
Subject: I don't understand Moveable

Posted by [Xemuth](#) on Thu, 27 Sep 2018 12:10:40 GMT

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Hello Everyone,

I have a class that contains only two string :

```
class Argument{
    public:
    Argument(Upp::String argname, Upp::String argvalue);
    Argument();
    Upp::String ArgName;
    Upp::String ArgValue;
};
```

Somewhere in my code I want to do some Vector of "Argument" :

```
Upp::Vector<Argument> mesArguments;
mesArguments.Insert(mesArguments.GetCount() ,Argument("test1","test1"));
mesArguments.Insert(mesArguments.GetCount(),Argument("test2","test2"));
mesArguments.Insert(mesArguments.GetCount(),Argument("test3","test3"));
```

and later in my code I past this vector through a Method that copy the vector into another vector :

```
void RequetageSoap::SetLesArgs(const Upp::Vector<Argument> &lesargs){
    for(Argument arg : lesargs){
        this->lesArgs.Insert(this->lesArgs.GetCount(),arg); // Here lesArgs is my Secondary vector of
Argument
    }
}
```

When I compile it I got this kind of error : C:\Upp\upp\uppsrc\Core\Topt.h (157): error: no match for 'operator*' (operand type is 'Argument')

According to : [https://www.ultimatepp.org/srcdoc\\$Core\\$Moveable\\$en-us.html](https://www.ultimatepp.org/srcdoc$Core$Moveable$en-us.html)
it happen because Argument is not marked as moveable

so I just try to inherite my class Argument with : Moveable<Argument> but I got a lot of errors at compilation :

```
class Argument : Moveable<Argument>{
    public:
    Argument(Upp::String argname, Upp::String argvalue);
    Argument();
    Upp::String ArgName;
```

```
Upp::String ArgValue;  
};
```

C:\Upp\upp\MyApps\TestCallSoap\RequetageSoap.h (10): error: expected template-name before '<' token

C:\Upp\upp\MyApps\TestCallSoap\testCallSoap.cpp (2): In file included from

C:\Upp\upp\MyApps\TestCallSoap\testCallSoap.cpp:2:0:

() : class Argument : Moveable < Argument>{

C:\Upp\upp\MyApps\TestCallSoap\RequetageSoap.h (10): error: expected '{' before '<' token

C:\Upp\upp\MyApps\TestCallSoap\RequetageSoap.h (10): error: expected unqualified-id before '<' token

C:\Upp\upp\MyApps\TestCallSoap\testCallSoap.cpp (40): error: invalid use of incomplete type 'class Argument'

C:\Upp\upp\MyApps\TestCallSoap\testCallSoap.cpp (41): error: invalid use of incomplete type 'class Argument'

...

can Someone explain me why ?

(sorry for my bad english)

Thanks in advance
