



The image shows a Notepad++ window titled '*new 1 - Notepad++'. The menu bar includes File, Edit, Search, View, Encoding, Language, Settings, Macro, Run, Plugins, Window, and ?. The toolbar contains various icons for file operations, editing, and development. The code is written in Java and defines a class named 'SwingThing'. It includes several imports for AWT and Swing components. The 'main' method uses 'SwingUtilities.invokeLater' to call a 'run' method, which in turn calls 'createAndShowGUI'. The 'createAndShowGUI' method creates a 'JFrame' titled 'My Thing', sets its default close operation to 'EXIT_ON_CLOSE', sets its size to 250x250, adds a 'MyExamplePanel' (which is not defined in the visible code), packs it, and sets it to be visible.

```
1 package edu.frostburg.cosc310.inclass;
2
3 import java.awt.Color;
4 import java.awt.Dimension;
5 import java.awt.Graphics;
6 import java.awt.event.MouseAdapter;
7 import java.awt.event.MouseEvent;
8 import javax.swing.BorderFactory;
9 import javax.swing.JFrame;
10 import javax.swing.JPanel;
11 import javax.swing.SwingUtilities;
12
13 public class SwingThing {
14     public static void main(String[] args) {
15         SwingUtilities.invokeLater(new Runnable() {
16             public void run() {
17                 createAndShowGUI();
18             }
19         });
20     }
21
22     private static void createAndShowGUI() {
23         JFrame f = new JFrame("My Thing");
24         f.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
25         f.setSize(250,250);
26         f.add(new MyExamplePanel());
27         f.pack();
28         f.setVisible(true);
29     }
30 }
31
```

Java source file length: 2270 lines: 80 Ln: 47 Col: 9 Sel: 0 | 0 Dos\Windows UTF-8 w/o BOM INS

```
*new 1 - Notepad++
File Edit Search View Encoding Language Settings Macro Run Plugins Window ?
new 1 x
35
36 class MyExamplePanel extends JPanel {
37
38     private int squareX = 50;
39     private int squareY = 50;
40     private int squareW = 20;
41     private int squareH = 20;
42
43     public MyExamplePanel() {
44         setBorder(BorderFactory.createLineBorder(Color.BLACK));
45
46         addMouseListener(new MouseAdapter() {
47             public void mousePressed(MouseEvent e) {
48                 moveSquare(e.getX(), e.getY());
49             }
50         });
51
52         addMouseMotionListener(new MouseAdapter() {
53             public void mouseDragged(MouseEvent e) {
54                 moveSquare(e.getX(), e.getY());
55             }
56         });
57     }
58
59     private void moveSquare(int x, int y) {
60         int OFFSET = 1;
61         if ((squareX!=x) || (squareY!=y)) {
62             repaint(squareX,squareY,squareW+OFFSET,squareH+OFFSET);
63             squareX=x;
64             squareY=y;
65             repaint(squareX,squareY,squareW+OFFSET,squareH+OFFSET);
66         }
67     }
68
69     public Dimension getPreferredSize() {
70         return new Dimension(250, 200);
71     }
72
73     public void paintComponent(Graphics g) {
74         super.paintComponent(g);
75
76         // text
77         g.drawString("Hello Steve", 10, 20);
78
79         g.setColor(Color.RED);
80         g.fillRect(squareX, squareY, squareW, squareH);
81         g.setColor(Color.BLACK);
82         g.drawRect(squareX, squareY, squareW, squareH);
83     }
84 }
```

Java source file length: 2306 lines: 84 Ln: 25 Col: 5 Sel: 0 | 0 Dos\Windows UTF-8 w/o BOM INS