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package Homework3.window;
import javax.swing.*;
import javax.swing.border.Border;
import java.awt.*;
import java.awt.event.*;
public class CheckBoxes extends JPanel {
    private JFrame window;
    private JPanel panel, panel1, panel2, panel3;
    private JTextField editNombre, editDireccion, editTelefono;
    private JTextArea textOutput;
    private JCheckBox name, address, phone;
    public CheckBoxes() {
        //create the window
        window = new JFrame("GridLayout structure");
        //create the main panel
        panel = new JPanel(new GridLayout(3, 0, 20, 10));
        window.add(panel);
        //create a border
        Border whiteBorder = BorderFactory.createLineBorder(Color.white, 5);
        panel.setBorder(whiteBorder);
        name = new JCheckBox("Name", false);
        address = new JCheckBox("Address", false);
        phone = new JCheckBox("Phone", false);
        //create the text fields with 70 columns
        editNombre = new JTextField("Input First name here...", 20);
        editDireccion = new JTextField("Input Address name here...");
        editTelefono = new JTextField("Input Phone number name here...");
        textOutput = new JTextArea();
        panel1 = new JPanel();
        panel1.setLayout(new GridLayout());
        panel1.add(editNombre);
        panel1.add(editDireccion);
        panel1.add(editTelefono);
        panel.add(panel1);
        panel2 = new JPanel();
        panel2.setLayout(new GridLayout());
        panel2.add(name);
        panel2.add(address);
        panel2.add(phone);
        //attach and add the event handler to checkbox address
        address.addItemListener(new ItemListener() {
            @Override
            public void itemStateChanged(ItemEvent e) {
                if (address.isSelected()) {
                    textOutput.append(editDireccion.getText() + " ");
                } else {
                    textOutput.setText("");
                    name.setSelected(false);
                    address.setSelected(false);
                    phone.setSelected(false);
                }
            }
        });
        //attach and add the event handler to checkbox name
        name.addItemListener(new ItemListener() {
            @Override
            public void itemStateChanged(ItemEvent e) {
                if (name.isSelected()) {
                    textOutput.append(editNombre.getText() + " ");
                } else {
                    textOutput.setText("");
                    name.setSelected(false);
                    address.setSelected(false);
                    phone.setSelected(false);
                }
            }
        });
        //attach and add the event handler to checkbox phone
        phone.addItemListener(new ItemListener() {
            @Override
            public void itemStateChanged(ItemEvent e) {
                if (phone.isSelected()) {
                    textOutput.append(editTelefono.getText() + " ");
                } else {
                    textOutput.setText("");
                    name.setSelected(false);
                }
            }
        });
    }
}

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        address.setSelected(false);
        phone.setSelected(false);
    }
}
});
panel.add(panel2);
panel3 = new JPanel();
panel3.setLayout(new GridLayout());
//add fields to the panel
panel3.add(textOutput);
panel.add(panel3);
//creating a pane and set the panel as the content pane of the window
window.add(panel);
//when window is closed, terminate the program as well
window.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
//set window title
window.setTitle("Homework 3.9.15");
//set window size
window.pack();
//make window visible
window.setVisible(true);
}
public static void main(String[] args) {
    new Homework3.window.CheckBoxes();
}
}

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