

[Print Window](#) [Close Window](#)

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

public class Lists
{
    // window frame
    private JFrame frame;
    private JPanel contentPane;

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

    public void start()
    {
        frame = new JFrame("Lists");
        frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        contentPane = (JPanel) frame.getContentPane();

        makeMenus();
        makeContent();

        frame.pack();
        frame.setVisible(true);
    }

    private void makeMenus()
    {
        JMenuBar menuBar;

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

        // set up menus
        menuBar.add(makeFileMenu());
        menuBar.add(makeViewMenu());
        menuBar.add(makeHelpMenu());
    }

    private JMenu makeFileMenu()
    {
        JMenu menu;
        JMenuItem menuItem;

        // set up the File menu
        menu = new JMenu("File");
        menu.setMnemonic(KeyEvent.VK_F);

        // add Open menu item
        menuItem = new JMenuItem("Open...");
        menuItem.setMnemonic(KeyEvent.VK_O);
        menuItem.addActionListener(new OpenMenuItemListener());
        menuItem.setAccelerator(
            KeyStroke.getKeyStroke(KeyEvent.VK_O,
                                   Event.CTRL_MASK));
        menu.add(menuItem);
    }
}
```

```

        // add Exit menu item
        menu.addSeparator();
        menuItem = new JMenuItem("Exit");
        menuItem.setMnemonic(KeyEvent.VK_X);
        menuItem.addActionListener(new ExitMenuItemListener());
        menuItem.setAccelerator(
            KeyStroke.getKeyStroke(KeyEvent.VK_Q,
                                   Event.CTRL_MASK));

        menu.add(menuItem);

        return menu;
    }

    private JMenu makeViewMenu()
    {
        JMenu menu;
        JMenuItem menuItem;

        // set up the View menu
        menu = new JMenu("View");
        menu.setMnemonic(KeyEvent.VK_V);

        // add Next Player menu item
        menuItem = new JMenuItem("Next Player");
        menuItem.addActionListener(new NextMenuItemListener());
        menuItem.setAccelerator(
            KeyStroke.getKeyStroke(KeyEvent.VK_DOWN,
                                   Event.ALT_MASK));
        menu.add(menuItem);

        // add Previous Player menu item
        menuItem = new JMenuItem("Previous Player");
        menuItem.addActionListener(new PrevMenuItemListener());
        menuItem.setAccelerator(
            KeyStroke.getKeyStroke(KeyEvent.VK_UP,
                                   Event.ALT_MASK));
        menu.add(menuItem);

        // add Team View
        menu.addSeparator();
        menuItem = new JMenuItem("Team View");
        menuItem.addActionListener(new TeamMenuItemListener());
        menu.add(menuItem);

        // add Player View
        menuItem = new JMenuItem("Player View");
        menuItem.addActionListener(new PlayMenuItemListener());
        menu.add(menuItem);

        return menu;
    }

    private JMenu makeHelpMenu()
    {
        JMenu menu;
        JMenuItem menuItem;

        // set up the Help menu
        menu = new JMenu("Help");
        menu.setMnemonic(KeyEvent.VK_H);

        // add About menu item
        menuItem = new JMenuItem("About Lists");
        menuItem.setMnemonic(KeyEvent.VK_A);
        menuItem.addActionListener(new AboutMenuItemListener());
    }

```

```

        menu.add(menuItem);

        return menu;
    }

    private void makeContent()
    {

    }

    private class AboutMenuItemListener implements ActionListener
    {
        public void actionPerformed(ActionEvent e)
        {
            JOptionPane.showMessageDialog(frame,
                "Lists\n\nVersion 1.0\nBuild B200803275-1720\n\n" +
                "(c) Copyright Merrill Hall 2008\nAll rights reserved\n\n" +
                "Visit /\nEducation To Go\n" +
                "Intermediate Java Course",
                "About Lists",
                JOptionPane.INFORMATION_MESSAGE);
        }
    }

    private class OpenMenuItemListener implements ActionListener
    {
        public void actionPerformed(ActionEvent ae)
        {
            JOptionPane.showMessageDialog(frame,
                "The Open... menu item was selected",
                "Open Menu Item",
                JOptionPane.INFORMATION_MESSAGE);
        }
    }

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

    private class NextMenuItemListener implements ActionListener
    {
        public void actionPerformed(ActionEvent ae)
        {
            JOptionPane.showMessageDialog(frame,
                "The Next menu item was selected",
                "Next Menu Item",
                JOptionPane.INFORMATION_MESSAGE);
        }
    }

    private class PrevMenuItemListener implements ActionListener
    {
        public void actionPerformed(ActionEvent ae)
        {
            JOptionPane.showMessageDialog(frame,
                "The Previous menu item was selected",
                "Previous Menu Item",
                JOptionPane.INFORMATION_MESSAGE);
        }
    }

```

```
private class TeamMenuItemListener implements ActionListener
{
    public void actionPerformed(ActionEvent ae)
    {
        JOptionPane.showMessageDialog(frame,
            "The Team View menu item was selected",
            "Team View Menu Item",
            JOptionPane.INFORMATION_MESSAGE);
    }
}

private class PlayMenuItemListener implements ActionListener
{
    public void actionPerformed(ActionEvent ae)
    {
        JOptionPane.showMessageDialog(frame,
            "The Player View menu item was selected",
            "Player View Menu Item",
            JOptionPane.INFORMATION_MESSAGE);
    }
}
}
```

[Print Window](#) [Close Window](#)