import java.awt.Graphics;

import java.awt.event.ActionEvent; import java.awt.event.ActionListener; import javax.swing.JFrame;

import javax.swing.JMenu; import javax.swing.JMenuBar; import javax.swing.JMenuItem; import javax.swing.JPanel;

public class Experiment15 extends JFrame implements ActionListener { private JMenu fileMenu;

private JPanel canvas; private String shape = ""; private int x, y;

public Experiment15() {

JMenuItem drawLineItem = new JMenuItem("Line"); JMenuItem drawSquareItem = new JMenuItem("Square"); JMenuItem drawRectangleItem = new JMenuItem("Rectangle"); JMenuItem drawOvalItem = new JMenuItem("Oval"); JMenuItem drawCircleItem = new JMenuItem("Circle"); JMenuItem closeMenu = new JMenuItem("Close");

JMenu drawShapes = new JMenu("Draw Shapes"); fileMenu = new JMenu("File"); drawLineItem.addActionListener(this); drawSquareItem.addActionListener(this); drawRectangleItem.addActionListener(this); drawOvalItem.addActionListener(this); drawCircleItem.addActionListener(this); closeMenu.addActionListener(this); drawShapes.add(drawLineItem); drawShapes.add(drawSquareItem); drawShapes.add(drawRectangleItem);

drawShapes.add(drawOvalItem); drawShapes.add(drawCircleItem); fileMenu.add(drawShapes); fileMenu.add(closeMenu);

JMenuBar menuBar = new JMenuBar(); menuBar.add(fileMenu); setJMenuBar(menuBar);

setSize(300, 400); setVisible(true);

setDefaultCloseOperation(EXIT\_ON\_CLOSE);

}

public static void main(String[] args) {

// TODO Auto-generated method stub new Experiment15();

}

@Override

public void paint(Graphics g) {

// TODO Auto-generated method stub super.paint(g);

switch (shape) { case "Line":

g.drawLine(150, 100, 200, 100);

break; case "Oval":

g.drawOval(100, 100, 200, 100);

break; case "Rectangle":

g.drawRect(100, 200, 100, 50);

break; case "Square":

g.drawRect(100, 200, 100, 100);

break; case "Circle":

g.drawOval(100, 100, 100, 100);

break;

}

}

@Override

public void actionPerformed(ActionEvent e) {

// TODO Auto-generated method stub shape = e.getActionCommand(); repaint();

}

}