

Wt - Bug #4570

RTL support for WNavigationBar (and WMenu)

11/16/2015 06:44 AM - Samir Shaker

Status:	New	Start date:	11/16/2015
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	3.3.5		

Description

Hi,

WNavigationBar and the WMenu inside it do not behave correctly when `setLayoutDirection(RightToLeft)` is called. I have tried to implement a fix for it, but I am not familiar enough with the architecture of Wt yet, so I wasn't completely successful. I am not sure in which function the code should be added. I have attached three screenshots to help clarify the problem. `WNavigationBar_noRTL.png` shows the navigation bar without RTL, `WNavigationBar_wrongRTL.png` shows how the current buggy implementation behaves, and `WNavigationBar_correctRTL.png` is a screenshot that I have edited approximating how it should look for correct RTL behavior. I have also included a `main.cpp` file, which was used to take the screenshots and should help illustrate the problem better and implement a fix. It's a modification of the example found here <http://www.webtoolkit.eu/widgets/navigation/navigation-bar>.

While trying to implement the fix myself, here is what I have learned:

- 1- RTL for WMenu should be implemented first, since it's part of a typical WNavigationBar setup. This can be done by calling `item->setAttributeValue("style", "float: right")` on every WMenuItem inside WMenu whenever RTL is enabled.
- 2- Every menu added to the navigation bar should have the opposite alignment specified. For example, a call to `navigation->addMenu(rightMenu, Wt::AlignRight)` should actually align the menu to the left instead of to the right, and a default call to the function without a second argument should align the menu to the right.
- 3- The navigation bar title should go all the way to the right instead of to the left. I am not sure how to achieve this yet, as I wasn't able to successfully implement step 2, so I didn't get this far. But it is probably the simplest thing of the three to implement.

I am willing to implement this fix with some guidance, or maybe it is easy enough for you guys to implement a fix without much trouble. In any case, I would appreciate any feedback on this issue.

Thank you,

Samir.

Files

File Name	Size	Date	Author
WNavigationBar_noRTL.png	39.1 KB	11/16/2015	Samir Shaker
WNavigationBar_wrongRTL.png	44 KB	11/16/2015	Samir Shaker
WNavigationBar_correctRTL.png	29.6 KB	11/16/2015	Samir Shaker
main.cpp	1.94 KB	11/16/2015	Samir Shaker