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SECTION	1
YEAR/PROGRAMME	2017/2018 - 2 DAT
COURSE CODE/NAME	DAT 20903 PRINCIPLES OF DOT NET PROGRAMMING
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ASSIGNMENT's TITLE	PHASES IN VB APPLICATION DEVELOPMENT

COMMENT (by instructor):	MARKS EARNED:

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Role of group Member

Member's name	Role
1) NUR HIDAYAH	Complete Phase 1 and Phase 2(analyze and design)
2) NUR RASYIDAH	Complete Phase 3(Implementation)
3) NORSYAZWANIE	Complete a Report

Phase 1 : Analyze

1.1 List of **input** or data to be entered:

- Meter(m)
- Kilometer(km)

1.2 List of desired **output** or results:

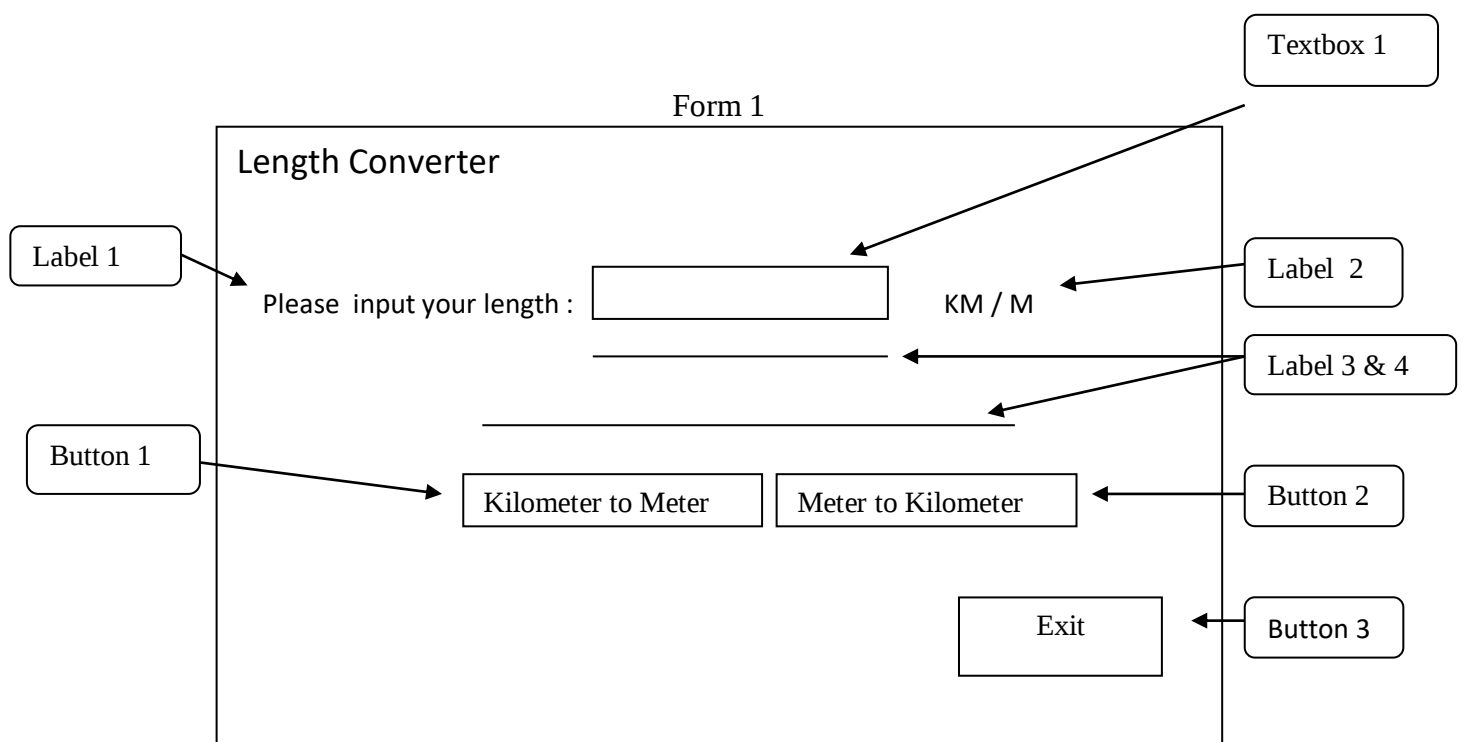
- Kilometer(km)
- Meter(m)

1.3 List of required **process** to obtain the output:

- $Km = m/1000$
- $m = km/0.0010000$

Phase 2 : Design

2.1 Sketch of Graphical User Interface (GUI)



2.2 List basic properties of each object used in the GUI

Object	Properties
Form1	Name : LengthConverter
TextBox1	Name :txtName Text:
Button1	Name : btnK Text: Convert to Kilometer
Button2	Name : btnM Text: Convert to Meter
Button3	Name : btnExit Text: Exit
Label 1	Name : lblInput Text: Please input your length
Label 2	Name : lblConvert Text: KM / M
Label 3	Name : lblMessage Text:
Label 4	Name :lblDisplay Text:

2.3 Algorithm for each required events as require action to be taken

2.3.1) In The LengthConverter

2.3.1.1) EventClick For btn Calculate.

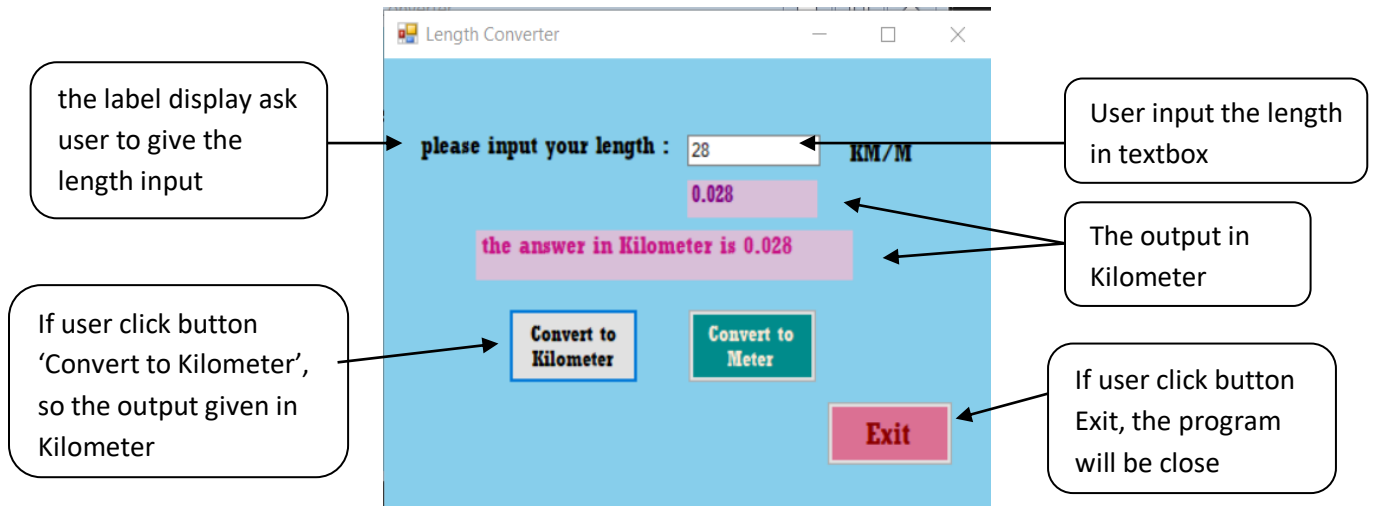
- Length in Km = $m/1000$
- Length in m = $km * 1000$

2.3.1.2) EventClick For btn Exit

- Exit The LengthConverter using Close method.

Phase 3: Implement

3.1 Graphical User Interface (GUI)



3.2 Properties setting of each object used in the GUI

Object	Properties	Setting
Form 1	Name: BackColor:	Length Converter Blue
TextBox1	Name : Text:	txtName
Button1	Name : Text: Font :	btnCalculate Convert to Kilometer Rockwell
Button2	Name : Text: Font :	btnCalculateM Convert to Meter Rockwell
Button3	Name : Text: Font : FontColor: BackColor:	btnExit Exit Rockwell Red Pink
Label 1	Name : Text: Font :	lblInput Please input your length Rockwell
Label 2	Name : Text: Font :	lblConvert KM / M Rockwell

Label 3	Name : Text: Font : BackColor	lblMessage Rockwell Crepe Pink
Label 4	Name : Text: Font : BackColor	lblDisplay Rockwell Crepe Pink

3.3 Program code to carry out the actions needed by the applications.

In btnCalculate, we put formula Meter to Kilometer so if user click this button the output will display in Kilometer

In btnCalculateM, we put formula Kilometer to Meter so if user click this button the output will display in Meter

```

Form1.vb [Design]
priceofchicken
btnExit Click
Public Class Form1
    Private Sub btnCalculate_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnCalculateKM.Click
        lblmessage.Text = txtInput.Text / 1000
        lblDisplay.Text = "the answer in Kilometer is " & lblmessage.Text
    End Sub

    Private Sub btnCalculateM_Click(ByVal sender As System.Object, e As System.EventArgs) Handles btnCalculateM.Click
        lblmessage.Text = txtInput.Text * 1000
        lblDisplay.Text = "the answer in Meter is " & lblmessage.Text
    End Sub

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

```

The exit button is for close the program from running