

myMenu.java

```
1 import javax.swing.JFrame;
2 import javax.swing.JMenu;
3 import javax.swing.JMenuBar;
4 import javax.swing.JMenuItem;
5 import javax.swing.JScrollPane;
6 import javax.swing.JTextArea;
7
8
9
10 public class myMenu {
11     private JFrame frame ;
12     private JMenuBar menuBar ;
13     private JMenu jMenu ;
14     private JMenuItem mi1 , mi2 , mi3 , mi4 ;
15     private JTextArea ta ;
16     private JScrollPane sb ;
17
18     public myMenu () {
19         //initializing the objects
20         frame = new JFrame("Note Pad") ;
21         menuBar = new JMenuBar() ;
22         mi1 = new JMenuItem("Save");
23         mi2 = new JMenuItem("Load");
24         mi3 = new JMenuItem("Reset");
25         mi4 = new JMenuItem("Exit");
26         ta = new JTextArea() ;
27         jMenu = new JMenu("File") ;
28         sb = new JScrollPane(ta); // when initialize the SP you place in the parameter
        the component that you want to scroll(in this case our TextArea.)
29
30         //eventHandling
31         handler han1 = new handler(ta) ;
32         mi1.addActionListener(han1);
33         mi2.addActionListener(han1);
34         mi3.addActionListener(han1);
35         mi4.addActionListener(han1);
36
37         //Adding the items to the menu
38         jMenu.add(mi1);
39         jMenu.add(mi2);
40         jMenu.add(mi3);
41         jMenu.add(mi4);
42
43         //Adding the menu to the menu bar
44         menuBar.add(jMenu) ;
45
46         // Setting the menu bar to the frame
47         frame.setJMenuBar(menuBar) ;
48
49         //optimizing the text area then addingit to the frame
50         ta.setLineWrap(true);
51         ta.setWrapStyleWord(true);
52         frame.add(sb); // you do not need to add the Text area since it is already
        added by the scrollPane
53
54         frame.setSize(500, 500);
55         frame.setVisible(true);
56         frame.setDefaultCloseOperation(JFrame.DISPOSE_ON_CLOSE);
57
```

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```
58
59     }
60
61     public static void main (String args [] ) {
62         myMenu m = new myMenu() ;
63     }
64
65 }
66
```