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package Unit02;

import javax.swing.*;
import java.awt.event.*;           //NEW - needed for Action and ActionListeners

/*
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 *   This program shows how to create the very basics of an ActionListener.
 *   It adds the ability to close the window using the JMenuBar "EXIT" option)
 *   ActionListeners - basically watch for actions and perform tasks
 *   NOTE: import java.awt.event.*; is needed for ActionListeners!
 */

public class MyFirstWindow05 {

    /*
     *   Note: We create an ActionListener OUTSIDE the main method.
     *   The following ActionListener is called CloseWindow
     */

    static class CloseWindow implements ActionListener{ //Accept these 5 lines
        public void actionPerformed(ActionEvent e){      //defined action to perform
            System.exit(0);                               //what the action should do
        }
    }

    public static void main(String[] args) {

        //Build Frame Window with new icon and set window size
        JFrame theWindow = new JFrame("My First Window");           // Window Object
        theWindow.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE); //default close
        ImageIcon myNewIcon = new ImageIcon("C:\\Users\\sauxh\\Documents\\"
            + "NetBeansProjects\\2016APcsci\\src\\Images\\star.jpg");
        theWindow.setIconImage(myNewIcon.getImage());               // set the icon!
        theWindow.setSize(400,400);                                  // we have a forced window size

        //Build the button in the window content pane
        JButton myButton = new JButton("Press Here");                // creates object
        theWindow.getContentPane().add(myButton);                    //put button in ContentPane

        //Create the menu objects ... this time making the Exit actually Exit
        JMenuBar niceNewMenu = new JMenuBar();                       // build JMenuBar object
        JMenu menuItem1 = new JMenu("FILE");                         // build a Menu object
        JMenuItem subItem1 = new JMenuItem("Exit");                 // build Menu subitem
    }
}

```

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//Add ability to give action to subItem1 "Exit"
subItem1.addActionListener(new CloseWindow()); // add action to subitem

//Build the menu (now that it has action)
menuItem1.add(subItem1); // add subitem to menu
niceNewMenu.add(menuItem1); // add menu to bar
theWindow.setJMenuBar(niceNewMenu); // set JMenuBar to ours

theWindow.setVisible(true); //make window show up!
}
} /* ©2017 www.hendermonger.com */
```