
Subject: DoSum(), DoAvg(), etc... and search operations

Posted by [jeremy_c](#) on Thu, 15 Oct 2009 15:13:21 GMT

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Hello,

I use to define WhenUpdateSummary and did my own suming but when searching to fix my problem I found DoSum(), DoAvg(), etc... I now use that, much easier!

Anyway, my root problem/desire is to change the summary when the person begins to search. I noticed that when I had my own WhenUpdateSummary defined, that it was called each time the search was revised, which is good but I could not figure out how to tell if a given row was displayed in the search results or hidden from the search results.

I then found DoSum() and friends hoping that it would handle it interally but it does not seem to pay attention to the items displayed status either.

So, my question is, how can I make the summary display only what is shown not other items that are hidden due to a search. Now, the idea is also that if there is no active search than the whole grid would be summed of course. I'd like to be able to do this with the build in DoSum and friend functions but will use a WithUpdateSummary event function if necessary.

Thanks,

Jeremy

Subject: Re: DoSum(), DoAvg(), etc... and search operations

Posted by [unodgs](#) on Thu, 15 Oct 2009 20:45:10 GMT

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To check is a given row is displayed or not use this code:

```
grid.GetRow(n).IsHidden();
```

To check if row matches a search pattern:

```
grid.GetRow(n).IsFound();
```

As for DoSum() etc - it's fixed now, it sums only visible rows. Patch will be available tomorrow together with sorting fix.

Subject: Re: DoSum(), DoAvg(), etc... and search operations

Posted by [jeremy_c](#) on Thu, 15 Oct 2009 20:58:44 GMT

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I did try the `IsFound()` and `IsHidden()` when I saw them in `GridCtrl` source, however, I quickly found out they are private members?

```
if (log.GetRow(row).IsFound())
```

Output:

```
C:\Development\Projects\UppApps\FlightWise\FlightWise.cpp(73) : error C2248:
'Upp::GridCtrl::ItemRect::IsFound' : cannot access private member declared i
n class 'Upp::GridCtrl::ItemRect'
    C:\Development\Tools\upp.svn\uppsrc\GridCtrl/GridCtrl.h(584) : see declaration of
'Upp::GridCtrl::ItemRect::IsFound'
    C:\Development\Tools\upp.svn\uppsrc\GridCtrl/GridCtrl.h(453) : see declaration of
'Upp::GridCtrl::ItemRect'
```

Jeremy

Subject: Re: DoSum(), DoAvg(), etc... and search operations

Posted by [jeremy_c](#) on Thu, 15 Oct 2009 21:15:41 GMT

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Also, on the `DoMin()` and `DoMax()` type functions, can this be added to `GridCtrl.cpp` around line 4627 (`SyncSummary` function)? It allows the `DoMin()` and `DoMax()` summary options to work on Dates.

```
else if (IsDateTime(v))
{
    switch(sop)
    {
        case SOP_MIN:
            if (((Date) v) < ((Date) t))
                t = v;
            break;
        case SOP_MAX:
            if (((Date) v) > ((Date) t))
                t = v;
            break;
        case SOP_SUM:
        case SOP_AVG:
            t = v;
            break;
    }
}
```

Jeremy
