

Re: Exception-handling problems

Source: <http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.general/2004-11/0980.html>

From: Daniel Wilson (d.wilson_at_embtrak.com)

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I trap the errors all the way up. The error messages with which the program crashes are not those I wrote. They are about not being able to accept a NULL value.

I'm now investigating whether my problem has to do with multiple revisions residing on my computer, and an older one being in the GAC.

dwilson

"Nick Malik" <nickmalik@hotmail.nospam.com> wrote in message news:u1pkd.321852\$wV.123003@attbi_s54...

> *Hi Daniel,*

>

> *Well, I'm not sure of the error you are getting. The blocks appear well coded (it's a bit unusual to see to blocks of code, one in C++ and the other*

> *in VB).*

> *In both blocks, you appear to be catching all errors and re-issuing an exception upstream with the offending exception encapsulated. While you've*

> *broken a couple of best practices (handle the error locally, trap errors using a specific error type, only raise ApplicationException or a derived exception class, etc), I don't see any code that fails to trap the error.*

>

> *You say that this code is running and, at a point when you don't expect to get an error message, a message appears showing details of the error.*

Does

> *that error message include the strings "Unable to launch Mail UI" or "failed*

> *to fill user list"? because, if it does, then you ARE trapping the error...*

> *and then turning around and throwing another one.*

>

> *Are you trapping again upstream from the first code snippet?*

>

> --- Nick

>

> *"Daniel Wilson" <d.wilson@embtrak.com> wrote in message news:uNAVdScxEHA.824@TK2MSFTNGP11.phx.gbl...*

microsoft.public.dotnet.general: Re: Exception-handling problems

```
> > Here's a sample of the extern code. I'm wondering if
> > SuppressUnmanagedCodeSecurity is also suppressing some checking that
would
> > enhance stability.
> > [DllImport("opengl32.dll", EntryPoint="glEnable"),
> > SuppressUnmanagedCodeSecurity, CLSCompliantAttribute(true)]
> >
> > public static extern void glEnable (int cap);
> >
> > Here's a sample of the error-handling code that's not catching the
> > exceptions.
> >
> > try{
> >
> > UpdateDataSet();
> >
> > mailBoxWin->fillUserList(GetUsers());
> >
> > mailBoxWin->updateDataSet(set);
> >
> > mailBoxWin->refreshView();
> >
> > mailBoxWin->Show();
> >
> > }catch(Exception *E){
> >
> > String *sE = new String("Unable to launch Mail UI\n");
> >
> > sE = sE->Concat(sE,E->Source);
> >
> > sE = sE->Concat(sE,E->Message);
> >
> > throw new Exception(sE);
> >
> > }
> >
> > return true;
> >
> > }
> >
> >
> > And here is fillUserList, called by the block above:
> >
> > Public Sub fillUserList(ByVal users As ArrayList)
> >
> > Try
> >
> > newMsgWin.fillUserList(users)
> >
> > Catch E As Exception
```

>>
>> *Throw New Exception("Failed to fill user list." & vbCrLf & E.Message)*
>>
>> *End Try*
>>
>> *End Sub*
>>
>>
>>
>> *Thanks for ideas!*
>>
>> *dwilson*
>>
>> *"Nick Malik" <nickmalik@hotmail.nospam.com> wrote in message*
>> *news:bfMjd.585466\$8_6.498363@attbi_s04...*
>>> *Please post an example of code that is not working in exception*
> *handling.*
>>>
>>> *Also, depending on how the library was written, there is nothing wrong*
>> *with*
>>> *calling external library functions. well-written libraries are likely*
> *to*
>>> *raise their own errors at the proper places.*
>>>
>>> *-- Nick*
>>>
>>> *"Daniel Wilson" <d.wilson@embtrak.com> wrote in message*
>>> *news:%23H21j3ZxEHA.2040@tk2msftngp13.phx.gbl...*
>>>> *I am having exception-handling and stability problems with .NET. I*
> *will*
>>>> *have a block of managed code inside try...catch and will still get a*
>>>> *generic*
>>>> *.NET exception box that will tell me which assemblies are loaded*
> *before*
>>>> *shutting down. In one case, some of my DB-accessing code didn't*
> *handle*
>>> *a*
>>>> *NULL value properly. But try...catch wouldn't catch the exception*
> *and*
>> *keep*
>>>> *going. I'd just get the error message and then it would shut the*
>>>> *application down.*
>>>>
>>>> *Does .NET have problems like this? Or am I doing something wrong?*
I
>>> *can't*
>>>> *roll code like this out to our customers.*
>>>>
>>>> *Elsewhere in the application, I am using an open-source .NET library*
>> *that*
>>>> *extern's lots of functions. I am going back through that library*

> *trying*
>>> *to*
>>>> *add exception-handling, but if all it is is a lot of externs, I*
don't
>> *see*
>>>> *what I can do. Is a library like that inherently unstable?*
>>>>
>>>> *Thanks*
>>>>
>>>>
>>>> *--*
>>>> *Daniel Wilson*
>>>> *Senior Software Solutions Developer*
>>>> *Embtrak Development Team*
>>>> *<http://www.Embtrak.com>*
>>>> *DVBrown Company*
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