Implementing horizontally scrolling view with QML Flickable

This code snippet demonstrates how to use the `Flickable` QML element to implement a horizontally scrolling view.

Overview

The view has 20 vertical lines to visualise the flicking. The background colour is changed when the view is moved.

The code snippet is meant to be run with `qmlviewer`.

Preconditions

- Qt 4.7 or higher is installed on your platform.

Source

ui.qml

The `contentWidth` of `Flickable` is set as four times the width of `background`. The signal handlers `onMovementStarted` and `onMovementEnded` change the colour of `background` when the view is moved. The vertical lines are generated using the `Row` and `Repeater` QML elements.

```
import Qt 4.7

Rectangle {
    id: background

    width: 800; height: 480
    Behavior on color { ColorAnimation { duration: 200 } }
    color: "black"

    Flickable {
        id: flickable

        anchors.fill: parent
        contentWidth: flickable.width * 4; contentHeight: flickable.height

        onMovementStarted: background.color = "#705050"
        onMovementEnded: background.color = "black"

        Row {
            x: 50
            spacing: flickable.contentWidth / repeater.model
            Repeater {
                id: repeater
                model: 20
                Rectangle {
                    width: 2; height: flickable.height; color: "white"

                    Text {
                        anchors.bottom: parent.bottom
                        x: -15; text: index + 1; color: "white"
                    }
                }
            }
        }
    }
}
```

Postconditions

The snippet demonstrated the using of the `Flickable` QML element. The application implemented a horizontally flicking view with vertical lines to visualise flicking. Also, the `Flickable` signal handlers `onMovementStarted` and `onMovementEnded` were used to change the background colour when the view was moved.

(C) Copyright Nokia 2013. All rights reserved.

(C) Copyright Nokia 2013. All rights reserved.