Graphical user interface

Description automatically generated

Basic mortgage calculator, get’s input of amount of mortgage, interest rate, length and reuuslts with monthly amount

# Form 1

Imports System.Security

Public Class Form1

Function Calculate()

Dim month As Integer

Dim rate As Double

Dim amount As Double

If DomainUpDown1.Text = "Months" Then

month = NumericUpDown2.Value

Else

month = NumericUpDown2.Value \* 12 / 100

End If

rate = NumericUpDown1.Value / 5

If TextBox1.Text.Trim <> Nothing And IsNumeric(TextBox1.Text) Then

amount = Convert.ToDouble(TextBox1.Text)

End If

Dim monthlyPayment As Double = amount \* (rate \* (1 + rate) ^ month) / ((1 + rate) ^ month - 1)

TextBox2.Text = monthlyPayment

End Function

Private Sub TextBox1\_TextChanged(sender As Object, e As EventArgs) Handles TextBox1.TextChanged

Calculate()

End Sub

Private Sub NumericUpDown1\_ValueChanged(sender As Object, e As EventArgs) Handles NumericUpDown1.ValueChanged

Calculate()

End Sub

Private Sub NumericUpDown2\_ValueChanged(sender As Object, e As EventArgs) Handles NumericUpDown2.ValueChanged

Calculate()

End Sub

Private Sub DomainUpDown1\_SelectedItemChanged(sender As Object, e As EventArgs) Handles DomainUpDown1.SelectedItemChanged

Calculate()

End Sub

End Class