Display SIM contacts using QML ContactModel

This article shows how to use QML ContactModel Element/Contacts QML Plugin to display SIM contacts on the screen. Note that contacts can also be accessed in C++, using the Qt Contacts API. Note also that the snippet shows use of the API within a Symbian Qt Components framework - the code should work similarly on MeeGo using the MeeGo Qt Quick Components.

Preconditions

Qt SDK version 1.1.4 or later. Create a new Qt Quick application.

Project File (.pro file)

- Add the Qt Mobility project configuration option in the .pro file as shown below:

```
CONFIG += mobility
MOBILITY += contacts
```

- Here is the project (.pro) file part related to Symbian capabilities:

```
symbian {
TARGET.CAPABILITY = NetworkServices ReadUserData WriteUserData
}
```

QML file

Here is the MainPage.qml:

```
import QtQuick 1.1
import com.nokia.symbian 1.1
import QtMobility.contacts 1.1


Page {
    id: mainPage


     Text {
         id: title
         text: "Contacts"
         anchors.horizontalCenter: parent.horizontalCenter
         anchors.top: parent.top
         anchors.topMargin: 6
         color: platformStyle.colorNormalLight

     }
     ListView {
         id: mainList
         anchors.left: parent.left
         anchors.leftMargin: 3
         anchors.right: parent.right
         anchors.rightMargin: 3
         anchors.top: title.bottom
         anchors.bottom: parent.bottom
         anchors.topMargin: 3
```


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```
        cacheBuffer: 100
        clip: true
        highlightFollowsCurrentItem: true

        snapMode: ListView.SnapOneItem
        model: contactModel.contacts
        delegate: listDelegate

        ContactModel {
            id: contactModel
           manager: "symbiansim" // "symbian" for other contact manager
           autoUpdate :true
            sortOrders:
                SortOrder {
                    detail: ContactDetail.Name
                    field: Name.LastName
                    direction: Qt.AscendingOrder
                }
        }

        Component {
            id: listDelegate

            ListItem {
                id: contactItem
                subItemIndicator: true

                ListItemText {
                    id: nameItem
                    mode: contactItem.mode
                    role: "Title"
                    text: displayLabel
                }

            }
        }

        ScrollDecorator {
            flickableItem: mainList
        }

    }
}
```


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