



UNIVERSITI
TEKNOLOGI
PETRONAS

CENTRE FOR FOUNDATION STUDIES

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FBB0025 INTRODUCTION TO BUSINESS INFORMATION SYSTEM

OMC REPORT

Prepared by

LUMINA

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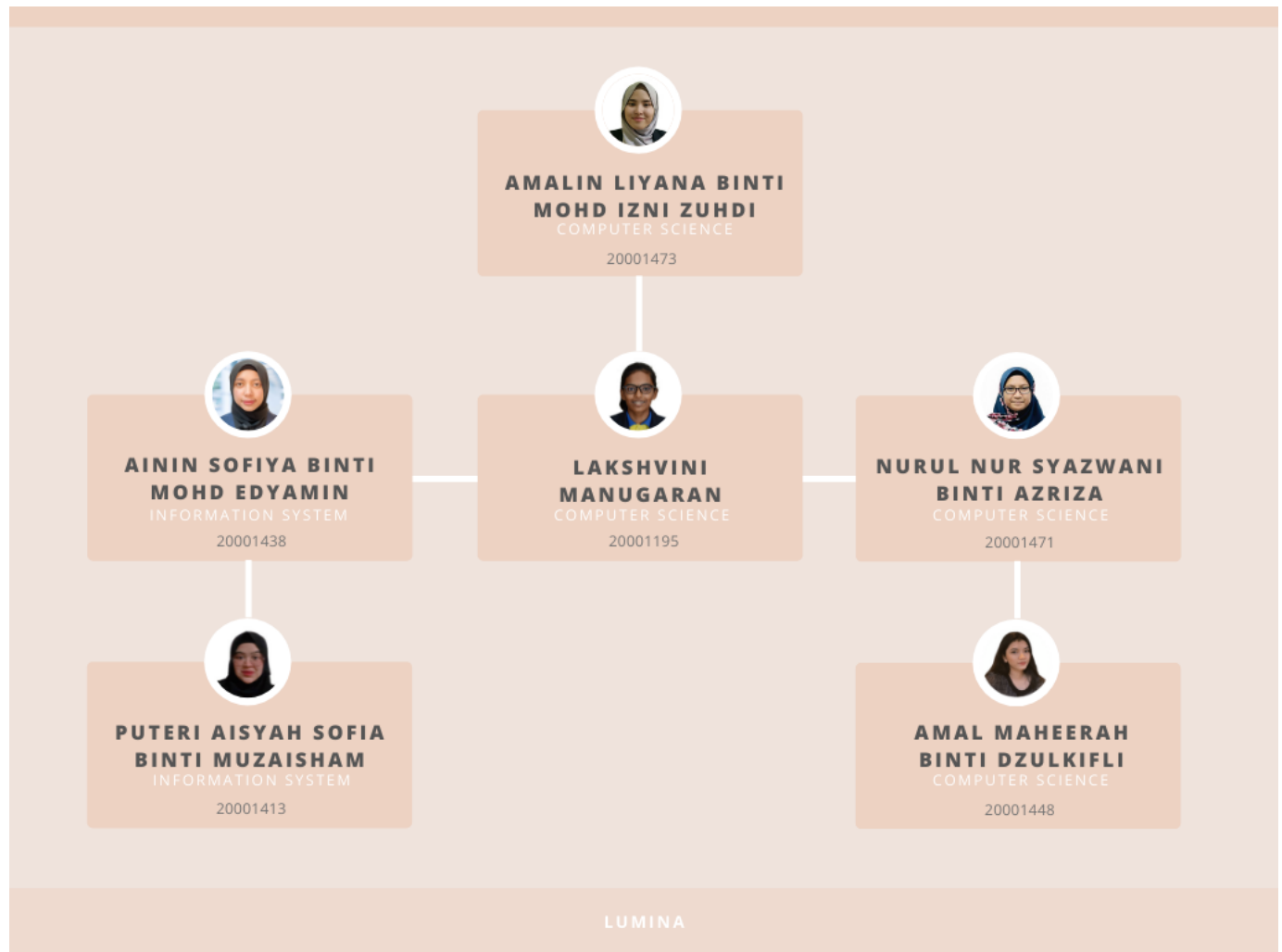
GROUP NAME & LOGO

Group Name: LUMINA



Figure 1.1: LUMINA Logo

ORGANIZATION CHART



PROJECT DESCRIPTION

I. Background of Study

Sustainable Development Goals: No Poverty

Our group intends to cater to the first Sustainable Development Goals (SDG), Goal 1, No Poverty. Looking from the perspective of India and China, their rapid economic growth has lifted millions of people out of poverty. However, there are a total of 736 million people still living on less than US\$1.90 as of 2015. This is equivalent to RM7.85 in Malaysia. According to Oxfam, the global movement of people who work together to end the injustice of poverty, the crisis could force half a billion people back into poverty. The No Poverty goal is the bedrock of the SDG Goals. The goal has become even more difficult to achieve due to the deadly pandemic, yet it also gives us a chance to completely revolutionise the development.

From the perspective of Malaysia, many charities, fundraising activities, and non-profit organisations (NGOs) have been seriously impacted due to strict standard operating procedure (SOP), financial instability, and economic downturn. The announcement of the Movement Control Order (MCO) makes it more difficult for Malaysians to volunteer and help others who are in desperate need during the pandemic. However, this does not rule out the possibility of extending a helping hand. Therefore, a system which can become the platform where fundraisers can manage their fundraising efforts in online mode, while normal users can buy stuff to donate, needs to be built. We hope to ease the fundraising activities to ensure that everyone can survive during these tough times both economically and mentally.

II. Problem Statement

- i) Limited fundraising efforts due to strict SOPs
- ii) Lack awareness on trusted fundraising organisations
- iii) Low reachability for small fundraising organisations

III. Objective

- i) To provide a convenient and smooth online donating system where the donor can easily donate to the people in need
- ii) To develop the most efficient online donating system and provide the fastest payment for the donee
- iii) To provide an alternative platform for the unfortunate people to receive donations during the pandemic Covid-19

IV. Business Idea

Details of proposed product / service

This system sells groceries as well as a variety of other products, such as pens, clothing, and so on. Users can purchase the things they want to donate from the website, then by simply entering the address of the location or house to which they wish to donate. The payment will be made via an online transaction, and all of the user's selected things will be passed directly to the address that they have entered into the system. This system also can give suggestions on where users can donate, such as places in Malaysia that really need this support. Our purpose is to aid those in need. People's contributions have the potential to make a significant difference in this world. This will also have an impact on society and how people view this world. We also want to encourage more donations and strengthen the people in need of health support and will to live. More people means more employees in various sectors, more economic growth, more taxpayers and more funding. Providing assistance to people in need, particularly those who are placed with natural disasters, catastrophe, hunger, disease, poverty and orphans are all very good deeds, it's about giving without expecting anything in return. Helping others can create the feeling of happiness, calm, peace and purposefulness.

PROJECT ANALYSIS (SWOT ANALYSIS)

Strength

a) First Mover Advantages

Lumina is a business platform where it can help to connect the donator with the giver in a convenient way. In other words, it helps the donator to get the essential needs to give to the needy people. Since everyone can't go out very often, Lumina still provides a service for the privileged people to help as much as they can in order to reduce poverty.

Weakness

a) System Errors

Since our app is still new in the market, it still needs more improvement in order to ensure the stability of the app because of the inability to find out alternative strategies for risk Management and the inefficiency in addressing alternative platforms for fundraising programs at the initial stage.

Opportunities

a) Grow in The Market

The ability of the company to start programming on social media platforms for arranging to fundraise can be a great opportunity for the company in future because nowadays, people tend to buy anything on the online platform. Despite Covid-19, there is still an improving trend in the Malaysian economy even after the Movement Control Order.

Threats

a) Threat of Pandemic

Announcement of Movement Control Order is still a threat for the group and strict principles of controlling charitable and fundraising activities in Malaysia has become a threat for the company as well.

b) Threat in General

Most competitors have already started. Their experience has made their system more advanced than our system. This is mainly because they have more resources compared to our start-up application. Thus, it makes our application become less visible to users due to the amount of competitors out there.

Expected contributions to the society

Our proposed system is expected to provide contributions such as:

a) Help the people in need

Our platform provides a service for you to purchase the essential needs to give to the vulnerable and needy people. We serve as a medium for people who wish to donate and for people who need help. This way, both parties can fulfill their wants.

b) To end hunger among the community

Our system is expected to provide the community with easy access to foods to help each who is suffering in this situation. We provide wished products varying from food to essential items according to preferred address. Receiver don't need to come to a specific location, the goods will be delivered to them directly.

c) Solve the financial issues among the community

Due to the current situation, most of the NGOs are not able to cope up with it and go through financial problems so our system will help in supporting everyone who requires help either economically or mentally.

d) Suicide Prevention

Helping those who are vulnerable due to financial issues. The needy who don't have enough to fulfill their basic needs won't have to suffer from hunger. Our cash option will be beneficial for the needy to fulfill wants other than having products. They can pay rent, and etc.

e) Reduce poverty among communities

Our system is bringing sustainable development goals to achieve no poverty by helping the poor to feed up their stomach and have the right daily essentials to go through life. Hence, we can lift up some of their burden by reducing the amount of things they need to buy.

f) To reduce the number of deaths in the community

Our system helps others to survive in bad situations and prevent deaths caused. This is because our application helps people to reach out to those who are in need. In this case, people who are in need of daily essentials, food, and clothes, can be reached out.

g) Reduce the prevalence of malnutrition in society

Our platform will definitely help the poor to feed up their stomach and give them a boost in their both mental health and physical health. Donors can only choose to donate healthy and nutritious food available in our application.

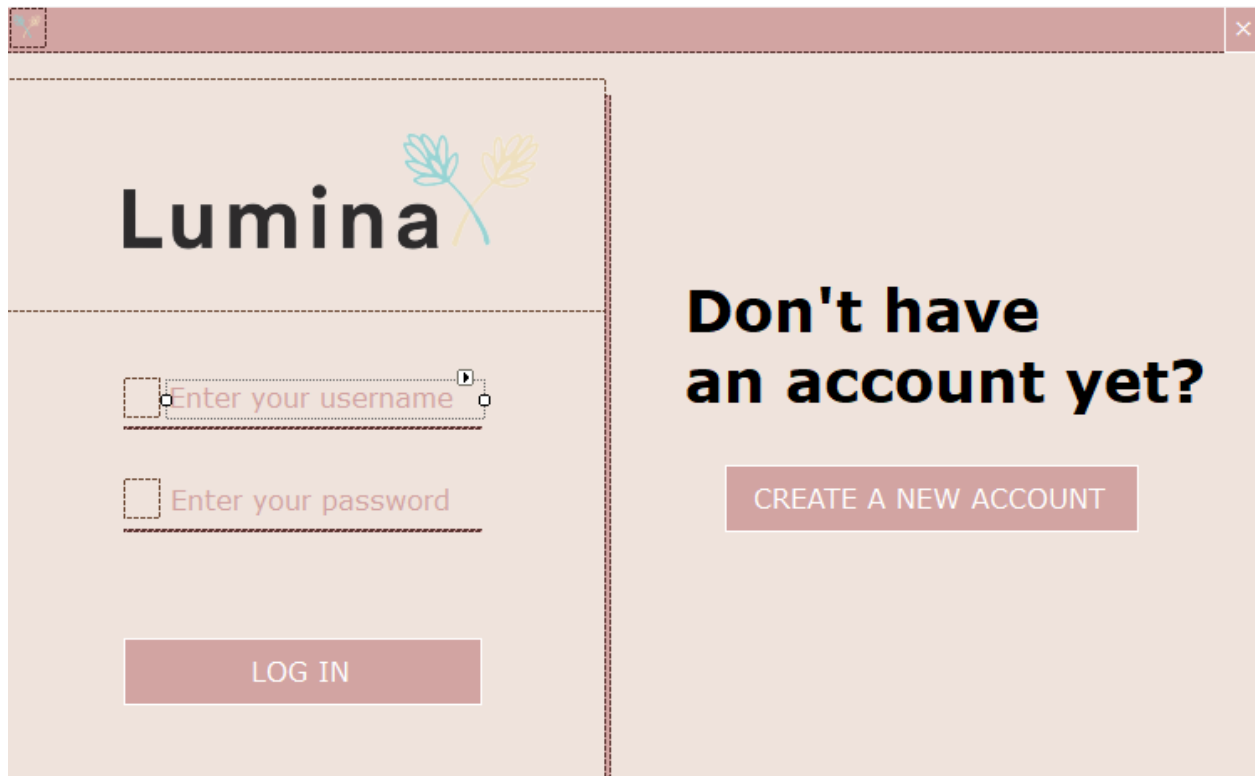
h) To reduce students' expenses

Our system is expected to provide stationeries to any students who cannot afford them to ensure that they have a conducive learning environment. In this case, students do not have to worry about financial matters and can focus more on study.

THE SOLUTION

I. System Interface or GUI

FORM1 - frmLogin



The image shows a login form for a system named 'Lumina'. The form is divided into two main sections. The left section contains the 'Lumina' logo at the top, followed by two input fields: 'Enter your username' and 'Enter your password'. Below these fields is a 'LOG IN' button. The right section contains the text 'Don't have an account yet?' and a 'CREATE A NEW ACCOUNT' button. The form has a light beige background and a dark red header bar with a close button (X) in the top right corner.

Lumina

Enter your username


Enter your password

LOG IN

Don't have an account yet?

CREATE A NEW ACCOUNT

FORM2 - frmRegistration



REGISTER WITH US

Full Name*

Username*

Email

Mobile No.

Password*

Password Confirmation*

Gender*

☐ Male

☐ Female

☐ Others

Date of Birth*

Saturday , 3 July , 2021 ▾

CREATE ACCOUNT

USER SETTINGS

ABOUT US

DONATE SUGGESTION

DONATE NOW

HOMEPAGE

Lumina

DONATION UPDATE

Haris Imran has donated to Shah Alam Clothes Drive 2021
Syazwani has donated to Kota Kinabalu Back-To-School C
Ryan Iskandar has donated to Kluang Orphanage Centre
Laksh has donated to Seremban Orang Asli Club
Sofia has donated to Teluk Intan Food Drive 2021
Abdullah Choo has donated to Aman Jaya Charity Event
Patrick has donated to Penang Church
Harissa has donated to Shah Alam Clothes Drive 2021
Elyana has donated to Book Drop Charity II
Azfar has donated to Book Drop Charity II

WORTH VALUE >>

- RM30
- RM500
- RM150
- RM80
- RM1050
- RM800
- RM580
- RM300
- RM60
- RM28

TOTAL

Bounty always receives part of its value from the manner in which it is bestowed

YOUR DONATION CHANGES SOMEONE'S LIFE!

I have never been happier since I received those love from the food

- Aisyah Abdullah -

THANK YOUUUU! The donation really changed my life. I have never been happier!

- Qirtana Devi -

Never thought how big a donation can brings to your life. Thank you so much :)

- Adam Raymond -

[illegible]

Form5 - frmDonateSuggestion

USER SETTINGS

ABOUT US


DONATE SUGGESTION

DONATE NOW

HOMEPAGE

WHERE SHOULD I DONATE?

Date Time




Shah Alam Clothes Drive
2021

Selangor

Shah Alam Clothes Drive 2021

SELANGOR

DONATE




Teluk Intan Food Drive
2021

Perak

Teluk Intan Food Drive 2021

PERAK

DONATE



Book Drop Charity
II

Negeri Sembilan

Book Drop Charity II

NEGERI SEMBILAN

DONATE



Kota Kinabalu Back-To-School Charity

Sabah

Kota Kinabalu Back-To-School Charity

SABAH

DONATE

Form6 - frmAboutUs

USER SETTINGSABOUT USDONATE SUGGESTIONDONATE NOWHOMEPAGE

ABOUT US

Date Time

Lumina



LUMINA is a platform where people can donate whenever and wherever they want.

We aim to give a helping hand to those that are vulnerable .

Our proposed system aims to provide contributions such as:

- a)Help the people in need.
Our platform provides a service for you to purchase the essential needs to give to the vulnerable and needy people.
- b)To end hunger among community.

LET'S KEEP IN TOUCH!



Form7 - frmProfile

USER SETTINGS

ABOUT US

DONATE SUGGESTION

DONATE NOW

HOMEPAGE



UPLOAD

SAVE

PROFILE

03 JUL 2021 06:05 PM

NAME

NUR AMIRAH ZULAIKHA BINTI AHMAD ARSYAD

EMAIL

AMIRAH_2002@GMAIL.COM

MOBILE NUMBER

0173627352

GENDER

☐ MALE ☒ FEMALE ☐ OTHERS

USERNAME

AMIRAZUL01

PASSWORD

DATE OF BIRTH

Saturday , 3 July , 2021

EDIT

Form8 - frmBankAcc[illegible]

Form9 - frmPayment

×

PAYMENT

(* FIELD IS REQUIRED)

Account Holder Name*

Enter account holder name

Bank Name*

Enter bank name*

Account Number*

Enter account number

CVV*

CVV

TAC*

TAC

Transaction Method*

MasterCard

VISA

Account Type*

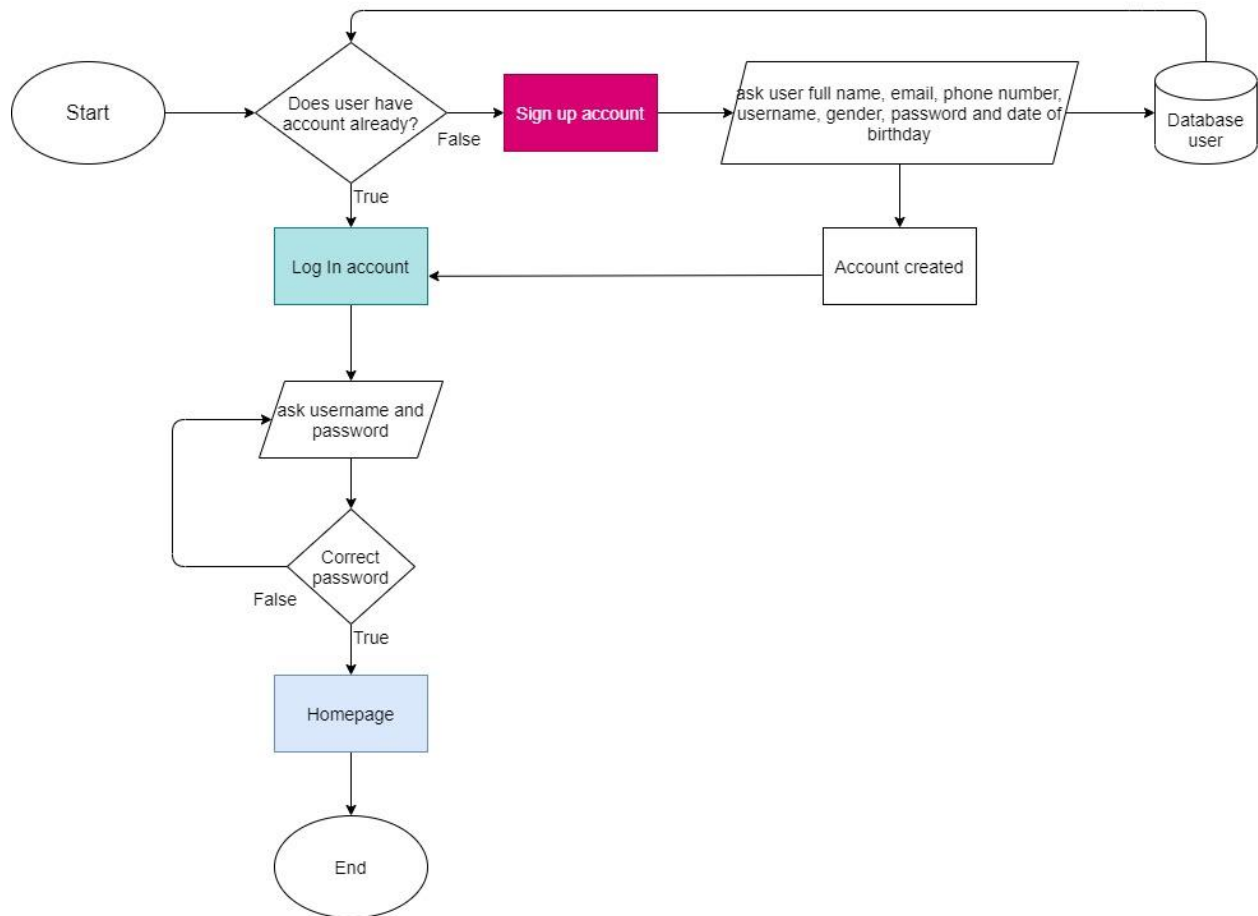
Account Expiry Date*

__/__/__

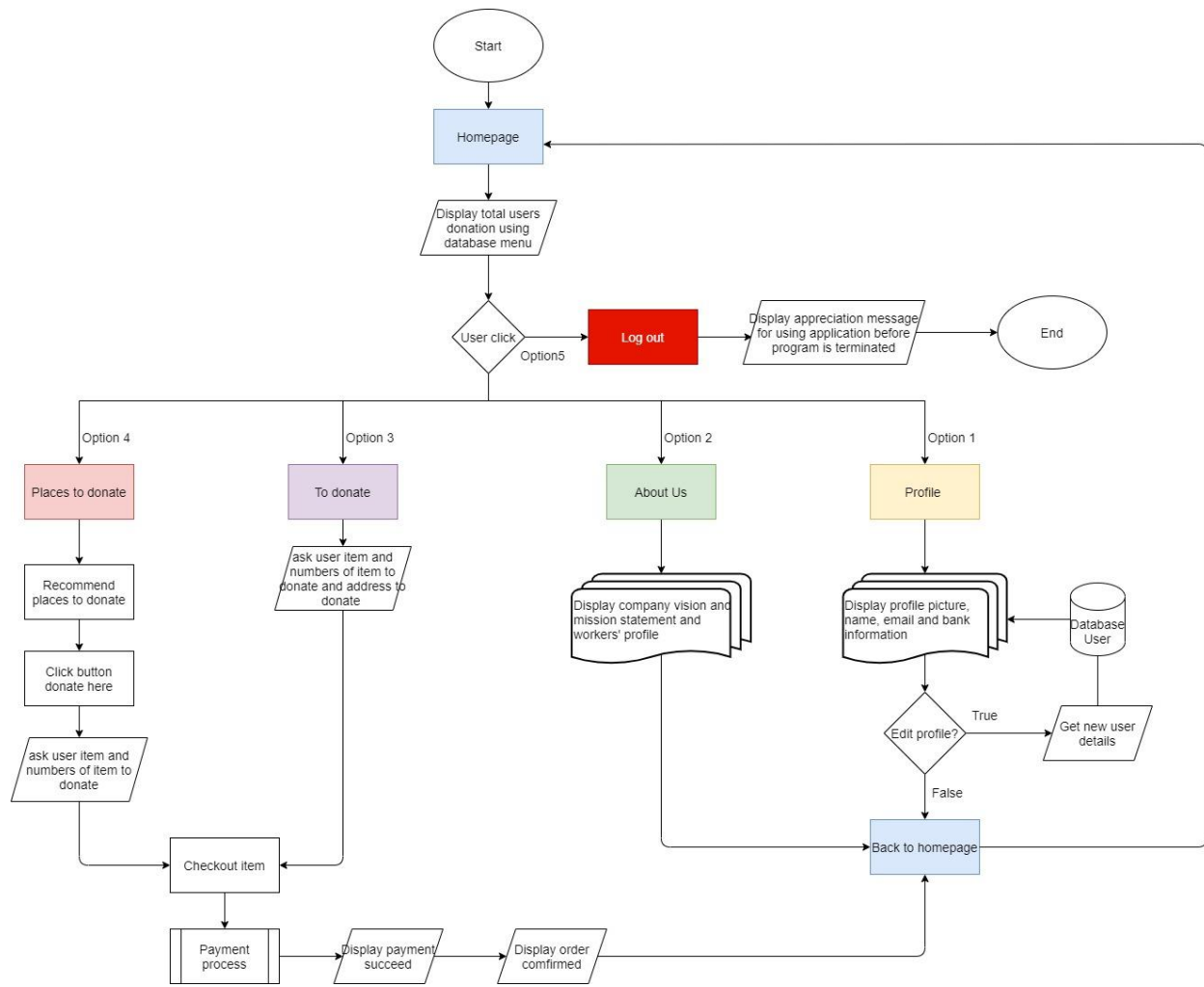
PAY

II. System Flowchart

Login Interface Flowchart



Homepage and Menubar Flowchart



III. System Visual Basic Codes

FORM 1-frmLogin

```
Imports System.Data.OleDb
```

```
Public Class frmLogIn
```

```
    Private Sub btnExit_Click(sender As Object, e As EventArgs) Handles btnExit.Click  
        Me.Close()  
    End Sub
```

```
    Private Sub btnCreate_Click(sender As Object, e As EventArgs) Handles btnCreate.Click  
        'show form to register  
  
        Me.Hide()  
  
        frmRegister.Show()  
    End Sub
```

```
    Private Sub btnLogIn_Click(sender As Object, e As EventArgs) Handles btnLogIn.Click  
        'declare variable  
  
        Dim username, pass As String  
  
        username = txtUsername.Text  
  
        pass = txtPassword.Text
```

```
        Dim con As New OleDbConnection("Provider = Microsoft.Jet.OLEDB.4.0;Data  
Source=C:\Users\ainin\Downloads\LuminaUser.mdb")
```

```
        ' to check user available or not using the command
```

```
        Dim command As OleDbCommand = New OleDbCommand("SELECT [Username],[Password] FROM  
UserData WHERE Username = '" & username & "'AND Password='" & pass & "'", con)
```

```
        If username = Nothing Or pass = Nothing Then
```

```
            MsgBox("Please enter details", MsgBoxStyle.OkOnly + MessageBoxIcon.Error,  
"ERROR")
```

```
        Exit Sub
```

```

End If

'check connection status

If con.State = ConnectionState.Closed Then

    con.Open()

End If

Dim sdr As OleDbDataReader = command.ExecuteReader()

'to check if the input key in true or not

If (sdr.Read() = True) Then

    username = sdr("Username")

    pass = sdr("Password")

    MsgBox("Login Successfully", MsgBoxStyle.Information, "Login")

    MsgBox("Welcome to Lumina", 0, "LUMINA")

    Me.Hide()

    frmHomepage.Show()

Else

    MsgBox("Invalid username or password.Please try again",
    MessageBoxIcon.Error, "ERROR")

    'clear textboxes

    txtUsername.Clear()

    txtPassword.Clear()

End If

con.Close() 'close connection

End Sub

End Class

```

FORM2-frmRegistration

Imports System.Data.OleDb

Public Class frmRegister

Private Sub btnExit_Click(sender As Object, e As EventArgs) Handles btnExit.Click

Me.Close()

frmLogIn.Show()

End Sub

Private Sub btnCreate_Click(sender As Object, e As EventArgs) Handles btnCreate.Click

'declare variables

Dim fullName, username, email, phone, pass, passCon, birthdate As String

'convert input from text boxes to string data type

fullName = CStr(txtFullName.Text)

username = CStr(txtUsername.Text)

email = CStr(txtEmail.Text)

phone = CStr(txtNoPhone.Text)

pass = CStr(txtPassword.Text)

passCon = CStr(txtPasswordConfirmation.Text)

birthdate = CStr(Me.dtpDOB.Value)

Dim con As New OleDbConnection("Provider=Microsoft.Jet.OLEDB.4.0;Data
Source=C:\Users\ainin\Downloads\LuminaUser.mdb")

Dim command As OleDbCommand = New OleDbCommand("Insert into UserData([Full
Name],[Username],[Email],[Phone],[Birthdate],[Password]) values ('" & fullName & "','" &
username & "','" & email & "','" & phone & "','" & birthdate & "','" & pass & "')", con)

If fullName = "" Or username = "" Or email = "" Or phone = "" Or pass = "" Or
passCon = "" Then 'to display error message if user leaves the textboxes empty

```
MsgBox("Please complete the details", MsgBoxStyle.Critical, "ERROR") 'pop  
message to ask the user to complete details
```

```
ElseIf pass <> passCon Then
```

```
MsgBox("Please recheck your password", MsgBoxStyle.Critical, "ERROR") 'ask  
user to check their password
```

```
Else
```

```
con.Open()
```

```
'save data from user in access database
```

```
command.Parameters.AddWithValue("Full Name", (txtFullName.Text))
```

```
command.Parameters.AddWithValue("Username", (txtUsername.Text))
```

```
command.Parameters.AddWithValue("Email", (txtEmail.Text))
```

```
command.Parameters.AddWithValue("Phone", (txtNoPhone.Text))
```

```
command.Parameters.AddWithValue("Birthdate", (Me.dtpDOB.Value))
```

```
command.Parameters.AddWithValue("Password", (txtPassword.Text))
```

```
MsgBox("You've successfully created an account!", MsgBoxStyle.Information,  
"LUMINA")
```

```
command.ExecuteNonQuery()
```

```
command.Dispose()
```

```
con.Close()
```

```
Me.Hide()
```

```
frmLogIn.Show()
```

```
End If
```

```
End Sub
```



```
Private Sub txtPassword_Leave(sender As Object, e As EventArgs) Handles  
txtPassword.Leave
```

```
'declare variable
```

```
Dim pass As String
```

```
pass = txtPassword.Text
```

```
If pass.Length < 4 Then
```

```
End If
```

```
MsgBox("Please make sure your password has 4 or more characters",  
MessageBoxIcon.Error, "ERROR")
```

```
End Sub
```

```
Private Sub txtUsername_TextChanged(sender As Object, e As EventArgs) Handles  
txtUsername.TextChanged
```

```
'declare variables
```

```
Dim username As String
```

```
username = txtUsername.Text
```

```
Dim con As New OleDbConnection("Provider=Microsoft.Jet.OLEDB.4.0;Data  
Source=C:\Users\ainin\Downloads\LuminaUser.mdb")
```

```
Dim command As OleDbCommand = New OleDbCommand("SELECT Username FROM UserData  
WHERE Username = '" & username & "'", con)
```

```
con.Open()
```

'to show whether the username has already been registered in the database

```
Dim myread As OleDbDataReader = command.ExecuteReader()
```

```
If myread.Read = True Then
```

```
    username = myread("Username")
```

```
    ErrorProviderUsername.SetError(txtUsername, "This username has already taken.  
Please re-enter your username")
```

```
Else
```

```
    ErrorProviderUsername.SetError(txtUsername, "")
```

```
End If
```

```
con.Close()
```

```
End Sub
```

```
Private Sub txtPasswordConfirmation_Leave(sender As Object, e As EventArgs) Handles  
txtPasswordConfirmation.Leave
```

'declare variables

```
Dim pass, passwordConfirm As String
```

```
pass = txtPassword.ToString
```

```
passwordConfirm = txtPasswordConfirmation.ToString
```

```
PassCheck(pass, passwordConfirm)
```

```
End Sub
```

```
Private Sub rdbMale_CheckedChanged(sender As Object, e As EventArgs) Handles  
rdbMale.CheckedChanged
```

```
'if the user gender is male
```

```
If rdbMale.Checked = True Then
```

```
    frmProfile.rdbMaleProfile.Checked = True 'display gender in radio in  
profile form
```

```
End If
```

```
End Sub
```

```
Private Sub rdbFemale_CheckedChanged(sender As Object, e As EventArgs) Handles  
rdbFemale.CheckedChanged
```

```
'if the user gender is female
```

```
If rdbFemale.Checked = True Then
```

```
    frmProfile.rdbFemaleProfile.Checked = True 'display gender in radio in  
profile form
```

```
End If
```

```
End Sub
```

```
Private Sub rdbOthers_CheckedChanged(sender As Object, e As EventArgs) Handles  
rdbOthers.CheckedChanged
```

```
'if the user gender is others
```

```
If rdbOthers.Checked = True Then
```

```
        frmProfile.rdbOthersProfile.Checked = True 'display gender in radio in  
profile form
```

```
    End If
```

```
End Sub
```

```
Private Sub txtNoPhone_Leave(sender As Object, e As EventArgs) Handles  
txtNoPhone.Leave
```

```
    'declare variables
```

```
    Dim phone As String
```

```
    phone = txtNoPhone.Text
```

```
    If phone.Length < 10 Then
```

```
        MsgBox("Phone number is too short.Please re-check your phone number",  
MessageBoxIcon.Error, "ERROR")
```

```
    End If
```

```
End Sub
```

```
Sub PassCheck(pass2, pass1)
```

```
    'to make sure both password are matched
```

```
    If pass2 <> pass1 Then
```

```
        lblMatchPass.Text = ("Password does not match. Please re-enter your  
password")
```

```
        lblMatchPass.ForeColor = Color.Red
```

```
    Else
```

```
        lblMatchPass.Text = ("Password match")
```

```
        lblMatchPass.ForeColor = Color.Green
```

```
    End If
```

```
End Sub
```

```
End Class
```

FORM3-frmHomepage

```
Public Class frmHomepage
```

```
    Private Sub btnExit_Click(sender As Object, e As EventArgs) Handles btnExit.Click
```

```
        Me.Close()
```

```
    End Sub
```

```
    Private Sub lstDonationWorth_MouseHover(sender As Object, e As EventArgs) Handles  
lstDonationWorth.MouseHover
```

```
        ' ^ the calculation will occur when user hover their mouse to lstDonationWorth
```

```
        CalcTotal(lstDonationWorth)
```

```
    End Sub
```

```
    Private Sub mnuLUMINA_ItemClicked(sender As Object, e As  
ToolStripItemClickedEventArgs) Handles mnuLUMINA.ItemClicked
```

```
    End Sub
```

```
    ' Hiding the current form and showing other forms by using form_name.Show()
```

```
    Friend Sub tlbDonate_Click(sender As Object, e As EventArgs) Handles tlbDonate.Click
```

```
        frmDonate.Show()
```

```
        Me.Hide()
```

```
    End Sub
```

```
Friend Sub tlbDonateSuggest_Click(sender As Object, e As EventArgs) Handles  
tlbDonateSuggest.Click
```

```
    frmDonateSuggest.Show()
```

```
    Me.Hide()
```

```
End Sub
```

```
Friend Sub tlbAbout_Click(sender As Object, e As EventArgs) Handles tlbAbout.Click
```

```
    frmAboutUs.Show()
```

```
    Me.Hide()
```

```
End Sub
```

```
Friend Sub tlbProfile_Click(sender As Object, e As EventArgs) Handles  
tlbProfile.Click
```

```
    frmProfile.Show()
```

```
    Me.Hide()
```

```
End Sub
```

```
Friend Sub tlbBank_Click(sender As Object, e As EventArgs) Handles tlbBank.Click
```

```
    frmBankAcc.Show()
```

```

Me.Hide()

End Sub

Function CalcTotal(lstDonation)

    ' summing up the amount donated in lstDonationWorth

    Dim sum As Double

    For i As Integer = 0 To lstDonation.Items.Count - 1

        sum += Cdbl(lstDonation.Items(i))

    Next

    ' display Total worth to label

    lblTotalWorth.Text = "RM" & sum.ToString

    Return sum

End Function

Friend Sub btnLogOut_Click(sender As Object, e As EventArgs) Handles btnLogOut.Click

    MsgBox("Thank you for using our application!", 0, "LUMINA")

    Me.Close()

End Sub

```



```
Private Sub lstDonationWorth_SelectedIndexChanged(sender As Object, e As EventArgs)  
Handles lstDonationWorth.SelectedIndexChanged
```

```
End Sub
```

```
End Class
```

FORM4 -frmDonate

```
Public Class frmDonate
```

```
    Friend Sub btnExit_Click(sender As Object, e As EventArgs) Handles btnExit.Click
```

```
        ' to exit
```

```
        MsgBox("Thank you for using our application!", 0, "LUMINA")
```

```
        Me.Close()
```

```
    End Sub
```

```
    Private Sub frmDonate_Load(sender As Object, e As EventArgs) Handles MyBase.Load
```

```
        tmrDateTime.Enabled = True
```

```
        frmBankAcc.lstBoxRecord.Items.Add("Items")
```

```
        frmBankAcc.lstBoxQuanDis.Items.Add("Quantity")
```

```
        frmBankAcc.lstBoxAdDisp.Items.Add("Address")
```

```
        'TODO: This line of code loads data into the 'Lumina4DataSet.Donation' table. You  
        can move, or remove it, as needed.
```

```
        Me.DonationTableAdapter.Fill(Me.Lumina4DataSet.Donation)
```

```
        'TODO: This line of code loads data into the 'Lumina4DataSet.Donation' table. You  
        can move, or remove it, as needed.
```

```
        Me.DonationTableAdapter.Fill(Me.Lumina4DataSet.Donation)
```

```
End Sub
```

```
Private Sub tmrDateTime_Tick(sender As Object, e As EventArgs) Handles  
tmrDateTime.Tick
```

```
    lblDateTime.Text = UCase(Date.Now.ToString("dd MMM yyyy   hh:mm tt"))
```

```
End Sub
```

```
Friend Sub BtnAdd_Click(sender As Object, e As EventArgs) Handles BtnAdd.Click
```

```
    ' enable groupbox after user click btnAdd
```

```
    TxtBoxItem.Enabled = True
```

```
    TxtBoxQuan.Enabled = True
```

```
    TxtBoxAddress.Enabled = True
```

```
    DonationBindingSource.AddNew()
```

```
End Sub
```

```
Private Sub BtnDelete_Click(sender As Object, e As EventArgs) Handles BtnDelete.Click
```

```
    ' to remove current data from the data grid
```

```
    DonationBindingSource.RemoveCurrent()
```

```
End Sub
```

```
Private Sub BtnNext_Click(sender As Object, e As EventArgs) Handles BtnNext.Click
```

```
    ' allows user to move to the next data in the data grid
```

```
    DonationBindingSource.MoveNext()
```

```
End Sub
```

```
Private Sub BtnPrevious_Click(sender As Object, e As EventArgs) Handles  
BtnPrevious.Click
```

```
    ' allows user to move to the previous data in the data grid
```

```
    DonationBindingSource.MovePrevious()
```

```
End Sub
```

```
Private Sub btnFilter_Click(sender As Object, e As EventArgs) Handles btnFilter.Click
```

```
    ' to filter category of items
```

```
    For intcount As Integer = 0 To clbCategory.Items.Count - 1
```

```
        If clbCategory.GetItemChecked(intcount) Then
```

```
            BtnRice.Visible = True
```

```
            BtnPant.Visible = False
```

```
            BtnTshirt.Visible = False
```

```
            BtnPEns.Visible = False
```

```
            BtnBag.Visible = False
```

```
            BtnBodyWash.Visible = False
```

```
            BtnShampoo.Visible = False
```

```

        End If

    Next

    For intcount As Integer = 1 To clbCategory.Items.Count - 1

        If clbCategory.GetItemChecked(intcount) Then

            BtnPant.Visible = True

            BtnTshirt.Visible = True

            BtnRice.Visible = False

            BtnPens.Visible = False

            BtnBag.Visible = False

            BtnBodyWash.Visible = False

            BtnShampoo.Visible = False

            BtnMaggi.Visible = False

        End If

    Next

    For intcount As Integer = 2 To clbCategory.Items.Count - 1

        If clbCategory.GetItemChecked(intcount) Then

            BtnPant.Visible = False

            BtnTshirt.Visible = False

            BtnRice.Visible = False

            BtnPens.Visible = False

            BtnBag.Visible = True

        End If

    Next

```

```

        BtnBodyWash.Visible = True

        BtnShampoo.Visible = True

        BtnMaggi.Visible = False

    End If

Next

For intcount As Integer = 3 To clbCategory.Items.Count - 1

    If clbCategory.GetItemChecked(intcount) Then

        BtnPant.Visible = False

        BtnTshirt.Visible = True

        BtnRice.Visible = False

        BtnPens.Visible = True

        BtnBag.Visible = False

        BtnBodyWash.Visible = False

        BtnShampoo.Visible = False

        BtnMaggi.Visible = False

    End If

Next

End Sub

Private Sub btnReset_Click(sender As Object, e As EventArgs) Handles btnReset.Click

```

```

' to reset all buttons

Dim myEnumerator As IEnumerator

myEnumerator = clbCategory.CheckedIndices.GetEnumerator()

Dim y As Integer

While myEnumerator.MoveNext() <> False

    y = CInt(myEnumerator.Current)

    clbCategory.SetItemChecked(y, False)

End While

BtnRice.Visible = True

BtnPant.Visible = True

BtnTshirt.Visible = True

BtnPens.Visible = True

BtnBag.Visible = True

BtnBodyWash.Visible = True

BtnShampoo.Visible = True

BtnMaggi.Visible = True

TextBoxItem.Clear()

TextBoxQuan.Clear()

TextBoxAddress.Clear()

End Sub

Private Sub btnMax10_Click(sender As Object, e As EventArgs) Handles btnMax10.Click

' set visible to True for all items that has the price range of RM10 and below

```

```

        BtnPant.Visible = False

        BtnTshirt.Visible = True

        BtnRice.Visible = False

        BtnPEns.Visible = True

        BtnBag.Visible = False

        BtnBodyWash.Visible = True

        BtnShampoo.Visible = True

        BtnMaggi.Visible = True

End Sub

Private Sub BtnMax20_Click(sender As Object, e As EventArgs) Handles BtnMax20.Click

    ' set visible to True for all items that has the price range of RM20 and below

    BtnPant.Visible = True

    BtnTshirt.Visible = True

    BtnRice.Visible = False

    BtnPens.Visible = True

    BtnBag.Visible = False

    BtnBodyWash.Visible = True

    BtnShampoo.Visible = True

    BtnMaggi.Visible = True

End Sub

Private Sub btnMax30_Click(sender As Object, e As EventArgs) Handles btnMax30.Click

```



```

' set visible to True for all items that has the price range of RM30 and below

BtnPant.Visible = True

BtnTshirt.Visible = True

BtnRice.Visible = True

BtnPens.Visible = True

BtnBag.Visible = True

BtnBodyWash.Visible = True

BtnShampoo.Visible = True

BtnMaggi.Visible = True

End Sub

```

```

Private Sub btnConfirm_Click(sender As Object, e As EventArgs) Handles
btnConfirm.Click

```

```

frmBankAcc.LstBoxRecord.Items.Add(TxtBoxItem.Text)

```

```

frmBankAcc.LstBoxQuanDis.Items.Add(TxtBoxQuan.Text)

```

```

frmBankAcc.LstBoxAdDisp.Items.Add(TxtBoxAddress.Text)

```

```

' connect to database

```

```

Me.Validate()

```

```

Me.DonationBindingSource.EndEdit()

```

```

Me.DonationTableAdapter.Update(Me.Lumina4DataSet.Donation)

```

```

Me.DonationTableAdapter.Fill(Me.Lumina4DataSet.Donation)

```

```
        MsgBox("Data saved")

    End Sub

    ' hiding current form and showing other forms by using form_name.Show()

    Friend Sub tlbDonateSuggest_Click(sender As Object, e As EventArgs) Handles
tlbDonateSuggest.Click

        Me.Hide()

        frmDonateSuggest.Show()

    End Sub

    Friend Sub tlbAbout_Click(sender As Object, e As EventArgs) Handles tlbAbout.Click

        Me.Hide()

        frmAboutUs.Show()

    End Sub

    Friend Sub tlbProfile_Click(sender As Object, e As EventArgs) Handles
tlbProfile.Click

        Me.Hide()
```

```
frmProfile.Show()
```

```
End Sub
```

```
Friend Sub tlbBank_Click(sender As Object, e As EventArgs) Handles tlbBank.Click
```

```
Me.Hide()
```

```
frmBankAcc.Show()
```

```
End Sub
```

```
Private Sub btnCheckout_Click(sender As Object, e As EventArgs) Handles  
btnCheckout.Click
```

```
frmPayment.ShowDialog()
```

```
End Sub
```

```
Friend Sub tlbHomepage_Click(sender As Object, e As EventArgs) Handles  
tlbHomepage.Click
```

```
Me.Hide()
```

```
frmHomepage.Show()
```

```
End Sub
```

```
Friend Sub btnLogOut_Click(sender As Object, e As EventArgs) Handles btnLogOut.Click
```

```
    ' display message box when user exit application
```

```
    MsgBox("Thank you for using our application!", 0, "LUMINA")
```

```
    Me.Close()
```

```
End Sub
```

```
End Class
```

FORM5-frmDonateSuggest

```
Public Class frmDonateSuggest
```

```
    Private Sub btnExit_Click(sender As Object, e As EventArgs) Handles btnExit.Click
```

```
        Me.Close()
```

```
    End Sub
```

```
    Private Sub frmDonateSuggest_Load(sender As Object, e As EventArgs) Handles MyBase.Load
```

```
        ' enabling time on the interface
```

```
        tmrDateTime.Enabled = True
```

```
    End Sub
```

```
    Private Sub tmrDateTime_Tick(sender As Object, e As EventArgs) Handles tmrDateTime.Tick
```

```
        lblDateTime.Text = UCase(Date.Now.ToString("dd MMM yy  hh:mm tt"))
```

```
    End Sub
```

```
    Private Sub btnDonateSng_Click(sender As Object, e As EventArgs) Handles btnDonateSng.Click
```

```
        ' call function
```

```
        newfile()
```

```
    End Sub
```

```
Private Sub btnDonatePrk_Click(sender As Object, e As EventArgs) Handles  
btnDonatePrk.Click
```

```
' call function
```

```
newfile()
```

```
End Sub
```

```
Private Sub btnDonateN9_Click(sender As Object, e As EventArgs) Handles  
btnDonateN9.Click
```

```
' call function
```

```
newfile()
```

```
End Sub
```

```
Private Sub btnSbh_Click(sender As Object, e As EventArgs) Handles btnDonateSbh.Click
```

```
' call function
```

```
newfile()
```

```
End Sub
```

```
Function newfile()
```

```
' creating a function to receive input of cash donation
```

```

Dim a As String

Dim b As String

MsgBox("Hello, Welcome to suggestion page.Thank you for chooosing to donate cash
instead of things. We appreciate that. ")

a = InputBox("What is your nice name sir/madam?")

b = InputBox("How much would you like to contribute?")

Dim file As System.IO.StreamWriter

file = My.Computer.FileSystem.OpenTextFileWriter(a, True)

file.WriteLine("Name" & vbTab & vbTab & "Sum")

file.WriteLine(a & vbTab & b)


file.Close()

frmPayment.ShowDialog()


End Function


' hiding current form and showing other forms by using form_name.Show()

Friend Sub tlbDonate_Click(sender As Object, e As EventArgs) Handles tlbDonate.Click

    frmDonate.Show()

    Me.Hide()

End Sub


Friend Sub tlbAbout_Click(sender As Object, e As EventArgs) Handles tlbAbout.Click

```

```
frmAboutUs.Show()
```

```
Me.Hide()
```

```
End Sub
```

```
Friend Sub tlbProfile_Click(sender As Object, e As EventArgs) Handles  
tlbProfile.Click
```

```
frmProfile.Show()
```

```
Me.Hide()
```

```
End Sub
```

```
Friend Sub tlbBank_Click(sender As Object, e As EventArgs) Handles tlbBank.Click
```

```
frmBankAcc.Show()
```

```
Me.Hide()
```

```
End Sub
```

```
Friend Sub tlbHomepage_Click(sender As Object, e As EventArgs) Handles  
tlbHomepage.Click
```

```
Me.Hide()
```

```
frmHomepage.Show()
```

```
End Sub
```



```
Friend Sub btnLogOut_Click(sender As Object, e As EventArgs) Handles btnLogOut.Click
```

```
    ' to exit
```

```
    MsgBox("Thank you for using our application!", 0, "LUMINA")
```

```
    Me.Close()
```

```
End Sub
```

```
End Class
```

FORM6-frmAboutUs

```
Public Class frmAboutUs
```

```
    Dim LuminaSocMed As String
```

```
    Private Sub btnExit_Click(sender As Object, e As EventArgs) Handles btnExit.Click
        Me.Close()
    End Sub
```

```
    Private Sub frmAboutUs_Load(sender As Object, e As EventArgs) Handles MyBase.Load
```

```
        tmrDateTime.Enabled = True
```

```
    End Sub
```

```
    Private Sub tmrDateTime_Tick(sender As Object, e As EventArgs) Handles tmrDateTime.Tick
```

```
        lblDateTime.Text = UCase(Date.Now.ToString("dd MMM yy hh:mm tt"))
```

```
    End Sub
```

```
    Private Sub lblLuminaSocMed_MouseHover(sender As Object, e As EventArgs) Handles lblLuminaSocMed.MouseHover
```

```
        ' display messagebox when user hover their mouse to lblLuminaSocMed
```

```

        MsgBox("To know more about us, don't forget to" + vbNewLine +
               "check out Official.Lumina on Twitter, Facebook And Instagram!",
               0 + MsgBoxStyle.Information, "Lumina Social Media")

End Sub

' hiding current form and showing other forms by using form_name.Show()

Friend Sub tlbDonate_Click(sender As Object, e As EventArgs) Handles tlbDonate.Click

    Me.Hide()

    frmDonate.Show()

End Sub

Friend Sub tlbDonateSuggest_Click(sender As Object, e As EventArgs) Handles
tlbDonateSuggest.Click

    Me.Hide()

    frmDonateSuggest.Show()

End Sub

```

```
Friend Sub tlbProfile_Click(sender As Object, e As EventArgs) Handles  
tlbProfile.Click
```

```
Me.Hide()
```

```
frmProfile.Show()
```

```
End Sub
```

```
Friend Sub tlbBank_Click(sender As Object, e As EventArgs) Handles tlbBank.Click
```

```
Me.Hide()
```

```
frmBankAcc.Show()
```

```
End Sub
```

```
Friend Sub tlbHomepage_Click(sender As Object, e As EventArgs) Handles  
tlbHomepage.Click
```

```
Me.Hide()
```

```
frmHomepage.Show()
```

```
End Sub
```

```
Friend Sub btLogOut_Click(sender As Object, e As EventArgs) Handles btLogOut.Click
```

```
MsgBox("Thank you for using our application!", 0, "LUMINA")
```

```
Me.Close()
```

```
End Sub
```

```
Private Sub rtbAbout_TextChanged(sender As Object, e As EventArgs) Handles  
rtbAbout.TextChanged
```

```
End Sub
```

```
End Class
```

FORM7-frmProfile

```
Imports System.Data.OleDb
```

```
Public Class frmProfile
```

```
    Private Sub btnExit_Click(sender As Object, e As EventArgs) Handles btnExit.Click  
        Me.Close()  
    End Sub
```

```
    Private Sub frmProfile_Load(sender As Object, e As EventArgs) Handles MyBase.Load
```

```
        tmrDateTime.Enabled = True
```

```
        lblDateTime.Text = UCase(Date.Now.ToString("dd MMM yy  hh:mm tt")) 'display  
current date and time
```

```
        Dim con As New OleDbConnection("Provider=Microsoft.Jet.OLEDB.4.0;Data  
Source=C:\Users\ainin\Downloads\LuminaUser.mdb")
```

```
        Dim connection As New OleDbConnection("Provider=Microsoft.Jet.OLEDB.4.0;Data  
Source=C:\Users\ainin\Downloads\LuminaUser.mdb")
```

```
        'declare variables
```

```
        Dim username As String
```

```
        'choose username from another form
```

```
        username = frmLogIn.txtUsername.Text
```

```
        Dim command As OleDbCommand = New OleDbCommand("Select [Username] from UserData  
WHERE Username='" & username & "'", con)
```

```
        con.Open() 'open connection
```

```

Dim myreader As OleDbDataReader = command.ExecuteReader()

If myreader.Read = True Then

    username = myreader("Username")

    Dim display As String = "SELECT [Full
Name],[Email],[Phone],[Birthdate],[Password] FROM UserData WHERE Username =' " & username
& " '"

    Dim create As OleDbCommand = New OleDbCommand(display, connection)

    connection.Open()

    Dim sdr As OleDbDataReader = create.ExecuteReader()

    sdr.Read()

    'display user details in text boxes

    txtName.Text = sdr("Full Name")

    txtEmail.Text = sdr("Email")

    txtUsername.Text = username

    txtNoPhone.Text = sdr("Phone")

    dtpDOB.Value = sdr("Birthdate")

    txtPassword.Text = sdr("Password")

    connection.Close()

End If

con.Close() 'close connection

End Sub

```

```
Private Sub tmrDateTime_Tick(sender As Object, e As EventArgs) Handles  
tmrDateTime.Tick
```

```
    lblDateTime.Text = UCase(Date.Now.ToString("dd MMM yy  hh:mm tt"))
```

```
End Sub
```

```
Private Sub btnDOB_Click(sender As Object, e As EventArgs) Handles btnDOB.Click
```

```
    'enable all text boxes for user to edit the details
```

```
    txtName.Enabled = True
```

```
    txtNoPhone.Enabled = True
```

```
    txtEmail.Enabled = True
```

```
    txtPassword.Enabled = True
```

```
    dtpDOB.Enabled = True
```

```
End Sub
```

```
Private Sub btnUpload_Click(sender As Object, e As EventArgs) Handles btnUpload.Click
```

```
    'declare variable to open file
```

```
    Dim openphoto As New OpenFileDialog
```

```
    openphoto.Filter = ("Picture File|*.jpg; *.gif; *.png; *.bmp; *.jpeg") 'upload  
phot using the format
```

```
    If openphoto.ShowDialog = DialogResult.OK Then
```

```
        picProfile.Image = Image.FromFile(openphoto.FileName)
```

```
    End If
```

```
End Sub
```



```

Private Sub btnSave_Click(sender As Object, e As EventArgs) Handles btnSave.Click

    Dim command As String

    Dim con As New OleDbConnection("Provider=Microsoft.Jet.OLEDB.4.0;Data
Source=C:\Users\ainin\Downloads\LuminaUser.mdb")

    Dim connection As New OleDbConnection("Provider=Microsoft.Jet.OLEDB.4.0;Data
Source=C:\Users\ainin\Downloads\LuminaUser.mdb")

    con.Open()

    command = "update UserData set [Full Name]='" & txtName.Text & "',[Email]='" &
txtEmail.Text & "',[Phone]='" & txtNoPhone.Text & "',[Birthdate]='" & dtpDOB.Value &
"',[Password]='" & txtPassword.Text & "'where [Username]='" & txtUsername.Text & "'"

    Dim cmd As OleDbCommand = New OleDbCommand(command, con)

    MsgBox("Update Sucess")

Try

    cmd.ExecuteNonQuery()

    cmd.Dispose()

    con.Close()

    txtEmail.Enabled = False

    txtName.Enabled = False

    txtNoPhone.Enabled = False

    txtPassword.Enabled = False

    dtpDOB.Enabled = False


Catch ex As Exception

End Try

End Sub

```

' hiding current form and showing other forms by using form_name.Show()

Friend Sub tlbDonate_Click(sender As Object, e As EventArgs) Handles tlbDonate.Click

Me.Hide()

frmDonate.Show()

End Sub

Friend Sub tlbDonateSuggest_Click(sender As Object, e As EventArgs) Handles
tlbDonateSuggest.Click

Me.Hide()

frmDonateSuggest.Show()

End Sub

Friend Sub tlbBank_Click(sender As Object, e As EventArgs) Handles tlbProfile.Click

Me.Hide()

frmBankAcc.Show()

End Sub

Friend Sub tlbHomepage_Click(sender As Object, e As EventArgs) Handles
tlbHomepage.Click

Me.Hide()

frmHomepage.Show()

End Sub

```
Private Sub btnLogout_Click(sender As Object, e As EventArgs) Handles btnLogout.Click
    MsgBox("Thank you for using our application!", 0, "LUMINA")
    Me.Close()
End Sub

Private Sub txtName_TextChanged(sender As Object, e As EventArgs) Handles
txtName.TextChanged

End Sub

End Class
```

FORM8 -frmBankAcc

```
Public Class frmBankAcc
```

```
    Private Sub btnExit_Click(sender As Object, e As EventArgs) Handles btnExit.Click
```

```
        Me.Close()
```

```
    End Sub
```

```
    Private Sub frmBankAcc_Load(sender As Object, e As EventArgs) Handles MyBase.Load
```

```
        tmrDateTime.Enabled = True
```

```
        ' retrieve data from textfile (AccHolderName) to frmBankAcc
```

```
        Dim AccHolderName As String = "C:AccHolderName.txt"
```

```
        System.IO.File.Exists(AccHolderName)
```

```
        Dim AccHolderNameReader As New System.IO.StreamReader(AccHolderName)
```

```
        Do While AccHolderNameReader.Peek() <> -1
```

```
            AccHolderName = AccHolderNameReader.ReadLine() & vbNewLine
```

```
        Loop
```

```
        lblAccHolderName.Text = AccHolderName
```

```
        ' -----
```

```
        ' retrieve data from textfile (BankName) to frmBankAcc
```

```
        Dim BankName As String = "C:BankName.txt"
```

```
        System.IO.File.Exists(BankName)
```

```
        Dim BankNameReader As New System.IO.StreamReader(BankName)
```

```
        Do While BankNameReader.Peek() <> -1
```

```

        BankName = BankNameReader.ReadLine() & vbNewLine

Loop

lblBankName.Text = BankName

' -----

' retrieve data from textfile (AccNum) to frmBankAcc

Dim AccNum As String = "C:AccNum.txt"

System.IO.File.Exists(AccNum)

Dim AccNumReader As New System.IO.StreamReader(AccNum)

Do While AccNumReader.Peek() <> -1

    AccNum = AccNumReader.ReadLine() & vbNewLine

Loop

lblAccNo.Text = AccNum

' -----

' retrieve data from textfile (AccType) to frmBankAcc

Dim AccType As String = "C:AccType.txt"

System.IO.File.Exists(AccType)

Dim AccTypeReader As New System.IO.StreamReader(AccType)

Do While AccTypeReader.Peek() <> -1

    AccType = AccTypeReader.ReadLine() & vbNewLine

Loop

lblAccType.Text = AccType

```

End Sub

```
Private Sub tmrDateTime_Tick(sender As Object, e As EventArgs) Handles  
tmrDateTime.Tick
```

```
    ' display date and time
```

```
    lblDateTime.Text = UCase(Date.Now.ToString("dd MMM yy  hh:mm tt"))
```

End Sub

```
    ' hiding current form and showing other forms by using form_name.Show()
```

```
Friend Sub tlbDonate_Click(sender As Object, e As EventArgs) Handles tlbDonate.Click
```

```
    Me.Hide()
```

```
    frmDonate.Show()
```

End Sub

```
Friend Sub tlbDonateSuggest_Click(sender As Object, e As EventArgs) Handles  
tlbDonateSuggest.Click
```

```
    Me.Hide()
```

```
    frmDonateSuggest.Show()
```

End Sub

```
Friend Sub tlbProfile_Click(sender As Object, e As EventArgs) Handles  
tlbProfile.Click
```

```
    Me.Hide()
```

```
    frmProfile.Show()
```

End Sub

Friend Sub tlbHomepage_Click(sender As Object, e As EventArgs) Handles
tlbHomepage.Click

Me.Hide()

frmHomepage.Show()

End Sub

Friend Sub btnLogOut_Click(sender As Object, e As EventArgs) Handles btnLogOut.Click

MsgBox("Thank you for using our application!", 0, "LUMINA")

Me.Close()

End Sub

End Class

FORM9 –frmPayment

```
Public Class frmPayment
```

```
    Dim AccHolderName As System.IO.StreamWriter
```

```
    Dim BankName As System.IO.StreamWriter
```

```
    Dim AccNum As System.IO.StreamWriter
```

```
    Dim AccType As System.IO.StreamWriter
```

```
    Private Sub btnExit_Click(sender As Object, e As EventArgs) Handles btnExit.Click
```

```
        Me.Close()
```

```
    End Sub
```

```
    Friend Sub btnPay_Click(sender As Object, e As EventArgs) Handles btnPay.Click
```

```
        AccHolderName.WriteLine(UCCase(txtAccHolderName.Text))
```

```
        AccHolderName.Close()
```

```
    ,
```

```
        BankName.WriteLine(UCCase(txtBankName.Text))
```

```
        BankName.Close()
```

```
    ,
```

```
        AccNum.WriteLine(UCCase(txtAccNo.Text))
```

```
        AccNum.Close()
```



```

'
-----

Dim choice As String

If cboAccType.SelectedIndex = 0 Then

    choice = "SAVINGS ACCOUNT"

Else

    choice = "CURRENT ACCOUNT"

End If

cboAccType.Text = choice


AccType.WriteLine(cboAccType.Text)

AccType.Close()

MsgBox("Your transaction has been made successful!", 0 + MsgBoxStyle.Information,
"PAYMENT")

Me.Hide()

End Sub

Private Sub frmPayment_Load(sender As Object, e As EventArgs) Handles MyBase.Load

    ' creating new files

    AccHolderName = New System.IO.StreamWriter("C:AccHolderName.txt", True) ' True, to
append

    BankName = New System.IO.StreamWriter("C:BankName.txt", True) ' True, to append

    AccNum = New System.IO.StreamWriter("C:AccNum.txt", True) ' True, to append

    AccType = New System.IO.StreamWriter("C:AccType.txt", True)

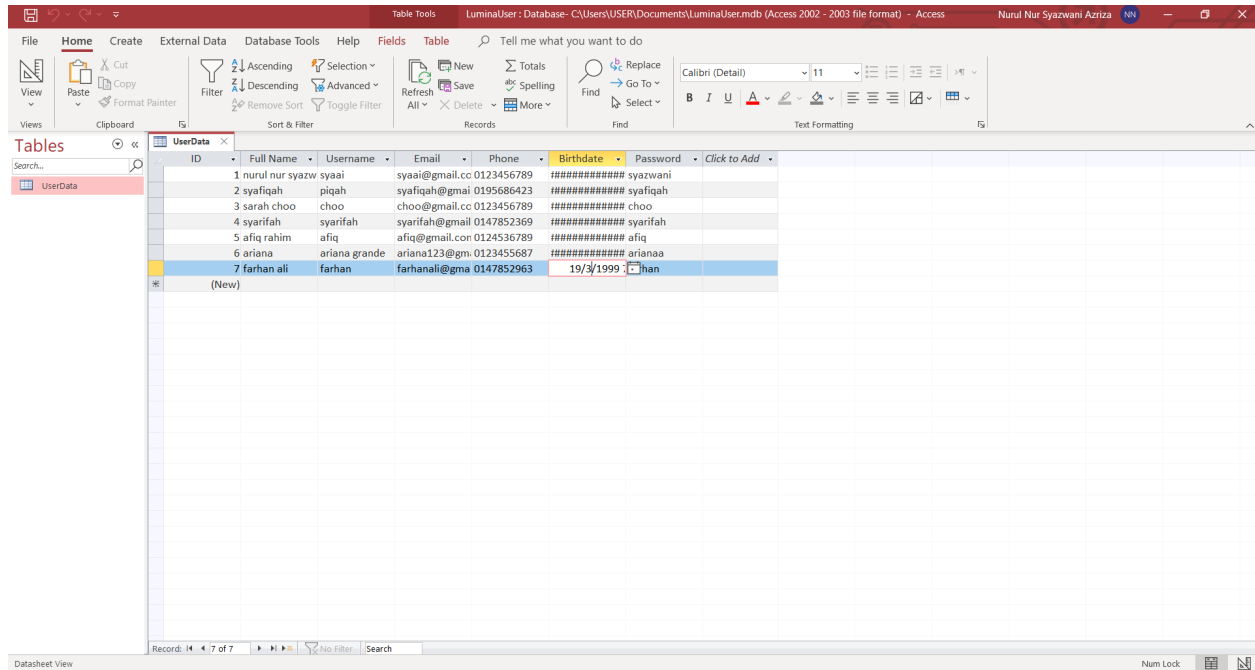
End Sub

End Class

```

IV. Screenshot of Microsoft Access and Text File Used for Data Storage

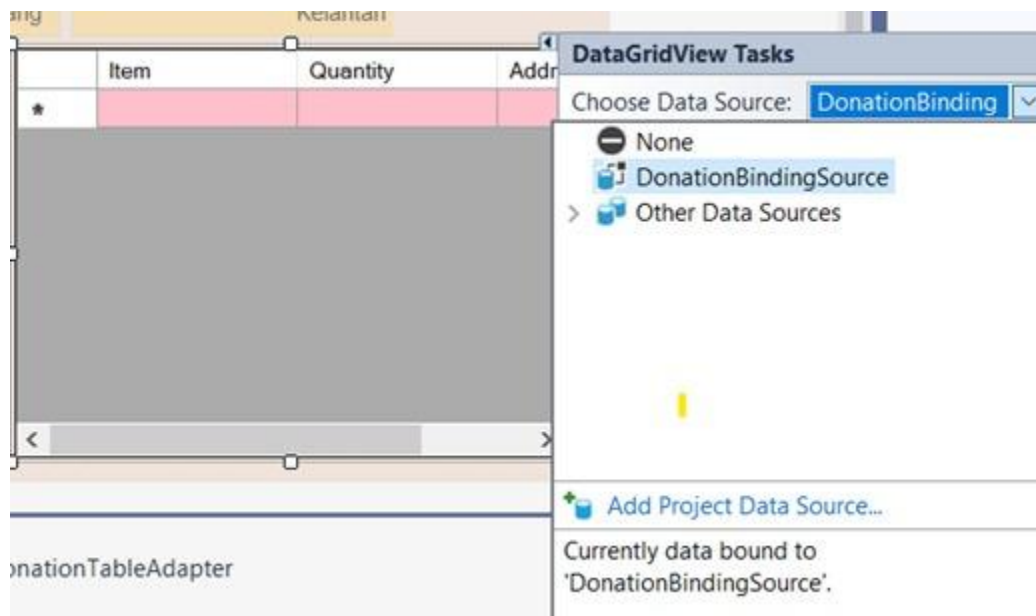
User Profile Database in Microsoft Access



The screenshot displays the Microsoft Access interface with the 'UserData' table open in Datasheet View. The table contains 7 records, with the last record being a new entry for 'Farhan ali'.

ID	Full Name	Username	Email	Phone	Birthdate	Password	Click to Add
1	nurul nur syazw syaai	syaa	syaa@gmail.com	0123456789		##### syazwani	
2	syafiqah	piqah	syafiqah@gmail.com	0195686423		##### syafiqah	
3	sarah choo	choo	choo@gmail.com	0123456789		##### choo	
4	syarifah	syarifah	syarifah@gmail.com	0147852369		##### syarifah	
5	afiq rahim	afiq	afiq@gmail.com	0124536789		##### afiq	
6	ariana	ariana grande	ariana123@gmail.com	0123455687		##### arianaa	
7	Farhan ali	farhan	farhanali@gmail.com	0147852963	19/3/1999	#####	

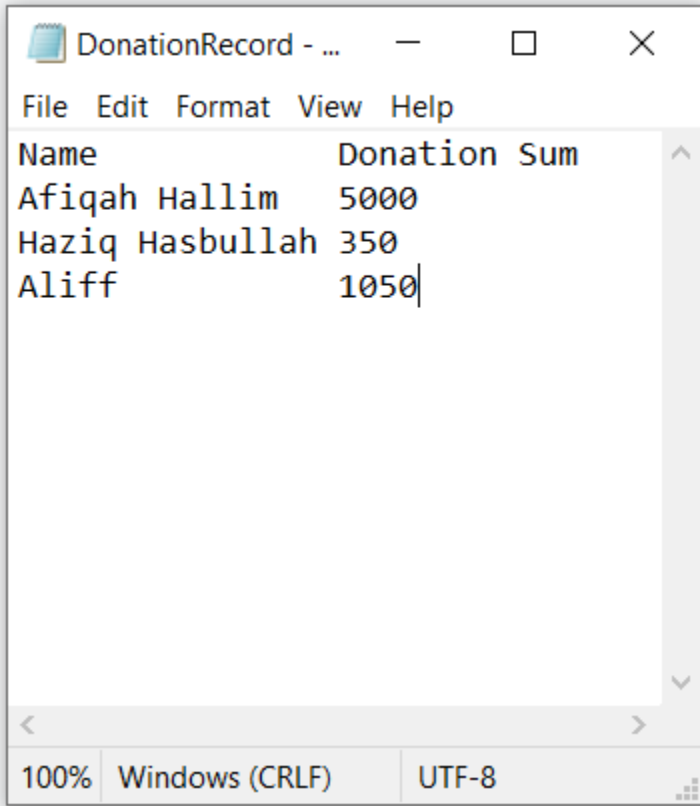
Data Grid View connected with Microsoft Access



Data Grid View for Items in Cart

	Item	Quantity	Address
▶	RICE 5 KG	5	JOHOR
★			

Donor Name and Total Donation Text File



The image shows a screenshot of a text editor window titled "DonationRecord - ...". The window contains a table with two columns: "Name" and "Donation Sum". The table lists three donors: Afiqah Hallim with a donation of 5000, Haziq Hasbullah with a donation of 350, and Aliff with a donation of 1050. The text editor has a menu bar with "File", "Edit", "Format", "View", and "Help". The status bar at the bottom shows "100%", "Windows (CRLF)", and "UTF-8".

Name	Donation Sum
Afiqah Hallim	5000
Haziq Hasbullah	350
Aliff	1050

REFERENCES

- pendrive 2.0. (2018). How to Update Data From VB.NET to MS-Access Database||VB.NET Tutorial [YouTube Video]. In *YouTube*.
<https://www.youtube.com/watch?v=k5ODy8oeIFU&feature=youtu.be>
- Q, A. (2020). VB.NET - Create login form using | ACCESS DATABASE | LOGIN + REGISTRATION + FORGET PASSWORD [YouTube Video]. In *YouTube*.
<https://www.youtube.com/watch?v=qlKAyKEfqHg>
- Coder Baba. (2018). VB.NET | ATM System Project with MS Access Database [YouTube Video]. In *YouTube*. <https://www.youtube.com/watch?v=37HpVU56rpc&t=1532s>
- Amit Andipara. (2019). VB.NET insert update delete view and search data with SQL database (WITH CODE) [YouTube Video]. In *YouTube*.
<https://www.youtube.com/watch?v=vJ315n4a-gc>
- A Calculator Project in VB NET*. (n.d.). Homeandlearn. Retrieved July 3, 2021, from <https://www.homeandlearn.co.uk/NET/nets1p17.html>



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