answer is not correct, plese try again!")
        End If
    End Sub

    Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
Button2.Click
        Me.Hide()
        Reset.Show()
    End Sub

    Private Sub Forgot_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
MyBase.Load
        command1 = New OleDbCommand("Select UserName from LogIn where ID='" & lblID2.Text &
"'", connection)
        command2 = New OleDbCommand("Select uPassWord from LogIn where ID='" & lblID2.Text &
"'", connection)
        connection.Open()
        Dim A As String = command1.ExecuteScalar
        Dim B As String = command2.ExecuteScalar
        lblSecurityQuestion.Text = A
        connection.Close()
    End Sub
End Class
```

6.4 Code for Main Page.

```
Imports System.Data.OleDb
Public Class Main
   Dim connection As New
OleDbConnection("Provider=microsoft.ACE.OLEDB.12.0;Data
source=|DataDirectory|/Project.accdb")
   Dim command1 As OleDbCommand
   Dim command2 As OleDbCommand
   Dim command3 As OleDbCommand
   Dim DA As OleDbDataAdapter
   Dim DS As DataSet

   Private Sub Form1_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
      If Button1.Text = "Open Edit Fee Details" Then
         Panel1.Height = 1
      End If
      command1 = New OleDbCommand("Select [Residence Management and
Service Fee] from Fee", connection)
      command2 = New OleDbCommand("Select [Welfare Fee] from fee",
connection)
      connection.Open()
      Dim A As Integer = command1.ExecuteScalar
      Dim B As Integer = command2.ExecuteScalar
      txtResedenceManagementFee1.Text = A
      txtWelfareFee1.Text = B
      txtTotal1.Text = A + B
      connection.Close()
      lblAmount.Text = txtTotal1.Text
      refresh2()
      refreshview()
   End Sub

   Sub refreshview()
      command1 = New OleDbCommand("Select distinct([AcademicYear]) from
Register", connection)
      If connection.State = ConnectionState.Closed Then
         connection.Open()
```

```
        End If
        Dim A As OleDb.OleDbDataReader = command1.ExecuteReader
        cmbAcademicYear2.Items.Clear()
        cmbViewAcademicYear.Items.Clear()
        If A.HasRows Then
            While A.Read
                cmbAcademicYear2.Items.Add(A.Item(0))
                cmbViewAcademicYear.Items.Add(A.Item(0))
            End While
        End If : connection.Close()
        command1 = New OleDbCommand("Select distinct(Course) from
Register", connection)
        If connection.State = ConnectionState.Closed Then
            connection.Open()
        End If
        Dim B As OleDb.OleDbDataReader = command1.ExecuteReader
        cmbCourse2.Items.Clear()
        If B.HasRows Then
            While B.Read
                cmbCourse2.Items.Add(B.Item(0))
            End While
        End If : connection.Close()
    End Sub

    Sub refresh2()
        command1 = New OleDbCommand("Select distinct([AcademicYear]) from
Register", connection)
        If connection.State = ConnectionState.Closed Then
            connection.Open()
        End If
        Dim A As OleDb.OleDbDataReader = command1.ExecuteReader
        cmbAcademicYear1.Items.Clear()
        If A.HasRows Then
            While A.Read
                cmbAcademicYear1.Items.Add(A.Item(0))
            End While
        End If : connection.Close()
        command1 = New OleDbCommand("Select distinct([AcademicYear]) from
Register", connection)
```

```
        If connection.State = ConnectionState.Closed Then
            connection.Open()
        End If : connection.Close()
    End Sub
```

6.5 Code for Monthly Fee

```
Private Sub cmbYear1_SelectedIndexChanged(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles cmbYear1.SelectedIndexChanged
        command1 = New OleDbCommand("Select Name from Register where AcademicYear=
'" & cmbAcademicYear1.Text & "' and Course='" & cmbCourse1.Text & "' and RYear='" &
cmbYear1.Text & "'", connection)
        connection.Open()
        Dim B As OleDbDataReader = command1.ExecuteReader
        cmbStudent1.Items.Clear()
        If B.HasRows Then
            While B.Read
                cmbStudent1.Items.Add(B.Item(0))
            End While
        End If
        connection.Close()
    End Sub

    Sub Refresh3()
        DA = New OleDbDataAdapter("Select PaymentID,MDate,MMonth,Amount from
Monthly where RollNo = '" & lblRollNo1.Text & "'", connection)
        DS = New DataSet("Dir")
        DA.Fill(DS, "Dir")
        DataGridView1.DataSource = DS
        DataGridView1.DataMember = "Dir"
    End Sub

    Private Sub DataGridView1_CellContentClick(ByVal sender As System.Object, ByVal e As
System.Windows.Forms.DataGridViewCellEventArgs) Handles DataGridView1.CellClick
        Me.BindingContext(DS.Tables(0)).Position = DataGridView1.CurrentCell.RowIndex
        lblinvisible1.DataBindings.Add("text", DS.Tables(0), "PaymentID")
        lblinvisible1.DataBindings.Clear()
    End Sub

    Private Sub cmbStudent1_SelectedIndexChanged(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles cmbStudent1.SelectedIndexChanged
        connection.Open()
        command1 = New OleDbCommand("Select FatherName from Register where Name= '"
& cmbStudent1.Text & "' ", connection)
        command2 = New OleDbCommand("Select Locality from Register where Name= '" &
cmbStudent1.Text & "' ", connection)
```

```
        command3 = New OleDbCommand("Select RollNo from Register where Name= '" &
cmbStudent1.Text & "' ", connection)


        Dim C As String = command1.ExecuteScalar
        Dim D As String = command2.ExecuteScalar
        Dim F As String = command3.ExecuteScalar
        lblFatherGuardianName1.Text = C
        lblLocality1.Text = D
        lblRollNo1.Text = F
        connection.Close()
        Refresh3()
    End Sub

    Private Sub btnSearch1_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnSearch1.Click
        DA = New OleDbDataAdapter("Select * from Register where RollNo= '" &
txtRollNoSearch1.Text & "' ", connection)
        DS = New DataSet("Dir")
        DA.Fill(DS, "Dir")
        If DS.Tables("Dir").Rows.Count <> 1 Then
            MsgBox("The Roll Number you entered does not exist in the database")
        Else
            command1 = New OleDbCommand("Select FatherName from Register where RollNo=
'" & txtRollNoSearch1.Text & "' ", connection)
            command2 = New OleDbCommand("Select Locality from Register where RollNo= '" &
txtRollNoSearch1.Text & "' ", connection)
            command3 = New OleDbCommand("Select RollNo from Register where RollNo= '" &
txtRollNoSearch1.Text & "' ", connection)
            connection.Open()
            Dim C As String = command1.ExecuteScalar
            Dim D As String = command2.ExecuteScalar
            Dim F As String = command3.ExecuteScalar
            lblFatherGuardianName1.Text = C
            lblLocality1.Text = D
            lblRollNo1.Text = F
            connection.Close()
            cmbCourse1.Text = ""
            cmbStudent1.Text = ""
            cmbYear1.Text = ""
            Refresh3()
        End If
    End Sub

    Private Sub RadioButton1_CheckedChanged(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles RadioButton1.CheckedChanged
```

```
        lblMonthSelect1.Text = "July"
    End Sub

    Private Sub RadioButton2_CheckedChanged(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles RadioButton2.CheckedChanged
        lblMonthSelect1.Text = "August"
    End Sub

    Private Sub RadioButton3_CheckedChanged(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles RadioButton3.CheckedChanged
        lblMonthSelect1.Text = "September"
    End Sub

    Private Sub RadioButton4_CheckedChanged(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles RadioButton4.CheckedChanged
        lblMonthSelect1.Text = "October"
    End Sub

    Private Sub RadioButton5_CheckedChanged(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles RadioButton5.CheckedChanged
        lblMonthSelect1.Text = "November"
    End Sub

    Private Sub RadioButton6_CheckedChanged(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles RadioButton6.CheckedChanged
        lblMonthSelect1.Text = "December"
    End Sub

    Private Sub RadioButton7_CheckedChanged(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles RadioButton7.CheckedChanged
        lblMonthSelect1.Text = "January"
    End Sub

    Private Sub RadioButton8_CheckedChanged(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles RadioButton8.CheckedChanged
        lblMonthSelect1.Text = "February"
    End Sub

    Private Sub RadioButton9_CheckedChanged(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles RadioButton9.CheckedChanged
        lblMonthSelect1.Text = "March"
    End Sub

    Private Sub RadioButton10_CheckedChanged(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles RadioButton10.CheckedChanged
        lblMonthSelect1.Text = "April"
```

```
    End Sub

    Private Sub RadioButton11_CheckedChanged(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles RadioButton11.CheckedChanged
        lblMonthSelect1.Text = "May"
    End Sub

    Private Sub RadioButton12_CheckedChanged(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles RadioButton12.CheckedChanged
        lblMonthSelect1.Text = "June"
    End Sub

    Private Sub btnPayFee1_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnPayFee1.Click
        DA = New OleDbDataAdapter("Select * from Monthly where MMonth= '" &
lblMonthSelect1.Text & "'and RollNo='" & lblRollNo1.Text & "'", connection)
        DS = New DataSet("Check")
        DA.Fill(DS, "Check")
        If DS.Tables("Check").Rows.Count = 1 Then
            MsgBox("Already Paid in the selected month")
        ElseIf cmbAcademicYear1.Text = "" Then
            MsgBox("Please Select the Academic Year")
        ElseIf cmbCourse1.Text = "" Then
            MsgBox("Please select the course")
        ElseIf cmbYear1.Text = "" Then
            MsgBox("Plese select the Year")
        ElseIf cmbStudent1.Text = "" Then
            MsgBox("Please select the name")
        ElseIf RadioButton1.Checked = False And RadioButton2.Checked = False And
RadioButton3.Checked = False And RadioButton4.Checked = False And
RadioButton5.Checked = False And RadioButton6.Checked = False And
RadioButton7.Checked = False And RadioButton8.Checked = False And
RadioButton9.Checked = False And RadioButton10.Checked = False And
RadioButton11.Checked = False And RadioButton12.Checked = False Then
            MsgBox("Please click on the monthly fee to be paid")
        Else
            connection.Open()
            command1 = New OleDbCommand("Insert into Monthly
(RollNo,MMonth,MDate,Amount) values('" & lblRollNo1.Text & "' , '" &
lblMonthSelect1.Text & "','" & DateTimePicker1.Text & "'  , '" & txtTotal1.Text & "') ",
connection)
            command1.ExecuteNonQuery()
            MsgBox("Fee Successfully Paid")
            connection.Close()
            Refresh3()
        End If
```

```
End Sub

Private Sub btnCancel1_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnDeleteFee1.Click
    If lblinvisible1.Text = "" Then
        MessageBox.Show("Please Choose the data you want to delete", "Notification")
    ElseIf MessageBox.Show("Are you sure you want to delete the selected data?", "Alert",
MessageBoxButtons.OKCancel, MessageBoxIcon.Hand) = DialogResult.OK Then
        connection.Open()
        command1 = New OleDbCommand(" delete * from Monthly where PaymentID = " &
lblinvisible1.Text & " ", connection)
        command1.ExecuteNonQuery()
        connection.Close()
        MsgBox("Deleted!!")
        Refresh3()
    Else
    End If
End Sub
```

6.6 Register, Update, Delete Student Code

```
Sub refresh1()
    DA = New OleDbDataAdapter("Select * from Register order by course", connection)
    DS = New DataSet("Dir")
    DA.Fill(DS, "Dir")
    DataGridView3.DataMember = "Dir"
    DataGridView3.DataSource = DS
End Sub

Sub clear()
    txtRollNo3.Text = ""
    txtContact3.Text = ""
    txtFatherName3.Text = ""
    txtLocality3.Text = ""
    txtName3.Text = ""
    cmbYear3.Text = ""
    cmbcourse3.Text = ""
End Sub

Private Sub btnSave3_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles btnSave3.Click
    If cmbAcademicYear3.Text = "" Then
        MsgBox("Provode Academic Year")
    ElseIf txtRollNo3.Text = "" Then
```

```
            MsgBox("Provide Roll Number")
        ElseIf txtFatherName3.Text = "" Then
            MsgBox("Provide Father name")
        ElseIf txtName3.Text = "" Then
            MsgBox("Provide Name")
        ElseIf txtLocality3.Text = "" Then
            MsgBox("Provide Locality")
        ElseIf cmbcourse3.Text = "" Then
            MsgBox("Provide Course")
        ElseIf cmbYear3.Text = "" Then
            MsgBox("Provide Year")
        Else
            connection.Open()
            DA = New OleDbDataAdapter("Select * from Register where RollNo='" &
txtRollNo3.Text & "'", connection)
            DS = New DataSet("Dir")
            DA.Fill(DS, "Dir")
            If DS.Tables("Dir").Rows.Count = 1 Then
                MsgBox("Cannot have the same roll number, Please choose another roll no")
            Else
                command1 = New OleDbCommand(" Insert into Register values( '" &
txtRollNo3.Text & "', '" & txtName3.Text & "', '" & txtFatherName3.Text & "', '" &
txtLocality3.Text & "', '" & txtContact3.Text & "', '" & cmbcourse3.Text & "', '" &
cmbYear3.Text & "', '" & cmbAcademicYear3.Text & "')", connection)
                command1.ExecuteNonQuery()
                MessageBox.Show("Saved Successfully")
                DA = New OleDbDataAdapter("Select * from Register where AcademicYear='" &
cmbAcademicYear3.Text & "' and Course='" & cmbcourse3.Text & "' and RYear= '" &
cmbYear3.Text & " '", connection)
                DS = New DataSet("Dir")
                DA.Fill(DS, "Dir")
                DataGridView3.DataMember = "Dir"
                DataGridView3.DataSource = DS
                connection.Close()
                txtContact3.Text = ""
                txtFatherName3.Text = ""
                txtLocality3.Text = ""
                txtName3.Text = ""
                txtRollNo3.Text = ""
            End If
        End If
    End Sub

    Private Sub btnSearch3_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnSearch3.Click
```

```
        DA = New OleDbDataAdapter("Select * from Register where RollNo like '%" &
txtRollNo3.Text & "%' and Name like '%" & txtName3.Text & "%' and AcademicYear like '%"
& cmbAcademicYear3.Text & "%' and FatherName like '%" & txtFatherName3.Text & "%'
and Locality like '%" & txtLocality3.Text & "%' and Contact like '%" & txtContact3.Text & "%'
and Course like '%" & cmbcourse3.Text & "%' and RYear like '%" & cmbYear3.Text & "%'",
connection)
        DS = New DataSet("Dir")
        DA.Fill(DS, "Dir")
        DataGridView3.DataSource = DS
        DataGridView3.DataMember = "Dir"
    End Sub

    Private Sub btnUpdate3_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnUpdate3.Click
        If txtRollNo3.Text = "" Then
            MsgBox("Please provide Roll No")
        Else
            command1 = New OleDbCommand("Update Register set Name= '" & txtName3.Text
& "', FatherName='" & txtFatherName3.Text & "', Locality= '" & txtLocality3.Text & "',
Contact= '" & txtContact3.Text & "', Course= '" & cmbcourse3.Text & "', RYear= '" &
cmbYear3.Text & "' where RollNo= '" & txtRollNo3.Text & "' ", connection)
            connection.Open()
            command1.ExecuteNonQuery()
            connection.Close()
            MsgBox("Update Successfully")

            DA = New OleDbDataAdapter("Select * from Register where AcademicYear='" &
cmbAcademicYear3.Text & "' and Course='" & cmbcourse3.Text & "' and RYear= '" &
cmbYear3.Text & " '", connection)
            DS = New DataSet("Dir")
            DA.Fill(DS, "Dir")
            DataGridView3.DataMember = "Dir"
            DataGridView3.DataSource = DS
        End If
        clear()
    End Sub

    Private Sub btnDelete3_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnDelete3.Click
        If txtRollNo3.Text = "" Then
            MsgBox("Please provide Roll No")
        ElseIf MessageBox.Show("Are you sure you want to delete the student's Information.",
"Notification", MessageBoxButtons.OKCancel, MessageBoxIcon.Exclamation,
MessageBoxDefaultButton.Button2) = DialogResult.OK Then
            command1 = New OleDbCommand("Delete from register where RollNo='" &
txtRollNo3.Text & "'", connection)
```

```
            connection.Open()
            command1.ExecuteNonQuery()
            connection.Close()
            MsgBox("File has been deleted")
            DA = New OleDbDataAdapter("Select * from Register where AcademicYear='" &
cmbAcademicYear3.Text & "' and Course='" & cmbcourse3.Text & "' and RYear= '" &
cmbYear3.Text & " '", connection)
            DS = New DataSet("Dir")
            DA.Fill(DS, "Dir")
            DataGridView3.DataMember = "Dir"
            DataGridView3.DataSource = DS
        End If
    End Sub


    Private Sub btnCancel3_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnCancel3.Click
        clear()
    End Sub

    Private Sub txtContact3_KeyPress(ByVal sender As Object, ByVal e As
System.Windows.Forms.KeyPressEventArgs) Handles txtContact3.KeyPress
        If Char.IsDigit(e.KeyChar) = False And Char.IsControl(e.KeyChar) = False Then
            e.Handled = True
        End If
    End Sub

    Private Sub DataGridView3_CellContentClick(ByVal sender As System.Object, ByVal e As
System.Windows.Forms.DataGridViewCellEventArgs) Handles DataGridView3.CellClick
        Me.BindingContext(DS.Tables(0)).Position = DataGridView3.CurrentCell.RowIndex
        txtContact3.DataBindings.Add("text", DS.Tables(0), "Contact")
        txtFatherName3.DataBindings.Add("text", DS.Tables(0), "FatherName")
        txtLocality3.DataBindings.Add("text", DS.Tables(0), "Locality")
        txtName3.DataBindings.Add("text", DS.Tables(0), "Name")
        txtRollNo3.DataBindings.Add("text", DS.Tables(0), "RollNo")
        cmbYear3.DataBindings.Add("text", DS.Tables(0), "RYear")
        cmbcourse3.DataBindings.Add("text", DS.Tables(0), "Course")
        txtContact3.DataBindings.Clear()
        txtFatherName3.DataBindings.Clear()
        txtLocality3.DataBindings.Clear()
        txtName3.DataBindings.Clear()
        txtRollNo3.DataBindings.Clear()
        cmbYear3.DataBindings.Clear()
        cmbcourse3.DataBindings.Clear()
    End Sub
```

```
    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles Button1.Click
        If Button1.Text = "Open Edit Fee Details" Then
            Panel1.Height = 133
            Button1.Text = "Close Edit Fee Details"
        ElseIf Button1.Text = "Close Edit Fee Details" Then
            Panel1.Height = 1
            Button1.Text = "Open Edit Fee Details"
        End If
    End Sub

    Private Sub Button3_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles Button3.Click
        connection.Open()
        command1 = New OleDbCommand(" update Fee set [Residence Management and
Service Fee]='" & TextBox1.Text & "', [Welfare fee]='" & TextBox2.Text & "' where
replace='replace'", connection)
        command1.ExecuteNonQuery()
        MsgBox("Saved Successfully")
        connection.Close()
        command1 = New OleDbCommand("Select [Residence Management and Service Fee]
from Fee", connection)
        command2 = New OleDbCommand("Select [Welfare Fee] from fee", connection)
        connection.Open()

        Dim A As Integer = command1.ExecuteScalar
        Dim B As Integer = command2.ExecuteScalar
        txtResedenceManagementFee1.Text = A
        txtWelfareFee1.Text = B
        txtTotal1.Text = A + B
        lblNewTotalFee.Text = A + B
        lblAmount.Text = txtTotal1.Text
        connection.Close()
    End Sub
```

6.7 View Tab Code

```
Private Sub btnFindView_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnFindView.Click
        DA = New OleDbDataAdapter("Select * from FView where AcademicYear like '%" &
cmbAcademicYear2.Text & "%' and Course like '%" & cmbCourse2.Text & "%' and RYear like
'%" & cmbYear2.Text & "%' and MMonth like '%" & cmbMonth2.Text & "%'", connection)
        DS = New DataSet("Dir")
        DA.Fill(DS, "Dir")
```

```
        DataGridView2.DataSource = DS
        DataGridView2.DataMember = "Dir"
    End Sub


    Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles Button2.Click
        cmbAcademicYear2.Text = ""
        cmbMonth2.Text = ""
        cmbYear2.Text = ""
        cmbCourse2.Text = ""
       DA = New OleDbDataAdapter("Select * from register where AcademicYear like '%" &
cmbViewAcademicYear.Text & "%' and Ryear like '%" & cmbviewYear.Text & "%' and Course
like '%" & cmbviewCourse.Text & "%' and RollNo NOT in (select distinct([RollNo]) from
FView where RollNo in (select RollNo from FView where MMonth= '" & cmbviewMonth.Text
& "' and Course='" & cmbviewCourse.Text & "' and RYear like '%" & cmbviewYear.Text & "%'
))", connection)
        DS = New DataSet("Dir")
        DA.Fill(DS, "Dir")
        DataGridView2.DataSource = DS
        DataGridView2.DataMember = "Dir"

    End Sub



    Private Sub Button5_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles Button5.Click
        cmbviewCourse.Text = ""
        cmbviewMonth.Text = ""
        cmbviewYear.Text = ""
    End Sub

    Private Sub Button4_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles Button4.Click
        cmbAcademicYear2.Text = ""
        cmbCourse2.Text = ""
        cmbYear2.Text = ""
        cmbMonth2.Text = ""
    End Sub


    Private Sub Button7_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles Button7.Click
```

```
        If MessageBox.Show("Are you sure you want to Quit", "Attention",
MessageBoxButtons.YesNo, MessageBoxIcon.Information,
MessageBoxDefaultButton.Button2) = DialogResult.Yes Then
            LogIn.Close()
            Me.Close()
            Reset.Close()
        Else
            Me.Show()
        End If
    End Sub

    Private Sub Button8_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles Button8.Click

        If MessageBox.Show("Are you sure you want to Quit", "Attention",
MessageBoxButtons.YesNo, MessageBoxIcon.Information,
MessageBoxDefaultButton.Button2) = DialogResult.Yes Then
            LogIn.Close()
            Me.Close()
            Reset.Close()
        Else
            Me.Show()
        End If
    End Sub

    Private Sub Button6_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles Button6.Click
        If MessageBox.Show("Are you sure you want to Quit", "Attention",
MessageBoxButtons.YesNo, MessageBoxIcon.Information,
MessageBoxDefaultButton.Button2) = DialogResult.Yes Then
            LogIn.Close()
            Me.Close()
            Reset.Close()
        Else
            Me.Show()
        End If
    End Sub

    Private Sub Button10_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles Button10.Click
        Me.Hide()
        LogIn.Show()
        LogIn.txtUserName.Text = ""
        LogIn.txtPassword.Text = ""
    End Sub
```

```
    Private Sub Button11_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles Button11.Click
        Me.Hide()
        LogIn.Show()
        LogIn.txtUserName.Text = ""
        LogIn.txtPassword.Text = ""
    End Sub

    Private Sub Button9_Click_1(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button9.Click
        Me.Hide()
        LogIn.Show()
        LogIn.txtUserName.Text = ""
        LogIn.txtPassword.Text = ""
    End Sub

    Private Sub TextBox3_TextChanged(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles TextBox3.TextChanged

    End Sub

    Private Sub Button16_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles Button16.Click
        If Button16.Text = "Open Advance Search" Then
            Panel3.Width = 1
            Button16.Text = "Close Advance Search"
        ElseIf Button16.Text = "Close Advance Search" Then
            Panel3.Width = 470
            Button16.Text = "Open Advance Search"
        End If
    End Sub

    Private Sub Button13_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles Button13.Click
        If MessageBox.Show("Are you sure you want to Quit", "Attention",
MessageBoxButtons.YesNo, MessageBoxIcon.Information,
MessageBoxDefaultButton.Button2) = DialogResult.Yes Then
            LogIn.Close()
            Me.Close()
            Reset.Close()
        Else
            Me.Show()
        End If
    End Sub
```

```
    Private Sub Button15_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles Button15.Click
        If MessageBox.Show("Are you sure you want to Quit", "Attention",
MessageBoxButtons.YesNo, MessageBoxIcon.Information,
MessageBoxDefaultButton.Button2) = DialogResult.Yes Then
            LogIn.Close()
            Me.Close()
            Reset.Close()
        Else
            Me.Show()
        End If
    End Sub

    Private Sub Button14_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles Button14.Click
        Me.Hide()
        LogIn.Show()
        LogIn.txtUserName.Text = ""
        LogIn.txtPassword.Text = ""
    End Sub

    Private Sub Button12_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles Button12.Click
        Me.Hide()
        LogIn.Show()
        LogIn.txtUserName.Text = ""
        LogIn.txtPassword.Text = ""
    End Sub
End Class
```

7. Future Enhancement

CONTENTS

7.1 Future implementation and advantages

As the Monthly Fee payment is not the only payment made in the institution, other payment options such as instalment fee payment for different departments can be included. Also, as the software can manage few data and a large number of data in almost the same speed, it will become more and more useful in the future as the institution will grow larger and larger.

Also, since due to insufficient time and lack of resources, the print option and extract option (such as extract to Microsoft word or Excel) cannot be included now, but as this mini project is designed with the view of future implementation and enhancement as it is an application that would not be outdated easily even in the future days to come.

7.2 Upgrades

The software used to develop this mini project can be enhanced better and the database can be enlarged to create bigger and more reliable application. As it is only a mini project, it has many lacking in the field of database design and overall activity done in managing the accounting requirements. The software could also be made secure and safe to use in terms of security and protection.

8. Limitations of the Project

8.1 Limitation of the Project

This project is undertaken with careful analysis to meet the given criteria of this mini project. Corrective measures have been taken. But our insufficiency of knowledge, skill and experience, this mini project definitely has its own limitations and drawbacks. It definitely cannot have a wide scope as found in other big projects undertaken. It is primarily a compilation of only what information we thought would be relevant to satisfy the basic requirements of the project. First and foremost, as the name implies, it is a mini-project and therefore it cannot include all the important criteria for the normal payment system.

9 . CONCLUSION

This mini project work is the compilations of our ideas, views and thoughts. In doing this mini project and in the development of our thoughts and ideas, we have benefited a great deal from our interaction with our teachers and friends. We extend our sincere thanks to them.

We are deeply conscious of the fact that this mini project would neither have been undertaken nor pursued and completed but for the tremendous support we received from Mr. R. Vanlalawmpuia, our project guide, who undertook all the responsibilities ungrudgingly during this mini project work and encouraged in the preparation of this work.

We would also like to place on record our sincere thanks and gratitude to our principal, Dr. Rema Chhakchhuak, for extending his full support and contentment to this mini project undertaken.

Mr. Lalrokhawma, Librarian, HATIM, made available all facilities for collection of data from published sources and was prompt enough to bring our notice the relevant literature on the subject. Our thanks to him.

Our heartfelt gratitude goes to Mr. Joseph. Lalhunmawia, Head of Department, whose timely help and support contributed to the completion of this mini project.

This mini project is done and presented in such a way that it can be understandable. Our firm conviction emboldened us to embark upon this mini project work. This is a very painstaking work, however, we tried our best to satisfy the needs of this mini project. With much efforts this mini project has come into being even though we are conscious of our limited knowledge and skill. But it would be our request that this mini project we have undertaken, be dealt with much consideration and acknowledgement.

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