

GUIs, Networking and Multi-threaded Programming

Medialogy Semester 4, 2009

Aalborg University, Aalborg

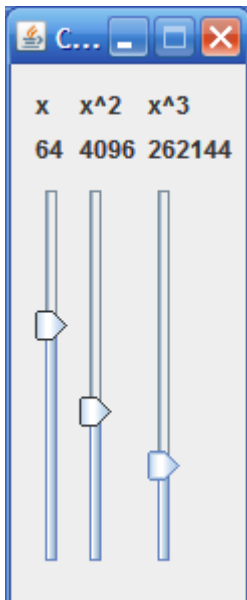
Exercises 3

1. Study the program SquareSliders.java, available here:

<http://code.google.com/p/guinmp2009/source/browse/trunk/guinmp2009/src/dk/aau/imi/med4/guinmp2009/guis/lesson02/SquareSliders.java>

Then modify this file so that it does exactly the same thing but only uses the SquareSliders class itself as the ChangeListener. You will have to remove the two inner classes, RootChangeListener and SquareChangeListener. Then you will have to change SquareSliders so that it implements ChangeListener. Use the ChangeEvent.getSource() method to find out which slider emitted the ChangeEvent.

2. Modify the program you produced in question 1 so that it now has three sliders, as shown in this diagram:



The third slider gives the cube of x and covers the range 0 to 1000000. As in SquareSliders, you should be able to move the cubic slider and cause the other sliders to move correctly in synchrony with it.