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```
import java.awt.*;
import java.awt.event.*;
import javax.swing.*;

public class GUIMenu implements ActionListener
{
    private JFrame frame;

    public static void main (String[] args)
    {
        GUIMenu gui = new GUIMenu();
        gui.start();
    }

    public void start()
    {
        frame = new JFrame("GUI Menus");
        frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        Container contentPane = frame.getContentPane();

        makeMenus();

        frame.setSize(300, 300);
        frame.setVisible(true);
    }

    private void makeMenus()
    {
        JMenuBar menuBar;
        JMenu menu;
        JMenuItem menuItem;

        menuBar = new JMenuBar();
        frame.setJMenuBar(menuBar);

        // set up the File menu
        menu = new JMenu("File");
        menuBar.add(menu);

        // add File menu items
        menuItem = new JMenuItem("New");
        menuItem.addActionListener(this);
        menu.add(menuItem);
        menuItem = new JMenuItem("Open...");
        menuItem.addActionListener(this);
        menu.add(menuItem);
        menuItem = new JMenuItem("Save");
        menuItem.addActionListener(this);
        menu.add(menuItem);
        menuItem = new JMenuItem("Save As...");
        menuItem.addActionListener(this);
        menu.add(menuItem);
        menu.addSeparator();
        menuItem = new JMenuItem("Exit");
        menuItem.addActionListener(this);
        menu.add(menuItem);
    }

    public void actionPerformed(ActionEvent e)
    {
        if (e.getActionCommand().equals("New"))
```

```

newMethod();
else if (e.getActionCommand().equals("Open..."))
openMethod();
else if (e.getActionCommand().equals("Save"))
saveMethod();
else if (e.getActionCommand().equals("Save As..."))
saveAsMethod();
else if (e.getActionCommand().equals("Exit"))
exitMethod();
}

private void newMethod()
{
JOptionPane.showMessageDialog(frame,
"The File > New menu option was clicked",
"Menu Item Click",
JOptionPane.INFORMATION_MESSAGE);
}

private void openMethod()
{
JOptionPane.showMessageDialog(frame,
"The File > Open... menu option was clicked",
"Menu Item Click",
JOptionPane.INFORMATION_MESSAGE);
}

private void saveMethod()
{
JOptionPane.showMessageDialog(frame,
"The File > Save menu option was clicked",
"Menu Item Click",
JOptionPane.INFORMATION_MESSAGE);
}

private void saveAsMethod()
{
JOptionPane.showMessageDialog(frame,
"The File > Save As... menu option was clicked",
"Menu Item Click",
JOptionPane.INFORMATION_MESSAGE);
}

private void exitMethod()
{
System.exit(0);
}
}

```

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