Subject: DropTime problem
Posted by Tom1 on Mon, 15 Dec 2008 14:27:48 GMT
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Hi,

I'm using the DropTime control for entering time/date. I have set up the environment as follows.

```
SetDateScan("ymd");
SetDateFormat("%1:04d-%2:02d-%3:02d");
SetDateFilter("\a -.,/");
```

The date set in code or if selected from the calendar is correctly visualized e.g. for the current time as: "2008-12-15 16:20:55".

Now I'm trying to type in the desired date into the DropTime control, but it is impossible to feed the '-' character (hyphen/dash/minus/whatever) into the control. It seems, only . : and space work correctly as delimiters. I can't seem to find where the characters get filtered out. Help, anybody?

// Tom

Subject: Re: DropTime problem
Posted by Sender Ghost on Mon, 15 Dec 2008 17:22:23 GMT
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Tom1 wrote on Mon, 15 December 2008 19:27Hi,

I'm using the DropTime control for entering time/date. I have set up the environment as follows.

```
SetDateScan("ymd");
SetDateFormat("%1:04d-%2:02d-%3:02d");
SetDateFilter("\a -.,/");
```

The date set in code or if selected from the calendar is correctly visualized e.g. for the current time as: "2008-12-15 16:20:55".

Now I'm trying to type in the desired date into the DropTime control, but it is impossible to feed the '-' character (hyphen/dash/minus/whatever) into the control. It seems, only . : and space work correctly as delimiters. I can't seem to find where the characters get filtered out. Help, anybody?

// Tom

Hello, Tom.
You can see ConvertTime in the "Core/Convert.cpp":

```
int ConvertTime::Filter(int chr) const
{
 if(IsDigit(chr) || chr == ' ' || chr == '.' || chr == ':')
  return chr;
 if(chr == ',')
  return '.';
 return 0;
}
```

DropTime using it in the EditTime:

```
typedef EditMinMax<Time, ConvertTime> EditTime;


DropTime::DropTime() : DateTimeCtrl<EditTime>(CalendarClock::MODE_TIME) {}
```

Subject: Re: DropTime problem
Posted by Tom1 on Tue, 16 Dec 2008 12:00:39 GMT
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Hi,

Thanks! Now here's a suggestion: Change code in Core/Convert.cpp as follows:

```
int ConvertTime::Filter(int chr) const
{
 if(IsDigit(chr) || chr == ' ' || chr == '.' || chr == ':')
  return chr;
 if(chr == ',')
  return '.';
 return CharFilterDate(chr);
}
```

Time is not only hh:mm:ss, but also contains date in some format. I assume the filter should therefore accept the current date filter characters too.

// Tom

Subject: Re: DropTime problem

Tom1 wrote on Tue, 16 December 2008 17:00Hi,

Thanks! Now here's a suggestion: Change code in Core/Convert.cpp as follows:

```
int ConvertTime::Filter(int chr) const
{
 if(IsDigit(chr) || chr == ' ' || chr == '.' || chr == ':')
  return chr;
 if(chr == ',')
  return '.';
 return CharFilterDate(chr);
}
```

Time is not only hh:mm:ss, but also contains date in some format. I assume the filter should therefore accept the current date filter characters too.

// Tom

Why not use your implementation of DropTime widget ctrl? For example:

```
class MyConvertTime : public ConvertTime {
public:
 virtual int Filter(int chr) const
 {
  int c = CharFilterDate(chr);

  if (c != 0) return c;
  else return ConvertTime::Filter(chr);
 }
};

typedef EditMinMax<Time, MyConvertTime> MyEditTime;

class MyDropTime : public DateTimeCtrl<MyEditTime> {
public:
 MyDropTime();
 MyDropTime& SetTime(int y, int m, int d, int h, int n, int s);
 MyDropTime& Seconds(bool b = true) { DateTimeCtrl<MyEditTime>::Seconds(b);
MyEditTime::Seconds(b); return *this; }
 MyDropTime& NoSeconds() { return Seconds(false); }
};

MyDropTime::MyDropTime() : DateTimeCtrl<MyEditTime>(CalendarClock::MODE_TIME)
{}
```

```
MyDropTime& MyDropTime::SetTime(int y, int m, int d, int h, int n, int s)
{
 MyEditTime::SetData(Time(y, m, d, h, n, s));
 return *this;
}
```

Subject: Re: DropTime problem
Posted by Tom1 on Tue, 16 Dec 2008 15:38:41 GMT
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Although your workaround seems smart indeed, I prefer simply having it fixed in the Core, since then everybody using the control can have a working solution by default.

But thanks anyway!

// Tom

Subject: Re: DropTime problem
Posted by Sender Ghost on Tue, 16 Dec 2008 16:14:21 GMT
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Tom1 wrote on Tue, 16 December 2008 20:38Although your workaround seems smart indeed, I prefer simply having it fixed in the Core, since then everybody using the control can have a working solution by default.

But thanks anyway!

// Tom
I can suggest another more simple solution:

```
class ConvertDateTime : public ConvertTime
{
public:
 virtual int Filter(int chr) const
 {
  int c = CharFilterDate(chr);

  if (c != 0) return c;
  else return ConvertTime::Filter(chr);
 }
};
```

Then use ConvertDateTime with DropTime (e.g. dropTime) as follows:

dropTime.SetConvert(Single<ConvertDateTime>());

Also you can see SetFilter function of DropTime.

Subject: Re: DropTime problem
Posted by mirek on Thu, 18 Dec 2008 09:40:18 GMT
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Hi,

sorry for the delay. I believe the correct Core fix is this:

```
int ConvertTime::Filter(int chr) const
{
 if(IsDigit(chr) || chr == ' ' || chr == '.' || chr == ':')
  return chr;
 if(chr == ',')
  return '.';
 return CharFilterDate(chr);
}
```

Please check...

Mirek

Subject: Re: DropTime problem
Posted by Tom1 on Thu, 18 Dec 2008 10:29:44 GMT
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Hi Mirek,

I used this solution and it worked for me, but I assume it's the correct fix more generally as well. I could not spot it on SVN yet, but I suppose you will commit it shortly.

Thanks and regards,

Tom

Subject: Re: DropTime problem

Posted by mirek on Thu, 18 Dec 2008 10:36:34 GMT
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Tom1 wrote on Thu, 18 December 2008 05:29Hi Mirek,

I used this solution and it worked for me, but I assume it's the correct fix more generally as well. I could not spot it on SVN yet, but I suppose you will commit it shortly.

Thanks and regards,

Tom

There is 1 hour lag for svn mirror... (in other words, googlecode mirror gets updated each hour from the main svn repo).

Mirek