Custom Rating Indicator using Qt Quick

This article demonstrates how to create a custom Rating Indicator using Qt Quick. Note there is also a Symbian Qt Quick Component RatingIndicator Element.

Introduction

In this article we will see how to create an animated custom Rating Indicator using the QML State and Transition elements.

Custom Rating Indicator

Note: This image isn't animated. Try the example to see the indicator at work!

Implementation

Let's create an empty QML project. We create 5 Images in a Row to align all the Images horizontally. We set the *opacity* and *scale* of the Images to *0.4* and *0.5* so that it looks small and faded.

```
Image {
        id: imageStar1
        source: "star.png"
        opacity: 0.4
        scale: 0.5
        MouseArea {
          anchors.fill: parent
          height: parent.height+20
          width: parent.width+20
          onClicked: {
              itemRatingIndicator.rating = 1
          }
        }
}
```

On clicking the Images we set a value to the `rating` parameter and change the State of the Images to *opacity* and *scale* to 100%'.

```
states: [
        State {
          name: "star"
          when: itemRatingIndicator.rating >= 1
          PropertyChanges {
            target: imageStar1
            opacity: 1
            scale: 1
          }
        }
        ]
```

To make a smooth change in the State we add Transition with an `OutBounce` easing effect.

```
transitions: [
        Transition {
            NumberAnimation { properties: "opacity,scale"; easing.type: Easing.OutBounce; duration: 1000 }
        }
        ]
```

Source Code

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- The full source code of the example is available here: File:RatingIndicatorQML.zip

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