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Subject: DropDate Crash

Posted by [jimlef](#) on Wed, 08 Dec 2021 03:50:24 GMT

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Decided to rewrite a little app once again, this time using sqlite and planning on adding more features... I have downloaded the latest stable UPP (15947 as of today) and use this to clean compile before posting. Anyway, I've got a little window to add a record to the larger table:

```
LAYOUT(NewDrawingLayout, 464, 120)
ITEM(Upp::DropDate, dpDate, LeftPosZ(8, 104).TopPosZ(28, 19))
ITEM(Upp::EditInt, txtFirst, MaxChars(2).LeftPosZ(128, 28).TopPosZ(28, 19))
ITEM(Upp::EditInt, txtSecond, MaxChars(2).LeftPosZ(172, 28).TopPosZ(28, 19))
ITEM(Upp::EditInt, txtThird, MaxChars(2).LeftPosZ(216, 28).TopPosZ(28, 19))
ITEM(Upp::EditInt, txtFourth, MaxChars(2).LeftPosZ(256, 28).TopPosZ(28, 19))
ITEM(Upp::EditInt, txtFifth, MaxChars(2).LeftPosZ(300, 28).TopPosZ(28, 19))
ITEM(Upp::EditInt, txtSixth, MaxChars(2).LeftPosZ(348, 28).TopPosZ(28, 19))
ITEM(Upp::EditInt, txtBonus, MaxChars(2).LeftPosZ(420, 28).TopPosZ(28, 19))
ITEM(Upp::Button, btnAdd, SetLabel(t_("Add New")).LeftPosZ(32, 56).TopPosZ(76, 15))
ITEM(Upp::Button, cancel, SetLabel(t_("Cancel")).LeftPosZ(364, 56).TopPosZ(76, 15))
END_LAYOUT
```

And I've created a simple class for it:

```
class NewDrawing : public WithNewDrawingLayout<TopWindow> {

public:
    NewDrawing();
    void AddNew();
    int CheckBet(int bet[6], int drawing[7]);
    int CheckAllBets(int drawing[7]);
};
NewDrawing::NewDrawing()
{
    CtrlLayout(*this, "Lotto Tools by Jim");
    // Button assignments here
    cancel << [=] { Close(); };
    btnAdd << [=] { AddNew(); };

    dpDate.SetConvert(DateIntConvert());
}

void NewDrawing::AddNew()
{
    bool doit = false;
    if (IsNull(txtFirst) || IsNull(txtSecond) || IsNull(txtThird) || IsNull(txtFourth) || IsNull(txtFifth) ||
        IsNull(txtSixth) || IsNull(txtBonus))
    {
```

```

    Exclamation("Must fill in all values first");
    return;
}
// Date betdate = dpDate.GetData();
doit = (bool)PromptOKCancel("Are you sure you want to add this drawing?");
if (!doit) Close();

int drawing[7] = { txtFirst.GetData(), txtSecond.GetData(),
    txtThird.GetData(), txtFourth.GetData(),
    txtFifth.GetData(), txtSixth.GetData(), txtBonus.GetData()
};
SQL * Insert(RESULTS)
(DRAWDATE, dpDate.GetData())
(FIRST, drawing[0])
(SECOND, drawing[1])
(THIRD, drawing[2])
(FOURTH, drawing[3])
(FIFTH, drawing[4])
(SIXTH, drawing[5])
(BONUS, drawing[6]);
CheckAllBets(drawing);
Close();
}

```

The convert code is:

```
Convert& DateIntConvert();
```

```

struct DateIntConvertCls : ConvertDate {
    virtual Value Format(const Value& q) const;
    virtual Value Scan(const Value& text) const;
    virtual int Filter(int chr) const;
};
// From sql borrow.cpp example
Value DateIntConvertCls::Format(const Value& q) const
{
    return IsNull(q) ? String() : ::Format(Date( 1970, 1, 1) + (int)q);
}
// Modified from UPP source
Value DateIntConvertCls::Scan(const Value& text) const
{
    const char *s;
    Date date;
    String txt = text;
    if(txt.IsEmpty()) return (Date) Null;
    s = StrToDate(date, txt);
    if(s)

```

```

for(;;) {
    if(!sDigit(*s))
        break;
    if(*s == '\0')
        return date - Date(1970, 1, 1);
    s++;
}
return ErrorValue(t_("Invalid date !"));
}

int DateIntConvertCls::Filter(int chr) const
{
    return CharFilterDate(chr);
}

Convert& DateIntConvert()
{
    return Single<DateIntConvertCls>();
}

```

Using an EditDate, I can compile the program and type in a valid date. I can then save a record, without crashing. I close the program, change the EditDate to DropDate (in layout, all else the same) - and after recompiling, as soon as I go to choose a date the program will crash.

When I step through to the point of selecting the date, I get the error "Thread 1 "LottoTools" received signal SIGABRT, Aborted." as soon as I click on the calendar.

Any ideas? Have I stumbled on a bug? Or am I just goin nuts ;)

Thanks!

Subject: Re: DropDate Crash  
 Posted by [jimlef](#) on Wed, 08 Dec 2021 15:37:46 GMT  
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I've written a small test program focusing on drop date and sqlite - can't seem to repeat the crash, so no bug in upp. I'll have to keep tweaking my code till I find it.  
 Edit: Found that it doesn't like my dateconvert functions... I've been through this before LOL