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
         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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```
    }
}
```


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