

Year 12 : Visual Basic Tutorial.

STUDY THIS

Simple Error Trapping.

Programs should never crash!

The best way to deal with run-time errors is to trap them with an **error handler**. This is a sections of code that handle these errors when they occur.

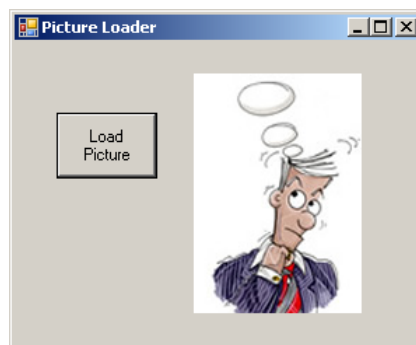
Run-time errors are referred to as **Exceptions**.

An error handler uses the **Try...Catch...Finally** code block.

This is what you do...

HANDS ON

- [1] Create a new Windows Application.
On the form place a **PictureBox** (**picPhoto**) and set the Image property to an existing graphic and a **Button** (**btnChange**).



The program is going to change the picture when the button is pressed.

- [2] Add this event handler to the Click event of the button.
(You will need to put the full path of a valid picture into the red text)

```
Private Sub btnChange_Click(ByVal sender As Object, ByVal e As  
System.EventArgs) Handles btnChange.Click  
    picPhoto.Image = System.Drawing.Bitmap.FromFile("R:\homer.gif")  
End Sub
```

Run the program and see if the picture changes...(fix it if it doesn't!)

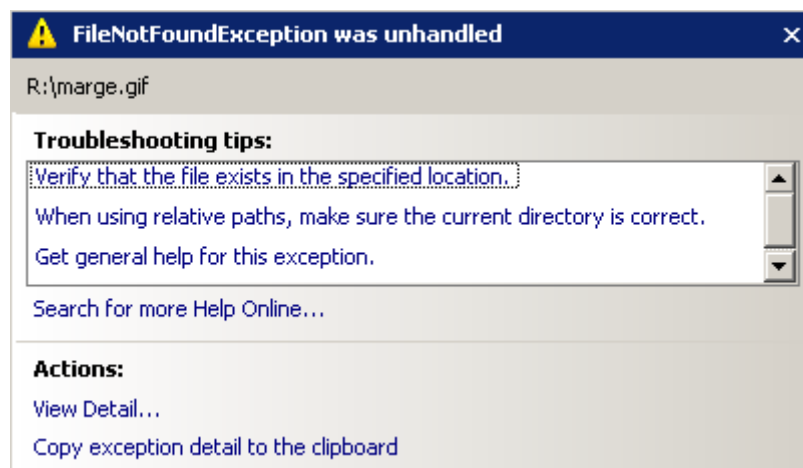


- [3] Now, suppose the path of the picture is **not correct**...

Change the path to a picture file that does **NOT** exist...

```
Private Sub btnChange_Click(ByVal sender As Object, ByVal e As
System.EventArgs) Handles btnChange.Click
    picPhoto.Image = System.Drawing.Bitmap.FromFile("R:\marge.gif")
End Sub
```

...and run the program. This time you will get a **run-time error**, and a box like this will point to the line where the error was found:



- [4] Change the code of the event handler to this...

```
Private Sub btnChange_Click(ByVal sender As Object, ByVal e As
System.EventArgs) Handles btnChange.Click
    Try
        picPhoto.Image = System.Drawing.Bitmap.FromFile("R:\marge.gif")
    Catch ex As Exception
        MsgBox("That file does not exist")
    End Try
End Sub
```

Running the program now, an error message should pop up...

