

Wt - Bug #6235

Wt4.0.2: In certain case, removeFromParent() is not working.

02/15/2018 09:16 AM - Apivan Tuntakurn

Status:	New	Start date:	02/15/2018
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Description			
If I understand correctly, widget->removeFromParent() is supposed to be a replacement for "delete widget".			
<pre>// This works. { Test::WTestEnvironment environment; auto app = std::make_unique<Wt::WApplication>(environment); { auto layout = app->root()->setLayout(std::make_unique<Wt::WVBoxLayout>()); auto testWidget = layout->addWidget(std::make_unique<Wt::WLabel>()); auto removedItem = testWidget->removeFromParent(); if (removedItem == nullptr) { assert(false); } } }</pre>			
<pre>// This does not work. { Test::WTestEnvironment environment; auto app = std::make_unique<Wt::WApplication>(environment); { app->root()->setLayout(std::make_unique<Wt::WVBoxLayout>()); auto testWidget = app->root()->addNew<Wt::WLabel>("test"); auto removedItem = testWidget->removeFromParent(); if (removedItem == nullptr) { assert(false); // found item to be removed, but the app eventually crashed. auto removedItem2 = app->root()->removeChild(testWidget); } } }</pre>			

History

#1 - 02/19/2018 05:58 AM - Apivan Tuntakurn

```
// This does not work either.
{
    Test::WTestEnvironment environment;
    auto app = std::make_unique<Wt::WApplication>(environment);
    {
        app->root()->setLayout(std::make_unique<Wt::WVBoxLayout>());
```

```
auto p = std::make_unique<Wt::WObject>();
auto testObject = p.get();
app->root()->addChild(std::move(p));
```

```
auto conChild = testObject->addChild(std::make_unique<Wt::WContainerWidget>());
```

```
auto removedItem = conChild->removeFromParent();
```

```
if (removedItem == nullptr)
{
    assert(false);
}
```

```
    // found item to be removed, but the app eventually crashed.
    auto removedItem2 = app->root()->removeChild(conChild);
}
}
```

#2 - 04/12/2018 10:27 AM - Roel Standaert

Not sure about the second case, in the third case removedItem is definitely supposed to be null, since you're never actually putting the WContainerWidget in the widget tree.

#3 - 05/02/2018 11:57 AM - Apivan Tuntakurn

Thank you for reply. In the third case, I did not notice that removeFromParent() is implemented in Wt::WWidget and not the Wt::WObject. So, you can drop this case.

Personally, I think the name removeFromParent is slightly too generic that I mixed addChild() and addWidget() up.