Scrolling Toolbar with Flickable

This article demonstrates how to use Flickable element to create scrolling toolbar items.

Introduction

There are many ways to create scrolling toolbar , but here we will discuss how we can create scrolling toolbar with images. On clicking on the menu items we will change the display image as shown in the figure.

Basic Idea

We will take few images and will add those images in the resource file of the project. A rectangle is taken with definite height and width. We set the images inside the rectangle. Using Flickable element property on top of the images we get the left-right scrolling effect of the images. We use MouseArea event to capture the mouse event of the item, and on each mouse click we change the display image on the body.

Scrolling Toolbar

main.qml

```
import QtQuick 1.0
import com.meego 1.0
import Qt 4.7
 Window {
    id: appWindow
   width: 480
   height: 854
   function changeImage(imageName)
   {
       thumbnails.source = "images/thumbnails/"+imageName;
   }
    PageStack{
        Rectangle{
            height: 113
            width: 150
            x:350
            //y:50
            Image {
                id: thumbnails
                source: "images/thumbnails/1.jpeg"
            }
        }
    Rectangle{
        id: toolbarRect
        width: parent.width
        height: 102
        color: "white"
        x:0
        y:200
        Flickable {
               id: flickable
               anchors.fill: parent
              contentWidth: flickable.width *1.7; contentHeight: flickable.height
         Image {
            id: image1
            source:  "qrc:images/menuicons/higloss-accessibility.jpg"
            x:0
            smooth: true
            opacity: !accessibility.pressed ? 1 : 0.5
            MouseArea {
                id:accessibility
               // anchors.fill: parent
                anchors.centerIn: parent
                width: parent.width+20
                height: parent.height+20
                onClicked: changeImage("2.jpeg");
             }
        }
        Image {
            id: image2
            x:130
             smooth: true
            source: "qrc:images/menuicons/higloss-agenda.jpg"
            opacity: !agenda.pressed ? 1 : 0.5
            MouseArea {
                id:agenda
               // anchors.fill: parent
                anchors.centerIn: parent
                width: parent.width+20
                height: parent.height+20
                onClicked: changeImage("3.jpeg");
```


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```
        }
    }
    Image {
        id: image3
        x:260
         smooth: true
        source: "qrc:images/menuicons/higloss-announcement.jpg"
         opacity: !announcement.pressed ? 1 : 0.5
        MouseArea {
            id:announcement
            //anchors.fill: parent
            anchors.centerIn: parent
            width: parent.width+20
            height: parent.height+20
            onClicked: changeImage("4.jpeg");
        }
    }
    Image {
        id: image4
        x:390
         smooth: true
        source:  "qrc:images/menuicons/higloss-award.jpg"
          opacity: !award.pressed ? 1 : 0.5
        MouseArea {
            id:award
            //anchors.fill: parent
            anchors.centerIn: parent
            width: parent.width+20
            height: parent.height+20
            onClicked: changeImage("2.jpeg");
        }
    }
    Image {
        id: image5
        x:520
         smooth: true
       source:  "qrc:images/menuicons/higloss-button-repeat.jpg"
       opacity: !repeat.pressed ? 1 : 0.5
       MouseArea {
           id:repeat
           //anchors.fill: parent
           anchors.centerIn: parent
           width: parent.width+20
           height: parent.height+20
           onClicked: changeImage("1.jpeg");
       }
    }
    Image {
        id: image6
        x:650
         smooth: true
        source:  "qrc:images/menuicons/higloss-calendar.jpg"
        opacity: !calendar.pressed ? 1 : 0.5
        MouseArea {
            id:calendar
            //anchors.fill: parent
            anchors.centerIn: parent
            width: parent.width+20
            height: parent.height+20
            onClicked: changeImage("2.jpeg");
        }
    }
    Image {
        id: image7
        x:780
         smooth: true
         source:  "qrc:images/menuicons/higloss-calendar-check.jpg"
          opacity: !calendarcheck.pressed ? 1 : 0.5
         MouseArea {
             id:calendarcheck
             //anchors.fill: parent
             anchors.centerIn: parent
             width: parent.width+20
             height: parent.height+20
             onClicked: changeImage("3.jpeg");
         }
    }
    Image {
        id:image8
        x:910
         smooth: true
        source: "qrc:images/menuicons/higloss-add.jpg"
         opacity: !add.pressed ? 1 : 0.5
        MouseArea {
            id:add
            //anchors.fill: parent
            anchors.centerIn: parent
            width: parent.width+20
            height: parent.height+20
            onClicked: changeImage("4.jpeg");
    }
    }
    Image {
        id: image9
        x:1040
         smooth: true
        source:  "qrc:images/menuicons/higloss-alert.jpg"
         opacity: !alert.pressed ? 1 : 0.5
        MouseArea {
            id:alert
            //anchors.fill: parent
            anchors.centerIn: parent
            width: parent.width+20
            height: parent.height+20
            onClicked: changeImage("1.jpeg");
        }
    }
    Image {
        id: image10
        x:1170
         smooth: true
        source:  "qrc:images/menuicons/higloss-attention.jpg"
         opacity: !attention.pressed ? 1 : 0.5
        MouseArea {
            id:attention
            //anchors.fill: parent
            anchors.centerIn: parent
            width: parent.width+20
            height: parent.height+20
            onClicked: changeImage("2.jpeg");
```


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```
            }
        }
        Image {
            id: image11
            x:1300
             smooth: true
            source:  "qrc:images/menuicons/higloss-button-record.jpg"
              opacity: !record.pressed ? 1 : 0.5
            MouseArea {
                id:record
                //anchors.fill: parent
                anchors.centerIn: parent
                width: parent.width+20
                height: parent.height+20
                onClicked: changeImage("3.jpeg");
            }
        }
    }
}
}
}
```

Source Code

The full source code of the example is available here: File:ScrollToolbarN950.zip

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