Subject: Uniq : single instance applications made easy
Posted by mdelfede on Sat, 05 Feb 2011 23:27:06 GMT
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I started Uniq class, by now working just for Linux,windows part in development. It allows to have a single application instance running and other instances passing their command line to it.
Example code :

UniqTest.lay :

```
LAYOUT(UniqTestLayout, 404, 240)
 ITEM(LineEdit, edit, SetEditable(false).WantFocus(false).LeftPosZ(8, 388).TopPosZ(8, 220))
END_LAYOUT
```

UniqTest.h :

```
#ifndef _UniqTest_UniqTest_h
#define _UniqTest_UniqTest_h

#include <CtrlLib/CtrlLib.h>

#include <Uniq/Uniq.h>

using namespace Upp;

#define LAYOUTFILE <UniqTest/UniqTest.lay>
#include <CtrlCore/lay.h>

class UniqTest : public WithUniqTestLayout<TopWindow>
{
 private:
 public:
  typedef UniqTest CLASSNAME;
  UniqTest();

  // handles news app instances
  void handleInstance(Vector<String> const &v);

};
```

UniqTest.cpp :

```
#include "UniqTest.h"

UniqTest::UniqTest()
{
```

```
 CtrlLayout(*this, "Window title");
}

// handles news app instances
void UniqTest::handleInstance(Vector<String> const &v)
{
 String s = edit.Get() + "NEW INSTANCE LAUNCHED\n  Command line : '";
 for(int i = 0; i < v.GetCount(); i++)
  s += v[i] + ",";
 if(s[s.GetCount() - 1] == ',')
  s = s.Left(s.GetCount()-1);
 s += "\n";

 edit <<= s;
 ProcessEvents();
}

GUI_APP_MAIN
{
 // create Uniq object
 Uniq uniq;

 // if not inside first instance, send commandline
 // to first instance and leave
 if(!uniq)
  return;

 UniqTest uniqTest;

 // setup callback handling other app's instances
 uniq.WhenInstance = callback(&uniqTest, &UniqTest::handleInstance);

 uniqTest.Run();
}
```

This code allows first app instance to start. If you start other instances, their Command Line is routed to it with a posted callback, allowing opened instance, for example, to open a file.
In this small example, it just echoes command line of newly started apps.

Ciao

Max

Subject: Re: Uniq : single instance applications made easy
Posted by mdelfede on Mon, 07 Feb 2011 22:04:56 GMT
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Now working both on windows and Linux.

On the way, I've seen how M$ people can complicate simple stuffs...

Ciao

Max

Subject: Re: Uniq : single instance applications made easy
Posted by devilsclaw on Tue, 09 Aug 2022 15:27:11 GMT
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I know this is an old post. When I try to include Uniq/Uniq.h it fails and I have searched the source files and it does not seem to exist. Is this old code that has been removed or it it in some other repository?

Subject: Re: Uniq : single instance applications made easy
Posted by mdelfede on Fri, 12 Aug 2022 13:12:15 GMT
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Hi Mirek,

I've got Uniq.t file... here is its content:

```
#ifdef _MSC_VER
#pragma setlocale("C")
#endif
// Posix.cpp

T_("Error creating interprocess pipe")
caES("")
deDE("")
esES("Error al crear el pipe entre procesos")
itIT("")

T_("Error locking lock file")
caES("")
deDE("")
esES("Error al bloquear el fichero de bloqueo")
itIT("")
```

It's not from me, as it's in spanish, I guess it was added by somebody else...

Subject: Re: Uniq : single instance applications made easy
Posted by jjacksonRIAB on Sat, 13 Aug 2022 08:12:35 GMT
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devilsclaw wrote on Tue, 09 August 2022 17:27I know this is an old post. When I try to include Uniq/Uniq.h it fails and I have searched the source files and it does not seem to exist. Is this old code that has been removed or it it in some other repository?

Uniq is in UppHub, it's part of Libraries4U.

Read about UppHub here:
https://www.ultimatepp.org/appideUppHub_en-us.html