Exercise 7. *Deadline: 21 December 2009.*

THE JAVA PROGRAMMING LANGUAGE

A COLOURED DRAWING

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Exercise

In geometry, a line segment is a part of a line that is bounded by two end points. We can describe each line segment by its end points and a colour. Write a simple window application, that will have possibilities of creating, collecting, and drawing coloured lines.

Your application should consist of one panel only (an object of type `JPanel`) and a more complicated menu for setting the parameter of drawing (the current colour, zoom, visibility of coordinate system, etc). A user should perform three steps for creating a new line:

1. the user presses a mouse button (first end point of the line segment),
2. he/she moves the cursor of the mouse to another place,
3. the user releases a mouse button (second end point of the line segment).

Programming this events define a class, which extends `MouseAdapter` and implements `MouseMotionListener`.

Write in the left–bottom corner the current coordinetes of the mouse cursor.

Requirement

Build your application using Swing components.