

## Re: Problem using newly created user function in Excel 2003

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*Source:* <http://www.tech-archive.net/Archive/Excel/microsoft.public.excel.misc/2007-01/msg02820.html>

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- *From:* "Richard" <[RichardDummyMailbox58407@xxxxxxxxxxxxxxxxxxxxxx](mailto:RichardDummyMailbox58407@xxxxxxxxxxxxxxxxxxxxxx)>
  - *Date:* 20 Jan 2007 23:08:16 -0800
- 

Hi Mike,

You can re name the modules. In the VB editor select the module you want to

re name and look at the properties [snip]

You're so right, Mike. Except the guys at Microsoft didn't follow the nearly universal standard in Microsoft products and 3rd party Windows applications: Instead of display "Properties" at the end of the context menu, they stuck "VBAProject properties" near the top. No wonder I didn't notice any "Properties" offering.

If I may, can I ask an additional question? On a different thread today, somebody told me about "Private Sub Worksheet\_Change(ByVal Target As Range)" for automating some data-entry tasks. I then found that documented in

<http://www.microsoft.com/office/community/en-us/default.aspx?cat=en-us-excel&lang=en&cr=US&guid=&sloc=en>

I copied the latter routine as the third procedure in Module1 associated with my worksheet, modified slightly to make column D as the target for date, contingent on some of the columns A-C of the row being populated. It doesn't seem to work ... not even if I format the D column as Date.

How can I put some debugging code in there to determine whether that procedure is even being invoked when I enter data in columns A-C of row and then select a subsequent row? The code follows.

Thanks in advance for any additional help you may offer.

Best wishes,  
Richard

```
Private Sub Worksheet_Change(ByVal Target As Range)
If Intersect(Target, Columns("A:C")) Is Nothing Then
Exit Sub
```

Re: Problem using newly created user function in Excel 2003

```
End If  
n = Target.Row  
Cells(n, "D").Value = Format(Now, "mm-dd-yyyy")  
End Sub
```

Mike Rogers wrote:

Richard

You can re name the modules. In the VB editor select the module you want to re name and look at the properties for that module and you can re name it there.

Mike Rogers

"Richard" wrote:

Hi Gord,

Thanks for your response. I was just discovering the "module" issue by reading Microsoft's tutorial on Excel. As I opened my worksheet to follow Microsoft's advice, I checked the Newsgroup and saw your response. It worked great.

But where did my original function definition go? It seems like poor software engineering to allow a function to be defined and saved by user but have that function unavailable to the user. Do you have any idea why Microsoft cooked up that scheme. Or am I missing something?

It also seems strange to me that the context menu for "Module1" allows no renaming. Who wants Module1, Module2, ... ?

Nevertheless, your post explains why I could never see any evidence or my original automation code being invoked. And that was the point of posting this my question. I'm glad to have a solution.

Again, thank you, and

Best wishes,  
Richard

Gord Dibben wrote:

Richard

Your workbook is open and active.

You opened VBE using Alt + F11.

Re: Problem using newly created user function in Excel 2003

OK so far.

Now, where did you place the Function?

It will go into a general module in your workbook.

Select your workbook/project in the Project Explorer and Insert>Module.

Place the UDF in that module.

Your usage is correct =Area(A1,A2) in A3 returns 12

Gord Dibben MS Excel MVP

On 20 Jan 2007 20:57:00 -0800, "Richard"  
<RichardDummyMailbox58407@xxxxxxxxxxxxxxxxxxxx>  
wrote:

Hi,

I'm a retired Windows software developer,  
so I \*shouldn't\* be having  
this problem, but ...

I had help in automating an Excel task, but I  
couldn't get that  
procedure to work. Finally, I decided to test  
whether my problem was  
inability to invoke user-defined functions.  
So I followed the tutorial  
at  
<http://www.fontstuff.com/vba/vbatut01.htm>  
for creating a simple  
multiplication function.

After

1. Creating a new Excel worksheet;
2. Accessing the Visual Basic Editor with Alt-F11;
3. Creating the following function:  
Public Function Area(Length As Double,  
Width As Double)  
Area = Length \* Width  
End Function
4. Saving the function;
5. Entering the following:

Re: Problem using newly created user function in Excel 2003

3, 4, =Area(A1, A2)  
in cells 1, 2 and 3 of row A, respectively  
6. Pressing TAB to cause cell A3 to be  
evaluated;

cell A3 gets replaced with:  
#NAME?

I had reduced the security setting to Low,  
using Tools | Macro |  
Security, before I started this test, and I run  
under an Administrator  
account, so I don't think there's a security  
problem in this  
situation.

I'm running WindowsXP-Pro/SP2 and  
Office 2003 with up-to-date Microsoft  
Windows Update and plenty of security  
software, so I don't think  
there's a chance that there's a virus at play in  
this problem. I've  
got 0.5GB RAM and over 100GB of free  
hard drive space, so I don't  
think there's a resource problem either.

I think I'm missing something simple.

Any ideas?

Thanks in Advance,  
Richard