
Subject: BUG for Find in Algo.h

Posted by [ratah](#) on Mon, 12 Dec 2011 10:14:39 GMT

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Hello,

I have a little bug when i use find algorithm. Here is my test :

```
#include <Core/Core.h>
```

```
using namespace Upp;
```

```
class CAppli:Moveable<CAppli>
```

```
{  
public:
```

```
    String m_appli;  
    int m_count;
```

```
    CAppli(const String& appli)  
    {  
        m_appli = appli; m_count = 0;  
    }
```

```
    String ToString()  
    {  
        String mycout;
```

```
        mycout << " APPLI : " << m_appli;
```

```
        return mycout;  
    }
```

```
    void update()  
    {  
        m_count++;  
    }
```

```
};
```

```
bool operator==(const CAppli& oAppli, const CAppli& oAppliTest)
```

```
{  
    Cout() << "\n  -> test : " << oAppliTest.m_appli << " =? " << oAppli.m_appli;
```

```
    if( oAppli.m_appli == oAppliTest.m_appli)
```

```
    {  
        Cout() << "\n  -> result : " << oAppliTest.m_appli << " is equal to " << oAppli.m_appli;  
        return true;  
    }
```

```

else
{
    Cout() << "\n  -> result : " << oAppliTest.m_appli << " is different of " << oAppli.m_appli;
    return false;
}
}

```

```

class CJSON: public Json

```

```

{
public :

    Vector<CAppli> vAppli;

    CJSON operator<< (const CAppli& oAppli)
    {
        Cout() << "\nTry to add " << oAppli.m_appli;

        Vector<CAppli>::Iterator it;
        it = Find(vAppli.Begin(), vAppli.End(), oAppli);

        if(it != vAppli.End())
        {
            //CAppli apptmp = *it;          //<---- IT'S BUG !!!!!!!
            //apptmp.update();
            //Cout() << "\n <- Why I fall here even if " << apptmp.m_appli << " is different of " <<
oAppli.m_appli;

            Cout() << "\n <- Why I fall here?";
        }
        else
        {
            Cout() << " not yet in the vector. ";

            vAppli.Add(oAppli);
            Cout() << oAppli.m_appli << " added";

        }

        Cout() << "\n-----\n\n";

        return (*this);
    }
};

```

```

CONSOLE_APP_MAIN

```

```

{
    CAppli appl1("APP1"), appl2("APP2"), appl3("APP3");

```

```
CJSON ojson;  
ojson << appl1 << appl2 << appl3 << appl2;  
}
```

Thanks for your analyse and reply

Best regards,

Ratah
