

Morpho - Bug #571

fix height of toolbar on windows

08/22/2002 11:43 AM - Matt Jones

Status:	Resolved	Start date:	08/22/2002
Priority:	Normal	Due date:	
Assignee:	Matt Jones	% Done:	0%
Category:	morpho - general	Estimated time:	0.00 hour
Target version:	1.2	Spent time:	0.00 hour
Bugzilla-Id:	571		
Description <p>The toolbar in MorphoFrame is sized by subtracting the height of the menu bar from the hieight of the Progress Indicator. Unfortunately, JMenuBar.getHeight() and similar methods always return zero. So I have not yet found a way to accurately determine the actual menu bar height.</p> <p>On linux, the menu bar is 24 pixels tall, so I have hardcoded a value for that OS, although it might not apply to all Look and Feels. It results in a tollbar that is 1 or 2 pixels too short on Windows, so it looks funny. This needs to be fixed.</p> <p>Ideally I would be able to find a reliable way to determine the menu height, then I could accurately calculate the proper toolbar height.</p> <p>If that's not possible, I could write a routine that provides fixed defaults for the various operating system/I&f combinations, and a default. This is a kludge but would probably work reasonably well.</p> <p>One other possibility is to try to fix the menu bar at soe height that is greater than its native height by adding a rigid component (its a box layout) of a fixed size (e.g., 25 pixels). Again, a kludge, and this one might not work.</p> <p>Ideas, or suggestions on how to get JMenuBar.getSize() to work?</p>			

History

#1 - 08/23/2002 04:57 PM - Matt Jones

Looks like brooke fixed it by using getPreferredSize() instead of getSize().
FIXED. (Wow that was easy :)

#2 - 08/23/2002 05:06 PM - Matthew Brooke

Good grief - I finally manage to fix a bug, and Jones gets here and posts a comment before me... :-)

Anyway:

Fixed menubar height detection problem by using getPreferredSize(), and fixed toolbar height hack by using setPreferredSize().

This works because the preferredSize attribute has the correct value even before the component is displayed, whereas the value returned by calling getSize() is zero until the component appears on the screen.

In addition to changing code in src/edu/ucsb/nceas/morpho/framework/MorphoFrame.java, I made 2 methods static in src/edu/ucs b/nceas/morpho/framework/UIController.java, and made one of them - createToolBar() - protected instead of private, so it can be called directly from MorphoFrame to create a "test" menubar instance in order to get the menu bar dimensions.

There may be a less wasteful way of doing this, but this was the best I could do on a Friday afternoon :-)

#3 - 03/27/2013 02:14 PM - Redmine Admin

Original Bugzilla ID was 571