Subject: Thread with parametarized callback?
Posted by crydev on Sat, 10 Nov 2012 22:16:10 GMT
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Hi, I am trying to start a new thread with a callback function that is requiring a parameter. I followed this example: http://ultimatepp.org/reference$GuiMT$en-us.html But I cannot get it compiled. My code is as following:

```
void ImdbManager::ImdbRunSearchOperation(String& pQuery)
{
 pQuery.Replace(" ", "+");
 String tmpHtmlstr = GetPage(String(IMDBSEARCHURL) + pQuery);
 if (IsResultPage(tmpHtmlstr))
 {
  Vector<ImdbLink> tmpLinks = ParseResultPage(tmpHtmlstr);
  WhenSearchGetCount(tmpLinks.GetCount());
  for (auto link : tmpLinks)
  {
   ImdbMovie m = ParseTitlePage(GetPage(IMDBTITLELINK + link));
   m.cUrl = link;
   WhenImdbMovie(m);
  }
 }
}

void ImdbManager::ImdbSearch(String pQuery)
{
 if (pQuery.IsEmpty())
 {
  return;
 }
 if (!PrepareImdbCache())
 {
  return;
 }
 Thread().Run(callback1(ImdbRunSearchOperation, pQuery));
}
```

Now by looking at the example, I should be able to compile this. I am still getting the following errors:

```
E:\upp\MovieManager\ImdbManager.cpp(138) : error C3867:
'ImdbManager::ImdbRunSearchOperation': function call missing argument list; use
'&ImdbManager::ImdbRunSearchOperation' to create
  a pointer to member
E:\upp\MovieManager\ImdbManager.cpp(138) : error C2780: 'Upp::Gate4<P1,P2,P3,P4>
Upp::callback1(const O *,bool (__thiscall M::* )(P1,P2,P3,P4,Q) const,T)' : expects 3 arguments -
2 pro
```

vided
e:\upp\uppsrc\core\Callback1.h(500) : see declaration of 'Upp::callback1'
E:\upp\MovieManager\ImdbManager.cpp(138) : error C2780: 'Upp::Gate4<P1,P2,P3,P4> Upp::callback1(O *,bool (__thiscall M::*)(P1,P2,P3,P4,Q),T)' : expects 3 arguments - 2 provided
e:\upp\uppsrc\core\Callback1.h(494) : see declaration of 'Upp::callback1'
E:\upp\MovieManager\ImdbManager.cpp(138) : error C2780: 'Upp::Gate3<P1,P2,P3> Upp::callback1(const O *,bool (__thiscall M::*)(P1,P2,P3,Q) const,T)' : expects 3 arguments - 2 provided
e:\upp\uppsrc\core\Callback1.h(454) : see declaration of 'Upp::callback1'
E:\upp\MovieManager\ImdbManager.cpp(138) : error C2780: 'Upp::Gate3<P1,P2,P3> Upp::callback1(O *,bool (__thiscall M::*)(P1,P2,P3,Q),T)' : expects 3 arguments - 2 provided
e:\upp\uppsrc\core\Callback1.h(448) : see declaration of 'Upp::callback1'
E:\upp\MovieManager\ImdbManager.cpp(138) : error C2780: 'Upp::Gate2<P1,P2> Upp::callback1(const O *,bool (__thiscall M::*)(P1,P2,Q) const,T)' : expects 3 arguments - 2 provided
e:\upp\uppsrc\core\Callback1.h(408) : see declaration of 'Upp::callback1'
E:\upp\MovieManager\ImdbManager.cpp(138) : error C2780: 'Upp::Gate2<P1,P2> Upp::callback1(O *,bool (__thiscall M::*)(P1,P2,Q),T)' : expects 3 arguments - 2 provided
e:\upp\uppsrc\core\Callback1.h(402) : see declaration of 'Upp::callback1'
E:\upp\MovieManager\ImdbManager.cpp(138) : error C2780: 'Upp::Gate1<P1> Upp::callback1(const O *,bool (__thiscall M::*)(P1,Q) const,T)' : expects 3 arguments - 2 provided
e:\upp\uppsrc\core\Callback1.h(362) : see declaration of 'Upp::callback1'
E:\upp\MovieManager\ImdbManager.cpp(138) : error C2780: 'Upp::Gate1<P1> Upp::callback1(O *,bool (__thiscall M::*)(P1,Q),T)' : expects 3 arguments - 2 provided
e:\upp\uppsrc\core\Callback1.h(356) : see declaration of 'Upp::callback1'
E:\upp\MovieManager\ImdbManager.cpp(138) : error C2780: 'Upp::Gate Upp::callback1(const O *,bool (__thiscall M::*)(Q) const,T)' : expects 3 arguments - 2 provided
e:\upp\uppsrc\core\Callback1.h(299) : see declaration of 'Upp::callback1'
E:\upp\MovieManager\ImdbManager.cpp(138) : error C2780: 'Upp::Gate Upp::callback1(O *,bool (__thiscall M::*)(Q),T)' : expects 3 arguments - 2 provided
e:\upp\uppsrc\core\Callback1.h(293) : see declaration of 'Upp::callback1'
E:\upp\MovieManager\ImdbManager.cpp(138) : error C2780: 'Upp::Callback4<P1,P2,P3,P4> Upp::callback1(const O *,void (__thiscall M::*)(P1,P2,P3,P4,Q) const,T)' : expects 3 arguments - 2
provided
e:\upp\uppsrc\core\Callback1.h(240) : see declaration of 'Upp::callback1'
E:\upp\MovieManager\ImdbManager.cpp(138) : error C2780: 'Upp::Callback4<P1,P2,P3,P4> Upp::callback1(O *,void (__thiscall M::*)(P1,P2,P3,P4,Q),T)' : expects 3 arguments - 2 provided
e:\upp\uppsrc\core\Callback1.h(234) : see declaration of 'Upp::callback1'
E:\upp\MovieManager\ImdbManager.cpp(138) : error C2780: 'Upp::Callback3<P1,P2,P3> Upp::callback1(const O *,void (__thiscall M::*)(P1,P2,P3,Q) const,T)' : expects 3 arguments - 2 provi
ded
e:\upp\uppsrc\core\Callback1.h(194) : see declaration of 'Upp::callback1'
E:\upp\MovieManager\ImdbManager.cpp(138) : error C2780: 'Upp::Callback3<P1,P2,P3> Upp::callback1(O *,void (__thiscall M::*)(P1,P2,P3,Q),T)' : expects 3 arguments - 2 provided
e:\upp\uppsrc\core\Callback1.h(188) : see declaration of 'Upp::callback1'
E:\upp\MovieManager\ImdbManager.cpp(138) : error C2780: 'Upp::Callback2<P1,P2>

Upp::callback1(const O *,void (__thiscall M::*)(P1,P2,Q) const,T)' : expects 3 arguments - 2 provided
	e:\upp\uppsrc\core\Callback1.h(148) : see declaration of 'Upp::callback1'
E:\upp\MovieManager\ImdbManager.cpp(138) : error C2780: 'Upp::Callback2<P1,P2>
Upp::callback1(O *,void (__thiscall M::*)(P1,P2,Q),T)' : expects 3 arguments - 2 provided
	e:\upp\uppsrc\core\Callback1.h(142) : see declaration of 'Upp::callback1'
E:\upp\MovieManager\ImdbManager.cpp(138) : error C2780: 'Upp::Callback1<P1>
Upp::callback1(const O *,void (__thiscall M::*)(P1,Q) const,T)' : expects 3 arguments - 2 provided
	e:\upp\uppsrc\core\Callback1.h(102) : see declaration of 'Upp::callback1'
E:\upp\MovieManager\ImdbManager.cpp(138) : error C2780: 'Upp::Callback1<P1>
Upp::callback1(O *,void (__thiscall M::*)(P1,Q),T)' : expects 3 arguments - 2 provided
	e:\upp\uppsrc\core\Callback1.h(96) : see declaration of 'Upp::callback1'
E:\upp\MovieManager\ImdbManager.cpp(138) : error C2780: 'Upp::Callback Upp::callback1(const O *,void (__thiscall M::*)(Q) const,T)' : expects 3 arguments - 2 provided
	e:\upp\uppsrc\core\Callback1.h(39) : see declaration of 'Upp::callback1'
E:\upp\MovieManager\ImdbManager.cpp(138) : error C2780: 'Upp::Callback Upp::callback1(O *,void (__thiscall M::*)(Q),T)' : expects 3 arguments - 2 provided
	e:\upp\uppsrc\core\Callback1.h(33) : see declaration of 'Upp::callback1'

Can anyone tell me what is wrong here? I don't know how the threading of U++ works so I really don't know where to look for this. I also still don't understand how the callback to the GUI thread is done without exceptions as usually in C# for example you always have to invoke a callback in such case.
