

WEEK 2 – EXTRA(S)

ItemStateChangeListener Demo

* @author George Nguyen (George.Nguyen@rmit.edu.vn)

```
public class ItemStateListenerDemo extends MIDlet implements ItemStateListener {

    private Form mForm;
    private Gauge volume;
    private ChoiceGroup gender;
    private Display mDisplay;
    private StringItem status = new StringItem("Status:", "");

    protected void startApp() {
        mForm = new Form("My Form");
        volume = new Gauge("Volume", true, 5, 3);
        gender = new ChoiceGroup("Gender", ChoiceGroup.EXCLUSIVE);
        gender.append("Female", null);
        gender.append("Male", null);

        mForm.append(volume);
        mForm.append(gender);
        mForm.append(status);

        mDisplay = Display.getDisplay(this);
        mDisplay.setCurrent(mForm);
        mForm.setItemStateListener(this);
    }

    protected void pauseApp() { }

    protected void destroyApp(boolean unconditional) { }

    public void itemStateChanged(Item item) {
        if (item == volume) {
            status.setText("Gauge's value changed to " + volume.getValue());
        }
        if (item == gender) {
            status.setText("CheckBox's value changed to " + gender.getString(gender.getSelectedIndex()));
        }
    }
}
```