```java
import java.awt.*;
import java.awt.event.*;
import javax.swing.*;public class GUIMenu2
{
    private JFrame frame;    public static void main (String[] args)
    {
        GUIMenu2 gui = new GUIMenu2();
        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");
    menu.setMnemonic(KeyEvent.VK_F);
    menuBar.add(menu);

    // add File menu items
    menuItem = new JMenuItem("New");
    menuItem.setMnemonic(KeyEvent.VK_N);
    menuItem.addActionListener(new newListener());
        menuItem.setAccelerator(
        KeyStroke.getKeyStroke(KeyEvent.VK_N,
            Event.CTRL_MASK));
    menu.add(menuItem);
    menuItem = new JMenuItem("Open...");
    menuItem.setMnemonic(KeyEvent.VK_O);
    menuItem.addActionListener(new openListener());
        menuItem.setAccelerator(
        KeyStroke.getKeyStroke(KeyEvent.VK_O,
            Event.CTRL_MASK));
    menu.add(menuItem);
    menuItem = new JMenuItem("Save");
    menuItem.setMnemonic(KeyEvent.VK_S);
    menuItem.addActionListener(new saveListener());
        menuItem.setAccelerator(
        KeyStroke.getKeyStroke(KeyEvent.VK_S,
            Event.CTRL_MASK));
        menu.add(menuItem);
    menuItem = new JMenuItem("Save As...");
    menuItem.setMnemonic(KeyEvent.VK_A);
    menuItem.setDisplayedMnemonicIndex(5);
    menuItem.addActionListener(new saveAsListener());
    menu.add(menuItem);
    menu.addSeparator();
```

```java
    menuItem = new JMenuItem("Exit");
    menuItem.setMnemonic(KeyEvent.VK_X);
    menuItem.addActionListener(new exitListener());
        menuItem.setAccelerator(
        KeyStroke.getKeyStroke(KeyEvent.VK_Q,
          Event.CTRL_MASK));
    menu.add(menuItem);
    }

    private class newListener implements ActionListener
    {
    public void actionPerformed(ActionEvent e)
    {
    JOptionPane.showMessageDialog(frame,
    "The  File > New  menu option was clicked",
    "Menu Item Click",
    JOptionPane.INFORMATION_MESSAGE);
    }
    }

    private class openListener implements ActionListener
    {
    public void actionPerformed(ActionEvent e)
    {
    JOptionPane.showMessageDialog(frame,
    "The  File > Open...  menu option was clicked",
    "Menu Item Click",
    JOptionPane.INFORMATION_MESSAGE);
    }
    }

    private class saveListener implements ActionListener
    {
    public void actionPerformed(ActionEvent e)
    {
    JOptionPane.showMessageDialog(frame,
    "The  File > Save  menu option was clicked",
    "Menu Item Click",
    JOptionPane.INFORMATION_MESSAGE);
    }
    }

    private class saveAsListener implements ActionListener
    {
    public void actionPerformed(ActionEvent e)
    {
    JOptionPane.showMessageDialog(frame,
    "The  File > Save As...  menu option was clicked",
    "Menu Item Click",
    JOptionPane.INFORMATION_MESSAGE);
    }
    }

    private class exitListener implements ActionListener
    {
    public void actionPerformed(ActionEvent e)
    {
    System.exit(0);
    }
    }
}
```