Subject: Problem using more classes...
Posted by idkfa46 on Fri, 09 Mar 2012 16:18:07 GMT
View Forum Message <> Reply to Message

Hello guys,
I am back looking for your help again...

I have some troubles calling back functions from different classes... here an example for an easier explanation:

main.cpp

```
#include "prova3.h"

prova3::prova3()
{
 CtrlLayout(*this, "Window title");
 x <<= THISBACK(a);
 y <<= THISBACK(a);
 x2 <<= THISBACK(b);
 y2 <<= THISBACK(b);
}
void prova3::a()
{
 if ( !x.IsNullInstance() && !y.IsNullInstance())
 {
  tot = prod(x,y);
 }
 else
 {
  tot = Null;
 }
}
void prova3::b()
{
 if ( !x2.IsNullInstance() && !y2.IsNullInstance())
 {
  tot2 = prova4::sum(x,y);
 }
 else
 {
  tot = Null;
 }
}
int prova3::prod (int x, int y)
{
 return x*y;
}
```

```
int prova4::sum (int x, int y)
{
 return x+y;
}
GUI_APP_MAIN
{
 prova3().Run();
}
```

prova3.h

```
#ifndef _prova3_prova3_h
#define _prova3_prova3_h
#include <CtrlLib/CtrlLib.h>
using namespace Upp;
#define LAYOUTFILE <prova3/prova3.lay>
#include <CtrlCore/lay.h>

class prova3 : public Withprova3Layout<TopWindow> {

public:
 void a();
 void b();

 int prod (int x, int y);

 typedef prova3 CLASSNAME;
 prova3();
};

class prova4 {
public:
 int sum (int x, int y);
};
#endif
```

prova3.lay

```
LAYOUT(prova3Layout, 403, 257)
 ITEM(EditInt, y, LeftPosZ(45, 64).TopPosZ(92, 19))
 ITEM(EditInt, y2, LeftPosZ(161, 64).TopPosZ(92, 19))
 ITEM(EditInt, x, LeftPosZ(47, 64).TopPosZ(57, 19))
 ITEM(EditInt, x2, LeftPosZ(161, 64).TopPosZ(57, 19))
 ITEM(Label, dv___4, SetLabel(t_("x")).LeftPosZ(10, 33).TopPosZ(57, 21))
 ITEM(Label, dv___5, SetLabel(t_("y")).LeftPosZ(10, 33).TopPosZ(92, 21))
 ITEM(EditInt, tot, LeftPosZ(47, 64).TopPosZ(130, 19))
```

```
 ITEM(EditInt, tot2, LeftPosZ(160, 64).TopPosZ(130, 19))
END_LAYOUT
```

calling function prod() from the same class (prova3) there are no problems but if i try to call back sum(x,y) from a different class (prova4) i receive the following error:

'prova4::sum' : illegal call of non-static member function
c:\myapps\prova3\prova3.h(28) : see declaration of 'prova4::sum'

Where I'm wrong today ?!

Regards,
Matteo

Subject: Re: Problem using more classes...
Posted by Sender Ghost on Sat, 10 Mar 2012 12:49:07 GMT
View Forum Message <> Reply to Message

Hello, Matteo.
idkfa46 wrote on Fri, 09 March 2012 17:18calling function prod() from the same class (prova3) there are no problems but if I try to call back sum(x, y) from a different class (prova4) I receive the following error:

'prova4::sum' : illegal call of non-static member function
c:\myapps\prova3\prova3.h(28) : see declaration of 'prova4::sum'

Where I'm wrong today ?!

As compiler message said, you need static prova4::sum function to use it this way:

```
class prova4 {
public:
 static int sum (int x, int y) { return x + y; }
};
```

Else you need to create object instance of prova4 class for using it:

```
prova4 p;
int result = p.sum(1, 2);
```

Subject: Re: Problem using more classes...
Posted by idkfa46 on Tue, 13 Mar 2012 16:26:32 GMT
View Forum Message <> Reply to Message

Thanks... Working now