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What is ErrorHandler ?

EH is a VB development tool, it will work through your applications adding error handling code to every procedure. The main benefit of using EH is TIME.

eg. A professional VB programmer might take :

-  60 seconds to insert error handling code into an sub or function.
-  Add say 2 hours to write a BAS procedure to handle error calls.
-  And finally add 1 hours to test.

 On a medium application with 600 Subs & Functions this process will take upto **13 hours**.
EH will do the same task in **under 2 minutes**.

Errors WITHOUT EH

If no error handling code is in your application, your application will crash if an error occurs.

Errors WITH EH

If an error occurs in code using EH, your user will be informed of the Error, Its position, instructions will be given to report the error (if required) and finally details of the error will be wrote to a ERROR.LOG file.



Opening a MAK

To open a MAK file for viewing or adding error code either :

- 1) Select Open from the File menu,
- 2) Click on the Open button on the Screen.
- 3) Press CTRL+O on the keyboard.

This will cause a common dialog box to appear, using this file open box select the MAK file you wish to use.

Once your MAK file is loaded all BAS and FRM files are listed under .MAK list.

Closing a MAK

To Close a MAK file select Close from the File menu.

This will cause you MAK file to be unloaded.

Exiting

Select Exit from the File menu

If you did not close your MAK file no damage will be done.

Listing Subs/Functions in a BAS/FRM

To list all the Procedures under a BAS or FRM file either.

- 1) From the .MAK list list box. select a BAS or FRM and click on the ----> button.
- 2) Double click on a file in the .MAK list

This will cause a list of all Functions or Subs in a BAS or FRM to be listed under Subs/Function list

Printing/Viewing a Sub or Function

It is possible to both view and print a selected Sub or Function.

TO VIEW

Having listed all Subs or Function either

- 1) Double click on the required Sub or Function
- 2) Select Browse from the Options menu.

This will cause a text box to appear listing the selected Sub or Function

The Copy buttons will copy the text to the clipboard for pasting into a VB application.
The Close button will close the text box window.

TO PRINT

Having listed all Subs or Function either :

- 1) Select Print from the File Menu.
- 2) Enter the number of copies to print and Click Print

All printouts are done in landscape.

Print Setup

To adjust the printer from within EH select Print Setup fromt the File menu.

A common dialog printer setup box will appear.

Error Help

To get an instant description of an error number either

- 1) Select Error Help... from the Options menu.
- 2) Press CTRL+E on the keyboard

A Error Help window will appear

Enter the error number in the white box and Click Get Error, the appropriate error description will be displayed below.

Click on close to exit this feature.

Generate Error

To test EH select Generate Error... from the Options menu.

An input box will ask you to enter an error number.

This will automatically cause that error to be simulated.

An Error Occurs with EH

A box will appear informing the user an error has occurred. this box will displaying

-  Error Number
-  Description
-  Form Name
-  Sub/Function Name
-  Ccontact number
- 

Your user will be given the choice of selecting either

 **ABORT**
This will cause an Exit Sub command to occur

 **RETRY**
Retry the command or event

 **IGNORE**
Ignore the command and skip to the next line of code

If the error persists more than n times, An alternative box will appear asking the user if they wish to quite the software application.



 **YES**
this will exit the application



NO
will retry the command.

Edit MAKE.LOG

The MAKE.LOG is a text file compiled during the process of adding error code. the file is stored in the EH application directory, and is overwritten every time you run the Add Error Code to MAK... option.

NotePad is loaded with the MAKE.LOG file automatically opened. If you MAKE.LOG file is too long you may be to use an alternative editor.

Add Error Code to MAK...

This option will work through the MAK file you have loaded adding error code to your application.

BACKUP YOUR MAK FILE BEFORE USING THIS OPTION.

Before starting you are asked to confirm your selection.

EH works in 2 passes, Firstly the system checks out your project and reports any problems, secondly it will add code to your project.

PASS 1

This pass will test to make sure all parts of the MAK are saved as text, it will also look for any EH code or User error code in place. If any part of your application was not saved as text you will not be able to proceed onto PASS 2. If Any parts of your code already have User error handling code (ie. Code you have added your self), you will be given the choice bypassing these procedures when adding EH code.

PASS 2

This pass will rename all your existing BAS or FRM files, One by One it will re-write them adding EH code where necessary.

This pass will also add M90ERROR.BAS to your application. DO NOT DELETE IT.

2 sliding status bars will track the progress of EH whilst processing the above 2 passes.

ERROR.LOG

This is a text file built when running the above passes, it will provide a log of what the EH compiling process does. Remember that this log file is overwritten every time you run this process.



Example of what EH will adds to your code

```
Sub mnuGenerate_Click ()

On Error GoTo m90EH_mnuGenerate_Click:

'M90ERRORHANDLER <<< DON'T DELETE ME
Exit Sub
m90EH_mnuGenerate_Click:
    gs_m90EH_Formname = "FRMMAIN.FRM"
    gs_m90EH_Procname = "mnuGenerate_Click"
    gi_m90EH_Putlog = True

Select Case (gfi_M90ErrorHandler(gs_m90EH_Formname,
gs_m90EH_Procname,gi_m90EH_Putlog))
    Case 3
        'abort
        Exit Sub
    Case 4
        'retry
        Resume
    Case 5
        ignore
        Resume Next
End Select

End Sub
```

RULES when using EH

-  All BAS or FRM files must have been saved as text
-  All End Sub or End Function statements must be in the first column (left hand side of window)
-  Dont delete 'M90ERRORHANDLER <<< DON'T DELETE ME where you see it in your code.
-  Dont delete or change any Declarations , Functions or Subs in M90ERROR.BAS.

Customising EH code

It is possible to customize some parts by changing the below constants in the M90ERROR.BAS file.

```
'INTERNATIONALIZATION
Global Const gs_M90EH_dateformat = "DD/MM/YYYY"
Global Const gs_M90EH_timeformat = "hh:nn ss"

'localization
Global gs_m90EH_AppPath As String

'msgbox titles
Global Const gs_m90EH_title = "ErrorHandler"
Global Const gs_m90EH_contact = "Please Report to Micro90 +44 [0]1202 667337  "
Global Const gs_m90EH_application = "ErrorHandler for VB 3.0"
```

 **Technical support**

You can obtain technical support from :

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