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Imports System
Imports System.Collections.Generic
Imports System.ComponentModel
Imports System.Drawing
Imports System.Linq
Imports System.Text
Imports System.Threading.Tasks
Imports System.Windows.Forms

Namespace YcPackageTool.Widgets
    Friend Class RoundButton
        Inherits Button
        ' INSTANT VB NOTE: The field radius was renamed since Visual Basic does not allow fields
to have the same name as other class members:
        Private radius_Renamed As Integer ' 半径

        ' 圆形按钮的半径属性
        <CategoryAttribute("布局"), BrowseableAttribute(True), ReadOnlyAttribute(False)>
        Public Property Radius() As Integer
            Set(ByVal value As Integer)
                radius_Renamed = value
                ' INSTANT VB WARNING: An assignment within expression was extracted from the
following statement:
                ' ORIGINAL LINE: this.Height = this.Width = Radius;
                Me.Width = Radius
                Me.Height = Me.Width
            End Set
            Get
                Return radius_Renamed
            End Get
        End Property

        ' INSTANT VB NOTE: The field imageEnter was renamed since Visual Basic does not allow
fields to have the same name as other class members:
        Private imageEnter_Renamed As Image

        <CategoryAttribute("外观"), BrowseableAttribute(True), ReadOnlyAttribute(False)>
        Public Property ImageEnter() As Image
            Set(ByVal value As Image)
                imageEnter_Renamed = value
            End Set
            Get
                Return imageEnter_Renamed
            End Get
        End Property

        ' INSTANT VB NOTE: The field imageNormal was renamed since Visual Basic does not allow
fields to have the same name as other class members:
        Private imageNormal_Renamed As Image
        <CategoryAttribute("外观"), BrowseableAttribute(True), ReadOnlyAttribute(False)>
        Public Property ImageNormal() As Image
            Set(ByVal value As Image)

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        imageNormal_Renamed = value
        BackgroundImage = imageNormal_Renamed
    End Set
    Get
        Return imageNormal_Renamed
    End Get
End Property

```

' 以下代码用于在VS中隐藏BackgroundImage属性，使得只能通过Diameter设置Height和Width  
<BrowsableAttribute(False)>

```

Public Shadows Property BackgroundImage() As Image
    Get
        Return MyBase.BackgroundImage
    End Get
    Set(ByVal value As Image)
        MyBase.BackgroundImage = value

    End Set
End Property

```

' 以下代码用于在VS中隐藏Size属性，使得只能通过Diameter设置Height和Width  
<BrowsableAttribute(False)>

```

Public Shadows Property Size() As Size
    Get
        Return MyBase.Size
    End Get
    Set(ByVal value As Size)
        MyBase.Size = value

    End Set
End Property

```

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Public Sub New()
    Radius = 64
    ' INSTANT VB WARNING: An assignment within expression was extracted from the
following statement:
    ' ORIGINAL LINE: this.Height = this.Width = Radius;
    Me.Width = Radius
    Me.Height = Me.Width
    Me.FlatStyle = FlatStyle.Flat
    Me.FlatAppearance.BorderSize = 0
    Me.BackgroundImage = imageEnter_Renamed
    Me.BackgroundImageLayout = ImageLayout.Stretch
End Sub

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    Me.Width = Radius
    Me.Height = Me.Width
    Me.FlatStyle = FlatStyle.Flat
    Me.FlatAppearance.BorderSize = 0
    Me.BackgroundImage = imageEnter_Renamed
    Me.BackgroundImageLayout = ImageLayout.Stretch
End Sub

```

' 重写OnPaint

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Protected Overrides Sub OnPaint(ByVal e As System.Windows.Forms.PaintEventArgs)
    MyBase.OnPaint(e)
    Dim path As New System.Drawing.Drawing2D.GraphicsPath()
    path.AddEllipse(0, 0, Radius, Radius)
    Me.Region = New Region(path)
End Sub

```

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' 重写OnMouseEnter
'protected override void OnMouseEnter(EventArgs e)
' {
'     Graphics g = this.CreateGraphics();
'     g.DrawEllipse(new Pen(Color.Blue), 0, 0, this.Width, this.Height);
'     g.Dispose();
' }

' 重写OnSizeChanged
Protected Overrides Sub OnSizeChanged(ByVal e As EventArgs)
    MyBase.OnSizeChanged(e)
    If Height <> Radius Then
        ' INSTANT VB WARNING: An assignment within expression was extracted from the
following statement:
        ' ORIGINAL LINE: Radius = Width = Height;
        Width = Height
        Radius = Width
    ElseIf Width <> Radius Then
        ' INSTANT VB WARNING: An assignment within expression was extracted from the
following statement:
        ' ORIGINAL LINE: Radius = Height = Width;
        Height = Width
        Radius = Height
    End If

End Sub

' 重写OnMouseEnter
Protected Overrides Sub OnMouseEnter(ByVal e As EventArgs)
    MyBase.OnMouseEnter(e)
    BackgroundImage = ImageEnter
End Sub

' 重写OnMouseLeave
Protected Overrides Sub OnMouseLeave(ByVal e As EventArgs)
    MyBase.OnMouseLeave(e)
    BackgroundImage = ImageNormal
End Sub

Private Sub InitializeComponent()
    Me.SuspendLayout()
    Me.ResumeLayout(False)

End Sub
End Class
End Namespace

```