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Loading vc-cvs...
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package caltool.options_ui;

import caltool.options.*;
import mvp.*;
import javax.swing.*;
import java.awt.*;

public class TimesAndDatesOptionsPanel extends View {

    public TimesAndDatesOptionsPanel(Screen screen, Options options) {
        super(screen, options);
        maxTextFieldHeight = 1.9;
    }

    public Component compose() {

        /*
         * Make this' widget a vertically laid out JPanel.
         */
        JPanel panel = new JPanel();
        panel.setLayout(new BoxLayout(panel, BoxLayout.Y_AXIS));

        panel.add(composeTimeFormat());
        panel.add(composeDateDisplayFormat());
        panel.add(composeDateInputFormat());

        return (widget = panel);
    }

    protected Component composeTimeFormat() {
        Box hbox = Box.createHorizontalBox();

        hbox.add(Box.createHorizontalStrut(10));
        JLabel label = new JLabel("Time Format: ");
        label.setAlignmentY(Component.BOTTOM_ALIGNMENT);

        hbox.add(label);
        hbox.add(Box.createHorizontalStrut(30));
        hbox.add(composeClockButtons());
        hbox.add(Box.createHorizontalStrut(30));
        hbox.add(composeAMPMCheckBoxes());
        hbox.add(Box.createHorizontalStrut(30));
        hbox.add(composeAMPMPrefix());
        hbox.add(Box.createHorizontalStrut(10));

        return hbox;
    }

    protected Component composeClockButtons() {
        Box vbox = Box.createVerticalBox();
        JRadioButton twelveHour = new JRadioButton("12-hour clock");
        JRadioButton twentyFourHour = new JRadioButton("24-hour clock");
        ButtonGroup group= new ButtonGroup();

        group.add(twelveHour);
        group.add(twentyFourHour);
        twelveHour.setSelected(true);
        vbox.add(twelveHour);
        vbox.add(twentyFourHour);

        return vbox;
    }

    protected Component composeAMPMCheckBoxes() {
        Box vbox = Box.createVerticalBox();
        JCheckBox showAM = new JCheckBox("Show AM");
        JCheckBox showPM = new JCheckBox("Show PM");

        showAM.setSelected(true);
        showPM.setSelected(true);
        vbox.add(showAM);
        vbox.add(showPM);

        return vbox;
    }

    protected Component composeAMPMPrefix() {
        Box hbox = Box.createHorizontalBox();
        JLabel label = new JLabel("AM/PM Prefix: ");
        JTextField prefix = new JTextField(3);

        label.setAlignmentY(Component.BOTTOM_ALIGNMENT);
        prefix.setAlignmentY(Component.BOTTOM_ALIGNMENT);
        prefix.setMaximumSize(
            new Dimension(
                (int)(3 * prefix.getFont().getSize()),
                (int)(maxTextFieldHeight * prefix.getFont().getSize())));
        prefix.setMinimumSize(
            new Dimension(
                (int)(3 * prefix.getFont().getSize()),
                (int)(maxTextFieldHeight * prefix.getFont().getSize())));


//      Next line must wait for 1.4.
//      hbox.setAlignmentY(Component.BOTTOM_ALIGNMENT);
        hbox.add(label);
        hbox.add(prefix);

        return hbox;
    }

    protected Component composeDateDisplayFormat() {
        Box hbox = Box.createHorizontalBox();
        JLabel label = new JLabel("Date Display Format: ");
        Box comboVbox = Box.createVerticalBox();
        Box separatorVbox = Box.createVerticalBox();
        String[] selections = {
            "day of week, full name",
            "day of week, three characters",
            "day of week, one or two characters",
            "date number",
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```
            "month, full name",
            "month, short name",
            "month number",
            "year, four digits",
            "year, two digits",
        };
        JComboBox dayCombo = new JComboBox(selections);
        JComboBox dateCombo = new JComboBox(selections);
        JComboBox monthCombo = new JComboBox(selections);
        JComboBox yearCombo = new JComboBox(selections);

/*
        dayCombo.addItem("day of week, full name");
        dayCombo.addItem("day of week, three characters");
        dayCombo.addItem("day of week, one or two characters");
        dayCombo.addItem(new JSeparator());
        dayCombo.addItem("date number");
        dayCombo.addItem(new JSeparator());
        dayCombo.addItem("month, full name");
        dayCombo.addItem("month, short name");
        dayCombo.addItem("month number");
        dayCombo.addItem(new JSeparator());
        dayCombo.addItem("year, four digits");
        dayCombo.addItem("year, two digits");
 */

        label.setAlignmentY(Component.TOP_ALIGNMENT);
        label.setAlignmentY(Component.LEFT_ALIGNMENT);
        dayCombo.setAlignmentY(Component.BOTTOM_ALIGNMENT);
        yearCombo.setAlignmentY(Component.TOP_ALIGNMENT);
        dayCombo.setMaximumSize(
            new Dimension(
                (int)(34 * dayCombo.getFont().getSize()),
                (int)(maxTextFieldHeight * dayCombo.getFont().getSize())));
        dateCombo.setMaximumSize(
            new Dimension(
                (int)(34 * dayCombo.getFont().getSize()),
                (int)(maxTextFieldHeight * dayCombo.getFont().getSize())));
        monthCombo.setMaximumSize(
            new Dimension(
                (int)(34 * dayCombo.getFont().getSize()),
                (int)(maxTextFieldHeight * dayCombo.getFont().getSize())));
        yearCombo.setMaximumSize(
            new Dimension(
                (int)(34 * dayCombo.getFont().getSize()),
                (int)(maxTextFieldHeight * dayCombo.getFont().getSize())));

        dayCombo.setSelectedItem("day of week, full name");
        dateCombo.setSelectedItem("date number");
        monthCombo.setSelectedItem("month, full name");
        yearCombo.setSelectedItem("year, four digits");

        comboVbox.add(dayCombo);
        comboVbox.add(Box.createVerticalStrut(8));
        comboVbox.add(dateCombo);
        comboVbox.add(Box.createVerticalStrut(8));
        comboVbox.add(monthCombo);
        comboVbox.add(Box.createVerticalStrut(8));
        comboVbox.add(yearCombo);
        comboVbox.add(Box.createVerticalStrut(8));
        comboVbox.setAlignmentY(Component.TOP_ALIGNMENT);

        hbox.add(label);
        hbox.setAlignmentY(Component.TOP_ALIGNMENT);
        hbox.add(comboVbox);

        return hbox;
    }

    protected Component composeDateInputFormat() {
        Box hbox = Box.createHorizontalBox();
        return hbox;
    }

    /** The max height of a text field */
    protected final double maxTextFieldHeight;

}
```