Subject: DateTimeCtrl 1.06 released
Posted by unodgs on Tue, 15 Aug 2006 08:47:49 GMT
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Hi!

I developed new version of datetime ctrl. Please use it and report any bug. This version brings two importnat features: Scalability with system font size and calendar as a separate control:

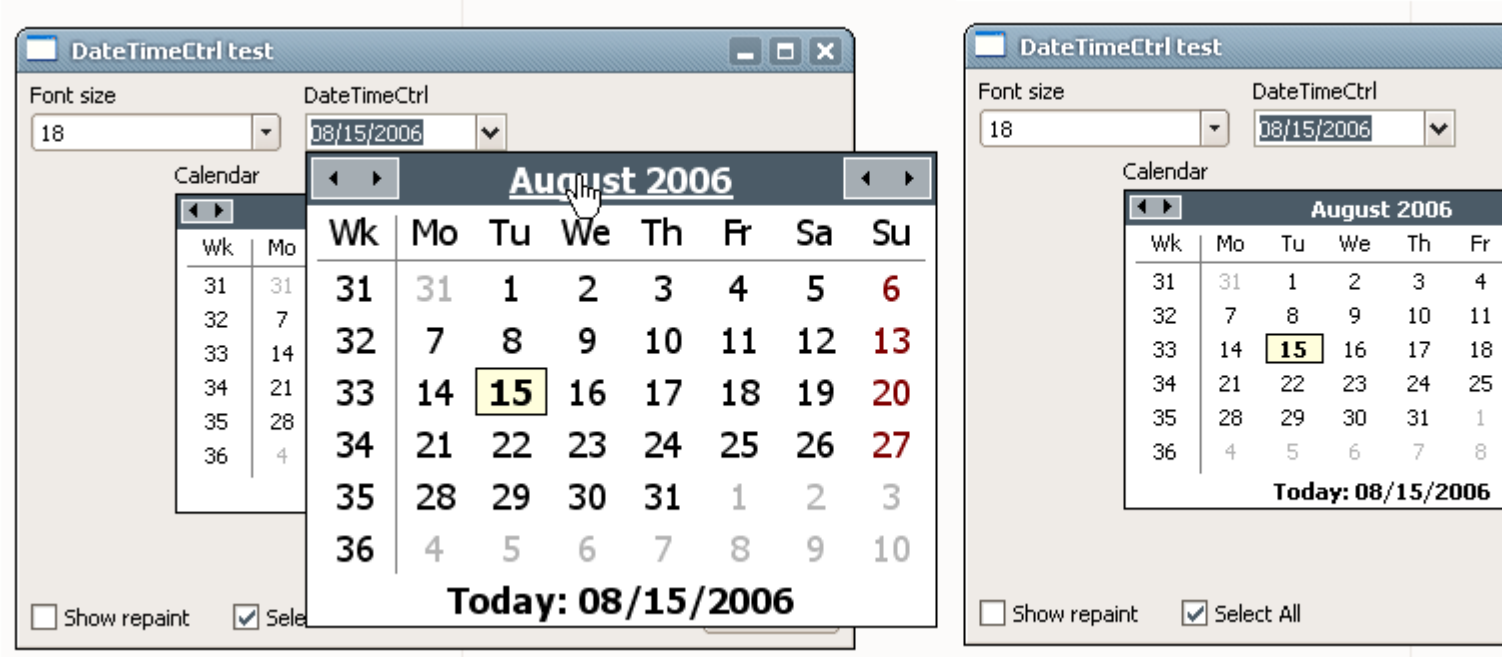
Sources: http://dgs.pac.pl/dgs.php?page=downloads

Changelog:
- fixed crash introduced in 1.05
* DateTimePopUp class renamed to Calendar
+ calendar scales properly with used font's size
+ calendar can be now used as a separate control
+ highlighting if header date is pointed
* SetSize() method removed
* SetBorderSize() method removed
* Select All days is now default
* calendar use colors appropriate to selected gui theme
* other various fixes and improvements

PS: Mirek it seems that tips on popup windows stopped to work again..
PS2: h3l1 - I also included your translations

File Attachments

1) dt_1.06.png, downloaded 4814 times



Subject: Re: DateTimeCtrl 1.06 released
Posted by rbmatt on Tue, 15 Aug 2006 16:40:56 GMT
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Works great in my application. Thanks!

Subject: Re: DateTimeCtrl 1.06 released
Posted by unodgs on Tue, 15 Aug 2006 20:09:49 GMT
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rbmatt wrote on Tue, 15 August 2006 12:40Works great in my application. Thanks!
Good to hear that

Subject: Re: DateTimeCtrl 1.06 released
Posted by Werner on Tue, 15 Aug 2006 20:12:44 GMT
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Excellent work!

Might I nonetheless suggest to add an option which takes the "1st calendar week problem" into account?

There are three different ways to number the weeks of a year:

1.
The 1st week is the week containing January, 1.
This is the Microsoft Excel version.

2.
The 1st week is the 1st complete week of the year (rising the problem of the first day of the week: Sunday or Monday).

3.
The 1st week is the week containing at least four days of the new year.
This is ISO 8601.

Werner

Subject: Re: DateTimeCtrl 1.06 released
Posted by unodgs on Tue, 15 Aug 2006 20:37:16 GMT
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Yes you're right. I just used method appropriate for europe (I think so, I'm not an expert in this

topic...).
The only problem is to find proper algorithms for method:

WeekOfYear(int day, int month, int year)

if you know them please mail them to me.

I will also add ability to choose what day of week is first monday or sunday - in one of next versions..

Subject: Re: DateTimeCtrl 1.06 released
Posted by Werner on Tue, 15 Aug 2006 21:20:07 GMT
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unodgs wrote on Tue, 15 August 2006 22:37Yes you're right. I just used method appropriate for europe (I think so, I'm not an expert in this topic...).
The only problem is to find proper algorithms for method:

WeekOfYear(int day, int month, int year)

if you know them please mail them to me.

I will also add ability to choose what day of week is first monday or sunday - in one of next versions..

I'll look around. In a rush I only found the following spreadsheet formula to calculate the week of a year from a date in cell A1 according to ISO 8601:

TRUNCATE((A1-DATE(YEAR(A1-REST(A1-2;7)+3);1;REST(A1-2;7)-9)) /7)

(I hope this is clear. I had to translate the formula from German to English. And I even didn't test it)

Werner

Subject: Re: DateTimeCtrl 1.06 released
Posted by h3l1 on Wed, 16 Aug 2006 08:17:10 GMT
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Hi,

cool work! Thanks alot

Subject: Re: DateTimeCtrl 1.06 released
Posted by Werner on Wed, 16 Aug 2006 19:48:53 GMT
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unodgs wrote on Tue, 15 August 2006 22:37Yes you're right. I just used method appropriate for europe (I think so, I'm not an expert in this topic...).
The only problem is to find proper algorithms for method:

WeekOfYear(int day, int month, int year)

if you know them please mail them to me.

I will also add ability to choose what day of week is first monday or sunday - in one of next versions..

The following link is not exactly what I was looking for - it's C# ...

Anyway I could imagine that it might prove quite useful :

http://www.codeproject.com/cs/miscctrl/MonthCalendar.asp

As soon as I find something in C or C++ I'll let you know.

Werner

Subject: Re: DateTimeCtrl 1.06 released
Posted by unodgs on Wed, 16 Aug 2006 20:42:59 GMT
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Werner wrote on Wed, 16 August 2006 15:48
The following link is not exactly what I was looking for - it's C# ...

Anyway I could imagine that it might prove quite useful :

http://www.codeproject.com/cs/miscctrl/MonthCalendar.asp

As soon as I find something in C or C++ I'll let you know.

Thanks! Unfortunately this calendar calculates week number using ISO8601 method which is already implemented in datetimectrl...

PS: Do we really need another method of week calculation??

Subject: Re: DateTimeCtrl 1.06 released
Posted by Werner on Thu, 17 Aug 2006 16:24:41 GMT
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Quote:Thanks! Unfortunately this calendar calculates week number using ISO8601 method which is already implemented in datetimectrl...

PS: Do we really need another method of week calculation??

I strongly believe so!

Please refer to http://en.wikipedia.org/wiki/Week "Week number". You can read there that at least the US uses a system different from ISO 8601. I can't imagine that a library which doesn't consider US customs will be successful - be this desirable or not.

And even more compelling: http://www.merlyn.demon.co.uk/weekinfo.htm. I only now learned that there are UK and US tax weeks. While writing an application to calculate taxes may not be the everyday job of an ordinary programmer, this is definitely a typical computer task. Providing a flexible week-of-the-year feature would be a nice unique "selling" point of Ultimate++.

Or am I too demanding?

Werner

Subject: Re: DateTimeCtrl 1.06 released
Posted by fudadmin on Thu, 17 Aug 2006 16:49:29 GMT
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I need flexible switching of weeks, too.

Subject: Re: DateTimeCtrl 1.06 released
Posted by unodgs on Thu, 17 Aug 2006 16:58:03 GMT
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Quote:Or am I to demanding?
Of course not. It's an easy task - just need to find algorithm. I always been week in dates calculations - that's why I'm looking for solution out of box.

Subject: Re: DateTimeCtrl 1.06 released
Posted by masu on Thu, 24 Aug 2006 20:29:51 GMT
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I compiled your DateTimeCtrl package and it works fine after removing reference on String in line 473 in DateTimeCtrl.cpp. I compiled with version 608.r21.
By the way, I had to change the image file location #define and the layout file location #define from relative to absolute spec, because they could not be found. Is this normal or does this effect only exist due to the fact that I have the DateTimeCtrl package in a totally different directory tree as the upp sources?

Matthias

Subject: Re: DateTimeCtrl 1.06 released
Posted by unodgs on Thu, 24 Aug 2006 21:35:48 GMT
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masu wrote on Thu, 24 August 2006 16:29I compiled your DateTimeCtrl package and it works fine after removing reference on String in line 473 in DateTimeCtrl.cpp. I compiled with version 608.r21.
By the way, I had to change the image file location #define and the layout file location #define from relative to absolute spec, because they could not be found. Is this normal or does this effect only exist due to the fact that I have the DateTimeCtrl package in a totally different directory tree as the upp sources?

Matthias

I'm sorry for any trouble. Yesterday I did many fixes due to gcc and linux compatibility (including that ones you're describing). When I also add ability to choose first day of week I will release 1.07

Subject: Re: DateTimeCtrl 1.06 released
Posted by masu on Fri, 25 Aug 2006 09:12:21 GMT
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unodgs wrote on Thu, 24 August 2006 23:35I'm sorry for any trouble. ...

No problem at all, thank you for the great control .
I just wanted to let you know about the issues.

Matthias

Subject: Re: DateTimeCtrl 1.06 released

Posted by zsolt on Tue, 19 Sep 2006 22:51:33 GMT
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I have found a small bug. In ReadOnly mode, user can click on drop button, dropping the calendar.
I added a line to void DateTimeCtrl::OnDrop() method as first line:
if(!IsEditable()) return;
Now it works perfectly. Btw thanks for this good work

Subject: Re: DateTimeCtrl 1.06 released
Posted by unodgs on Wed, 20 Sep 2006 06:35:48 GMT
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zsolt wrote on Tue, 19 September 2006 18:51I have found a small bug. In ReadOnly mode, user can click on drop button, dropping the calendar.
I added a line to void DateTimeCtrl::OnDrop() method as first line:
if(!IsEditable()) return;
Now it works perfectly. Btw thanks for this good work
Thanks! Your fix will be added to the next version 1.07.

Subject: Re: DateTimeCtrl 1.06 released
Posted by fallingdutch on Sun, 05 Nov 2006 13:51:37 GMT
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found a small "bug"

when clicking on today but you are in another month or year the calendar won't change to todays month and year:
changed Calendar::LeftDown(Point p, dword keyfile)

```
[...]
if(aspopup) {
[...]
} else {
  [...]
  RefreshDay(prevday);
  if(istoday)
    SetDate(dt); //this line was changed
  else if()
    [...]
}
```

Bas

Subject: Re: DateTimeCtrl 1.06 released

Posted by unodgs on Sun, 05 Nov 2006 14:21:22 GMT
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Thanks! You're right. I merged your patch with my sources.

Subject: Re: DateTimeCtrl 1.06 released
Posted by fallingdutch on Sun, 05 Nov 2006 22:02:32 GMT
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you are welcome,

another "bug" when compiling with 610-dev4:
since 610-dev3 the function "IsXpStyle()" is gone, so the following line in
DateTimeCtrl.icpp should be changed:

```
void Calendar::PopUp(Ctrl *owner, Rect &rt) {
  Close();
  Reset();

  SetRect(rt);
  //Ctrl::PopUp(owner,true,true,IsXpStyle()); I am old!
  Ctrl::PopUp(owner);
  open=true;
}
```

Bas

Subject: Re: DateTimeCtrl 1.06 released
Posted by unodgs on Sun, 05 Nov 2006 22:27:40 GMT
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fallingdutch wrote on Sun, 05 November 2006 17:02you are welcome,

another "bug" when compiling with 610-dev4:
since 610-dev3 the function "IsXpStyle()" is gone, so the following line in
DateTimeCtrl.icpp should be changed:

```
void Calendar::PopUp(Ctrl *owner, Rect &rt) {
  Close();
  Reset();

  SetRect(rt);
  //Ctrl::PopUp(owner,true,true,IsXpStyle()); I am old!
  Ctrl::PopUp(owner);
  open=true;
```

```
}
```

Bas
Thanks again, but this is already fixed. DateTime will be integrated with upp so in future such bugs will be fixed immediately. Sorry for troubles...

Subject: Re: DateTimeCtrl 1.06 released
Posted by zsolt on Sun, 05 Nov 2006 22:58:29 GMT
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This would be better, I think:

```
void Calendar::PopUp(Ctrl *owner, Rect &rt)
{
 Close();
 Reset();

 SetRect(rt);
 //Ctrl::PopUp(owner, true, true, IsXPStyle());
 Ctrl::PopUp(owner, true, true, GUI_GlobalStyle() >= GUISTYLE_XP);
 open = true;
}
```

Subject: Re: DateTimeCtrl 1.06 released
Posted by unodgs on Sun, 05 Nov 2006 23:14:17 GMT
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zsolt wrote on Sun, 05 November 2006 17:58This would be better, I think:

```
void Calendar::PopUp(Ctrl *owner, Rect &rt)
{
 Close();
 Reset();

 SetRect(rt);
 //Ctrl::PopUp(owner, true, true, IsXPStyle());
 Ctrl::PopUp(owner, true, true, GUI_GlobalStyle() >= GUISTYLE_XP);
 open = true;
}
```

And this's exactely how it's really fixed

Subject: Re: DateTimeCtrl 1.06 released
Posted by fallingdutch on Tue, 07 Nov 2006 10:52:25 GMT
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just found another two things:

1. in DateTimeCtrl.cpp you define your IMAGEFILE local, that doesn't work for me, but "#define IMAGEFILE <DateTimeCtrl/DateTimeCtrl.iml>" does work

2. in Paint i get an Error on the line
String &s = DyName((i+1)%7);
it works with
String s = DyName((i+1)%7);

Bas

Subject: Re: DateTimeCtrl 1.06 released
Posted by unodgs on Tue, 07 Nov 2006 10:59:25 GMT
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fallingdutch wrote on Tue, 07 November 2006 05:52just found another two things:

1. in DateTimeCtrl.cpp you define your IMAGEFILE local, that doesn't work for me, but "#define IMAGEFILE <DateTimeCtrl/DateTimeCtrl.iml>" does work

2. in Paint i get an Error on the line
String &s = DyName((i+1)%7);
it works with
String s = DyName((i+1)%7);

Bas

Thanks! But I think I have this all already fixed (I did it when testing it under linux and using gcc).

Subject: Re: DateTimeCtrl 1.06 released
Posted by fallingdutch on Sun, 19 Nov 2006 13:04:10 GMT
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a callback when the selected day changed would be nice, so you can react on it by getting the current date and run some other code with the new date.

Bas

Subject: Re: DateTimeCtrl 1.06 released
Posted by unodgs on Sun, 19 Nov 2006 14:57:49 GMT
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fallingdutch wrote on Sun, 19 November 2006 08:04a callback when the selected day changed would be nice, so you can react on it by getting the current date and run some other code with the new date.

Bas

I think WhenAction is all you need...

datectrl <<= THISBACK(WhenDateChanges);
or

datectrl.WhenAction = THISBACK(WhenDateChanges);

Subject: Re: DateTimeCtrl 1.06 released
Posted by fallingdutch on Sun, 19 Nov 2006 15:48:46 GMT
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with a little change, yes:

i am only using Calendar, not DateTimeCtrl.

so I Added Action() to the else part of if(aspopup) in LeftDown(Point p, dword flags) after the three lines updating the current day, month and year.

```
void Calendar::LeftDown(Point p, dword flags) {
  [...]
  if(aspopup) {
    [...]
  } else {
    cday = dt.day;
    cmonth = dt.month;
    cyear = dt.year;

    Action();

    [...]
  }
}
```

Bas

Subject: Re: DateTimeCtrl 1.06 released
Posted by unodgs on Sun, 19 Nov 2006 16:07:44 GMT
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Yes, you're right, I thought you meant datetimectrl not the calendar.
I think there should be WhenAction() instead of your own callback Action.

Subject: Re: DateTimeCtrl 1.06 released
Posted by fallingdutch on Sun, 19 Nov 2006 16:45:52 GMT
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Action() calls the WhenAction callback

Bas

Subject: Re: DateTimeCtrl 1.06 released
Posted by unodgs on Sun, 19 Nov 2006 17:12:30 GMT
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fallingdutch wrote on Sun, 19 November 2006 11:45Action() calls the WhenAction callback
Bas
There is always something to learn about upp