Description

http://youtu.be/bmqnF0EFpP8

Test environment

- OSX Yosemite 10.10.2
- Firefox 35.0.1
- Chrome 40.0.2214.111
- Safari 8.0.3

Step(s) to reproduce

- 1. Open any drawer
- 2. Resize the window so that the vertical scrollbar is invisible, i.e. all content can be shown without scrolling
- 3. Scroll the drawer

Expected outcome

1. The content is not scrolled

Actual outcome

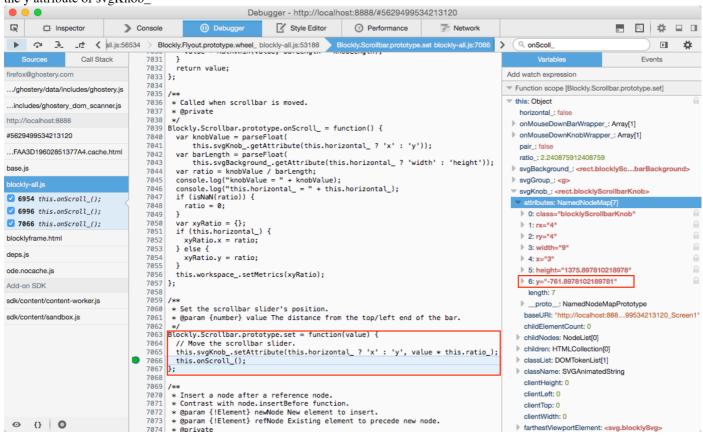
1. The content is scrolled to the bottom

Related file(s)

1. appinventor-sources/appinventor/lib/blockly/src/core/scrollbar.js

Root cause

In related file 1, Blockly.Scrollbar.prototype.set(value) does not constrain the knob value, leading to a negative value being set to the y attribute of svgKnob_



Solution

Use the contrainKnob_() function, which is also used elsewhere in the class to prevent from setting negative value to the x, y attribute of svgKnob_, to constrain the value