

Wt - Feature #3513

Provide WIdentityProxyModel in Wt

08/04/2014 01:33 PM - Anonymous

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|------------------------|----------------|------------------------|------------|
| Status: | Closed | Start date: | 08/04/2014 |
| Priority: | Normal | Due date: | |
| Assignee: | Roel Standaert | % Done: | 0% |
| Category: | | Estimated time: | 0.00 hour |
| Target version: | 3.3.4 | | |

Description

Dear devs,

WAbstractProxyModel's `index()`, `parent()`, `rowCount()` and `columnCount()` are pure virtuals. The class, though, knows enough about the proxied model to afford reasonable default implementations of those methods. It could also forward the proxied model's signals to connected views, but doesn't. Derived classes have to implement both on their own. I found that than inconvenient, if not for the work involved, then for the fact that derived classes might break with signals newly introduced into future versions of WAbstractProxyModel.

Wondering why that is so, I checked out QAbstractProxyModel and found it to be implemented similarly. What Qt does provide, however, is a QIdentityProxyModel that reimplements those methods and does the signal plumbing for you. If I understood its purpose correctly, it should in general be used as the base class for home-grown proxy model implementations. As Wt doesn't have such a beast, I've implemented and attached one that works for me. Please use it if you find it useful.

Best Regards,

Jan

History

#1 - 08/06/2014 01:56 PM - Koen Deforche

- Status changed from *New* to *InProgress*
- Assignee set to *Roel Standaert*
- Target version set to *3.3.4*

#2 - 09/02/2014 01:50 PM - Roel Standaert

- Status changed from *InProgress* to *Resolved*

#3 - 10/22/2014 02:28 AM - Koen Deforche

- Status changed from *Resolved* to *Closed*

Files

| | | | |
|-----------------------|---------|------------|-----------|
| WIdentityProxyModel | 2.42 KB | 08/04/2014 | Anonymous |
| WIdentityProxyModel.C | 7.7 KB | 08/04/2014 | Anonymous |