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Subject: GridCtrl/DropGrid problem: Value related.  
Posted by [Lance](#) on Mon, 29 Aug 2011 19:01:22 GMT  
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I didn't update my UPP for a while. Then I did a update yesterday, only to find a previously working program now crashes.

I use an ArrayCtrl to display/edit data. There is an integer field whose Converter (Format/Scan) has been tested to work correctly. There is a DropGrid ctrl assoicated with the field for editing. The problem occurs when the edit started on a new row, or on any row where the field doesn't have a valid value.

The process is like following:

1. When I clicked the field to have it enter edit mode, I notice it works as intended;
2. When I use up/down arrow to select a value from the DropGrid's pick list, it works fine. After this, I can use keyboard or mouse to bring up the popup and make selection as before (the update);
3. If I skipped step 2 and the field is currently blank, press keyboard or double click in the field will crash the program, with a debug time message:  
Assertion failed in c:\upp\uppsrc\core\Vcont.h, line 33  
i>=0 && i<items

I figure it happened when DropGrid is trying to search a match entry in the picklist where none is existent.

I haven't done a simplified test example yet because most likely unodgs already got a fix to my problem.

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Subject: Re: GridCtrl/DropGrid problem: Value related.  
Posted by [Lance](#) on Mon, 29 Aug 2011 23:48:27 GMT  
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I have created a simple example to reproduce the error. See attached zip file.

The fruit in the first line have been entered use up/down arrow key. When I try to use dropdown or keyboard to choose one for the second line, error happened. See the following picture.

### File Attachments

1) [ScreenShot.png](#), downloaded 932 times

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irid <meta> Test.lay main.cpp String.h Util.cpp

Name	Choice
Sam	Orange
Sara	

Fatal error

Assertion failed in c:\upp\uppsrc\core\Vcont.h, line 100  
i >= 0 && i < items

# Stream.h Sleep(int msec) : void String TimeStop::ToS

2) [TestDropGrid.zip](#), downloaded 628 times

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Subject: Re: GridCtrl/DropGrid problem: Value related.  
 Posted by [unodgs](#) on Tue, 30 Aug 2011 06:14:36 GMT  
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Please use this fix (it will be committed in the evening)

```
void DropGrid::SearchCursor()
{
  if(!list.IsCursor())
    return;

  if(trowid < -1)
    trowid = rowid;
  value = list.Get(value_col);
  rowid = list.GetRowId();
  Refresh();
}
```

Crash was caused by one of the latest changes (feature request) that WhenSearchString should be called when list is cleared.

Thank you for the test case! (It really speeds up finding bugs)

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Subject: Re: GridCtrl/DropGrid problem: Value related.

Posted by [Lance](#) on Tue, 30 Aug 2011 12:09:11 GMT

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I am glad it's fixed. Thank you!

GridCtrl&DropGrid are very powerful widgets. Is there a thread to advise of the recently added features?

When using DropGrid as a program user, I noticed sometimes the DropGrid's behavior is less stable/correct than expected.

I use keyboard input to bring up the popup and searchhiderow(?) is set to true.

1. Sometimes the Popup's position/size is not correct. It's not open towards the side with more space. When it open upwards, sometime the column header or even first couple of entries are off the screen. Sometimes there is only one entry displayed even though there are more than one candidates.

2. Most of the time there will be a currently selected entry so that I can use navigation key to move to the intended entry and use enter key to select it. But occasionally (about 1/7) there will not be a highlighted row and navigation key will not work at all. I have to switch to mouse to click one to select.

If you need I will try to create a sample program to reproduce the defects I mentioned above. Please let me know. If you are too pressed with other more important issues, than forget it. It doesn't bother me as much anyways.

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Subject: Re: GridCtrl/DropGrid problem: Value related.

Posted by [unodgs](#) on Tue, 30 Aug 2011 15:41:15 GMT

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Lance wrote on Tue, 30 August 2011 08:09

If you need I will try to create a sample program to reproduce the defects I mentioned above. Please let me know. If you are too pressed with other more important issues, than forget it. It doesn't bother me as much anyways.

Please prepare a program especially if the problem that occurs is not so easy to reproduce. That

will save me a lot of time.

PS: I use DropGrid/GridCtrl controls a lot in my applications - that means it's also my business to have them working correctly , so I'm very happy to fix every possible bug small or big one.

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Subject: Re: GridCtrl/DropGrid problem: Value related.

Posted by [Lance](#) on Tue, 30 Aug 2011 20:33:43 GMT

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That's great. I have slightly change the test program, basically added more entries.

The following shows when the popup HAPPENED to show as a short rectangle when input string is "br":

The exactly same input of "br", in most time will produce popup like this:

The problem with the short one is that if the "br" was a mistake, I backspace one to change the search string to "b", a lot more entries now qualifies, but the size of the popup will never change before close and open again.

Here is a example of position/size problem:

This happens more consistent. It invariably repeat itself as long as the current row is close to the center of the screen.

Other problems are harder to repeat. I'll do more experiment to see if I can find a rule.

## File Attachments

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1) [narrow.png](#), downloaded 927 times

Choice

adaptation to the target.

Strawberry

```
struct ConvertChoice : public Convert
```


array.AddColumn Choice .SetConvertconv.Editdrop;

Strawberry

incomplete, I don't know how close it

framebuffer library

ID	String
38	framebuffer library
148	Fabrice Bellard that he had



2) [wide.png](#), downloaded 907 times

Choice

adaptation to the target.

Strawberry

```
struct ConvertChoice : public Convert
```


array.AddColumn Choice .SetConvertconv.Editdrop;

Strawberry

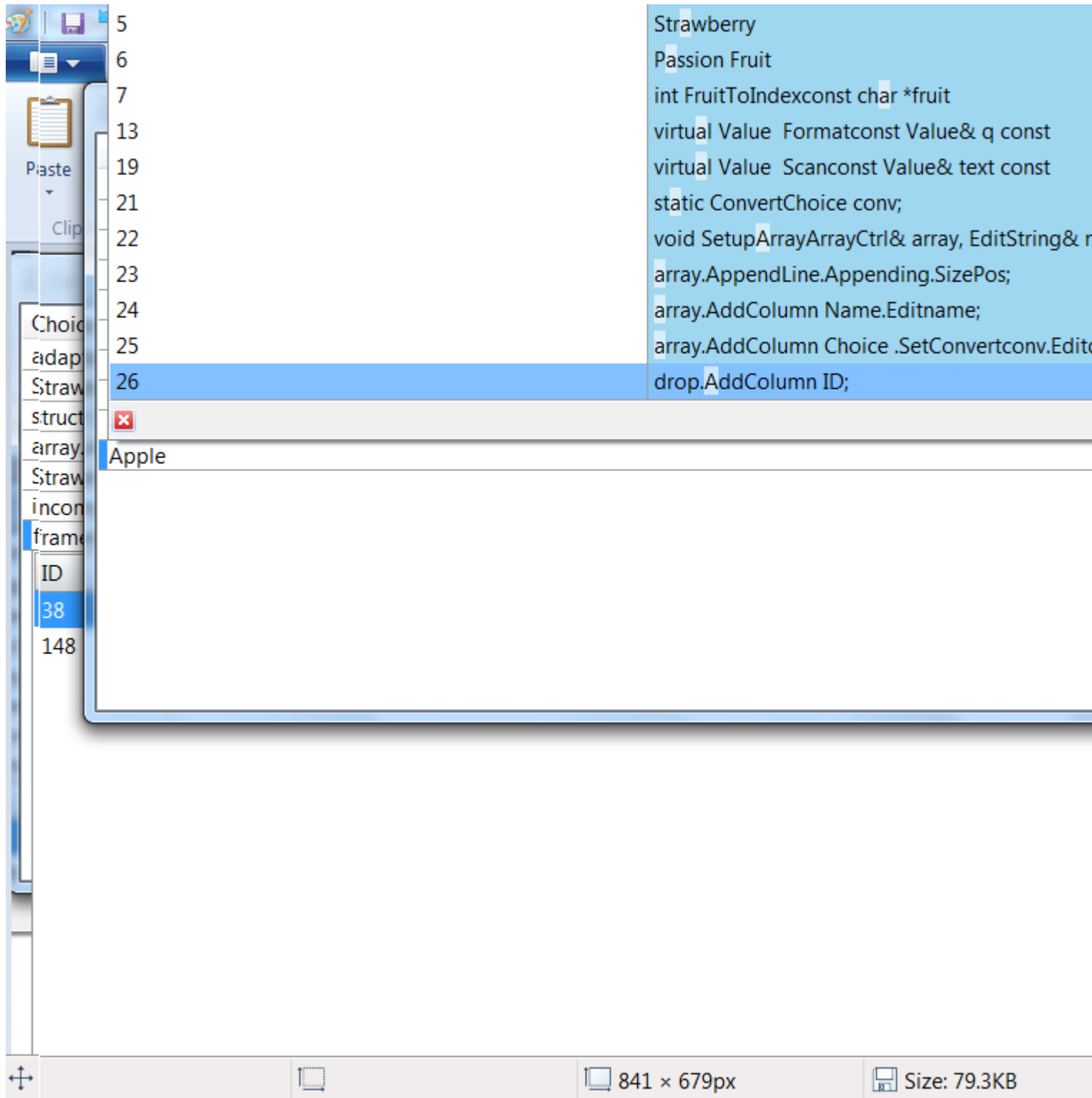
incomplete, I don't know how close it

framebuffer library

ID	String
38	framebuffer library
148	Fabrice Bellard that he had



3) [wrongsize.png](#), downloaded 921 times



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Subject: Re: GridCtrl/DropGrid problem: Value related.

Posted by [Lance](#) on Tue, 30 Aug 2011 20:37:23 GMT

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Here is the new program.

## File Attachments

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1) [TestDropGrid.zip](#), downloaded 433 times

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