Subject: Re: GridCtrl empty cells pasted from Excel
Posted by unodgs on Tue, 26 Aug 2008 10:08:27 GMT

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koldo wrote on Tue, 26 August 2008 05:16Hello unodgs

Sorry. I have found the problem in my program but I do not know how to fix it.

The problem comes from a field with "SetDisplay" that gets the exception when pasting from Notepad and corrupts the Date field beside it as described in the posts.

For example this works right:
myGridCtrl.AddColumn(ISMARRIED, t_("Is married?")).Edit(isMarried).Default(-1);

and this wrong:
myGridCtrl.AddColumn(ISMARRIED, t_("Is married?")).SetDisplay(Single<DispPM>()).Edit(isMarried).Default(-1);

in this case much better is to use conveter. DropGrid implements Convert interface so you can just write:

myGridCtrl.AddColumn(ISMARRIED, t_("Is married?")).Edit(isMarried).SetConvert(isMarried).Default(-1);

or in short form

myGridCtrl.AddColumn(ISMARRIED, t_("Is married?")).EditConvert(isMarried).Default(-1);

Quote:
isMarried is declared this way:
DropGrid isMarried;

And initialized this way:
isMarried.Add(1, t_("Yes")).Add(-1, t_("No"));

So I want to store an integer from a DropGrid with strings.

Going to DisPM, as I want to see "Yes" or "No" in the cells, this is the original version that works properly with rows copied directly from GridCtrl but gets an exception if copied from Notepad:

```
struct DispPM : GridDisplay
{
  virtual void Paint(Draw &w, int x, int y, int cx, int cy, const Value &val, dword style, Color &fg,
Color &bg, Font &fnt, bool found, int fs, int fe)
  {
    String text;
    if(!val.IsNull())
      text = int(val) > 0 ? "Yes" : "No";
```

```
    else
      text = "";
    GridDisplay::Paint(w, x, y, cx, cy, Value(text), style, fg, bg, fnt, found, fs, fe);
  }
};
```

This other version lets paste from Notepad but does not show "Yes" or "No" but empty cells

```
struct DispPM : GridDisplay
{
  virtual void Paint(Draw &w, int x, int y, int cx, int cy, const Value &val, dword style, Color &fg,
Color &bg, Font &fnt, bool found, int fs, int fe)
  {
    w.DrawRect(x, y, cx, cy, bg);
    if(!val.IsNull())
      w.DrawText(x, y, int(val) > 0 ? "Yes" : "No", fnt, fg);
    GridDisplay::Paint(w, x, y, cx, cy, Value(""), style, fg, bg, fnt, found, fs, fe);
  }
};
```

Do you have any idea?
When you paste data from excel clipboard you in fact copy String values into the grid's cells. Now in your code you cast String value to int value and there is your exception. In DropGrid case everything is fine as it stores in cell integer value.

It's a serious problem. I think grid should provide WhenPasteCell(int x, int y, Value& v) callback when you could convert String value object to proper type (like int). I'll try to do sth with it. Maybe I'll add some kind of auto converter too.