

Wt - Bug #4790

Wt::WObject::addChild() bug

03/04/2016 12:05 PM - Saif Rehman

Status:	Feedback	Start date:	03/04/2016
Priority:	Normal	Due date:	
Assignee:	Koen Deforche	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	4.0.0		

Description

Take the following example

```
MyLineEdit::MyLineEdit(WContainerWidget *parent) : WLineEdit(parent)
{
    _btn = new WPushButton();
    WObject::addChild(_btn);
}
WPushButton *MyLineEdit::getButton() const
{
    return _btn;
}

MyTemplate::MyTemplate()
{
    _myLineEdit = new MyLineEdit();
    bindWidget("edit", _myLineEdit);
    bindWidget("btn", _myLineEdit->getButton()); //Assertion failed: children_ != 0, file ...\\src\\Wt
\\WWebWidget.C, line 319
}
```

What I'm doing is setting _btn's parent to _myLineEdit so that if _btn is not reparented, it should be deleted along with _myLineEdit. However, when MyTemplate's constructor tries to reparent _btn the assertion in WWebWidget::removeChild() fails. That is because I used WObject::addChild() which does not create WWebWidget::children_ but instead creates WWidget::children_

History

#1 - 03/21/2016 02:34 PM - Koen Deforche

- Status changed from New to Feedback
- Assignee set to Koen Deforche
- Target version set to 4.0.0

Hey, you're correctly observing a messy situation in WObject:: versus WWebWidget:: addChild(), which leads to this error. This will be fixed in Wt4 (where we move to C++11 unique_ptr for widget ownership (and shared_ptr for models, etc...)).