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 */
package pointsinplane;

import java.awt.BorderLayout;
import java.awt.Dimension;
import java.awt.FlowLayout;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import javax.swing.JButton;
import javax.swing.JFrame;
import javax.swing.JPanel;

class MainWindow implements Constants, ActionListener {

    JFrame win;
    Drawing drawing;
    private Point A;
    private Point B;

    public MainWindow(Point A, Point B) {

        win = new JFrame("Points on plane");
        win.setSize(FR_WIDTH, FR_HEIGHT);
        win.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        win.setLocationRelativeTo(null);

        drawing = new Drawing(A, B);
        JPanel pan = new JPanel(new BorderLayout());
        JPanel panS = new JPanel(new FlowLayout());

        JButton b = new JButton("Move");
        b.addActionListener(this);
        b.setPreferredSize(new Dimension(120, 30));
        panS.add(b);
        pan.add(drawing, BorderLayout.CENTER);
        pan.add(panS, BorderLayout.SOUTH);
        win.setContentPane(pan);
        win.setVisible(true);
    }

    public void moveToPoint(Point A, Point B) {

        this.A = A;
        this.B = B;
    }

    @Override
    public void actionPerformed(ActionEvent ae) {

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        drawing.movePoint(A, B);  
        drawing.repaint();  
    }  
}
```