Subject: using a file chooser (dir chooser??) to get a dir and not a file
Posted by nlneilson on Sun, 05 Jun 2011 09:41:47 GMT
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How do you choose a directory rather than a file?
I have been using this code to choose a file:

```
    FileSel fn;
    void OpenAction() {
  fn.AllFilesType();
  String filename = fn;

  fn <<= Nvl(r_d, recent_dir);
  if(fn.ExecuteOpen()){ // file chooser
   workdirField<<=Value(fn);
   r_d = fn;
   recent_dir = ~fn;
  }
//     work.Run(THISBACK(Work));
    }
```

How can this be done to select a directory?

Is all I want to do is display the path and use that like:
cd C:\0-Neil\FAA\2011\Sectionals

I could parse the String filename but that would require a user to pick a file in that directory rather than just pick a directory. In some apps a directory can be chosen instead of a file.

Is there something built into U++ that can just select a directory??

Subject: Re: using a file chooser (dir chooser??) to get a dir and not a file
Posted by dolik.rce on Sun, 05 Jun 2011 16:34:47 GMT
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Hi Neil,

Quick look into the documentation would reveal to you, that FileSel has method ExecuteSelectDir() It does exactly what you ask for...

Honza

Subject: Re: using a file chooser (dir chooser??) to get a dir and not a file
Posted by nlneilson on Mon, 06 Jun 2011 01:24:44 GMT

Thanks Honza

I saw that but it gives no example code of how that is used.

Ecxuse me but I am not sharp enough to decipher this into usable code:
Quote:bool ExecuteSelectDir(const char *title = NULL)
Executes directory selection dialog. title can specify alternate caption of dialog. If user selects a file to open, returns true.

It looks like it returns a bool of true only if a specified ("file name") exists and not actually choosing a directory

I did a search in the forum for "ExecuteSelectDir" and found threads like this:
http://www.ultimatepp.org/forum/index.php?t=msg&goto=31413&&srch=ExecuteSelectDir#msg_31413
which had posts that included code like this:

```
FileSel fs;
fs.ActiveDir("C:/Test");


 return;

String selectedFolder = ~fs;
```

Trying code similar this there were errors like "it doesn't take 0 parameters".

After searching and trying for several hours I posted for help.

In Java it can be done with this"

```
   fc.setFileSelectionMode(JFileChooser.DIRECTORIES_ONLY);
```

Do you have a U++ code example or a link to code I could try?

Subject: Re: using a file chooser (dir chooser??) to get a dir and not a file
Posted by dolik.rce on Mon, 06 Jun 2011 06:17:27 GMT

The usage of ExecuteSelectDir() is very similar to ExecuteOpen(). Following code is taken from examples/CompDir, I just added few comments.

```
void DlgCompareDir::DoBrowse(Ctrl *field)    // field is EditString or similar Ctrl
{
 FileSel fsel;
 fsel.AllFilesType();
 static String recent_dir;                // variable to store last opened directory
 fsel <<= Nvl((String)~*field, recent_dir); //before opening, we pre-set the dialog to the value in
```

field, fallback to recent_dir if there is Null
 if(fsel.ExecuteSelectDir()) //open the dialog to select directory
  *field <<= recent_dir = ~fsel; // assign the selected directory 'recent_dir' and also fill it into 'field' Ctrl
}

BTW: I just found there is even simpler way to do this, although not as versatile:String mydir = SelectDirectory();

Honza

Subject: Re: using a file chooser (dir chooser??) to get a dir and not a file
Posted by nlneilson on Mon, 06 Jun 2011 06:42:48 GMT
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Thanks Honza

That should be a big help.

Subject: Re: using a file chooser (dir chooser??) to get a dir and not a file
Posted by nlneilson on Mon, 06 Jun 2011 08:10:59 GMT
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Thanks again Honza

After doing a search in the upp directory for "SelectDirectory" and looking at the code in: C:\upp\uppsrc\CtrlLib\FileSelUtil.cpp

A very basic use can be done with just this:
 void SelDir() {workdirField <<= SelectDirectory();}

Works great!
