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Subject: Handle editable value in GridCtrl

Posted by [koldo](#) on Wed, 09 Dec 2009 16:03:35 GMT

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Hello Uno

I wanted to derive GridCtrl to have a very basic SpreadSheet control.

To get that, I wanted to keep per cell the formula and the value to be visualized.

The behavior should be: If the cursor is in the cell, the formula is visualized and if not, the value is visualized.

I have tried some ways but without success:

- To prepare a Cell class with members value (Value) and formula (String).

Every cell in the GridCtrl is set a Cell, like in  
`grid.Set(23, 45, Cell(5, "2+3"));`

This is slow for big GridCtrls

And Cell class has:

```
operator Value() { return RawToValue<Cell>(*this); }
```

A Convert class is used to visualize the value:

```
Value Format(const Value &q) const {  
    if (q.IsNull())  
        return Null;  
    else if (IsTypeRaw<Cell>(q)) {  
        const Cell &pv = ValueTo<Cell>(q);  
        return pv.value;  
    } else  
        return "Unknown";  
}
```

But I do not know how to show the formula when the cursor is in the cell, and how to get the edited value to be set in the Cell formula member.

- To have an Array <Cell> like previous (without value as value is itself in the GridCtrl)

But I have the same problem: I do not know to show the formula and not the value when the cursor is in the cell.

Do you have any idea ?

Best regards

Koldo

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Subject: Re: Handle editable value in GridCtrl  
Posted by [koldo](#) on Wed, 09 Dec 2009 17:13:26 GMT  
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Hello Uno

Perhaps other focus would be to have an EditString that would appear on the selected cell when double clicked.

The problem I have is that I do not know the location of the double-clicked cell to fit on it the EditString.

In the screenshot the cell with "20" has been double clicked, the EditString is filled with the right formula ( $12+8 = 20$ ), but it should be moved and sized on the selected cell.

Best regards  
Koldo

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#### File Attachments

1) [Dib.PNG](#), downloaded 824 times

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Subject: Re: Handle editable value in GridCtrl  
Posted by [koldo](#) on Thu, 10 Dec 2009 09:43:45 GMT  
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Hello Uno

Following the last option I have found the function GetItemRect(row, col) that returns the Rect of the cell indicated.

The bad thing is that it is private and that I will have to find something to resize the EditString over the cell when resizing the column.

Best regards  
Koldo

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Subject: Re: Handle editable value in GridCtrl  
Posted by [unodgs](#) on Sun, 13 Dec 2009 20:51:35 GMT  
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Hi!

Very interesting problem. I tried to do it using similar to yours approach but I failed too. I think I'll introduce new API to handle this problem. I won't give you any details right now but expect it very soon.

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