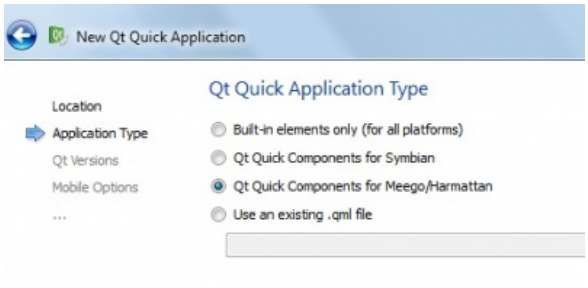
Getting Started with Meego Harmattan Qt Quick Components

This article shows how to create a "Hello World" app for MeeGo using the MeeGo Qt Quick Components in the Qt SDK.

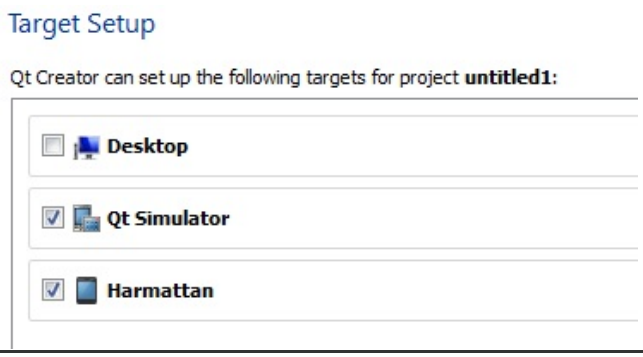
Creating MeeGo Qt Quick Components app

To create an app using the MeeGo Harmattan Qt Quick Components, we start from the appropriate Qt Create wizard. From the File Menu do:

```
File -> New File or Project > Qt Quick Application > Qt Quick Components for MeeGo/Harmattan
```



Make sure you have selected Harmattan Emulator as your build target:



First app: Hello world

You need to import `com.nokia.meego 1.0` to use MeeGo Qt Quick Component in your application. The Qt Quick components are built with QML and you can use them in your QML application in the same way as any of the standard QML elements. Make the components available to your application by importing them as follows:

```
import com.nokia.meego      // MeeGo components
```

Use PageStackWindow as your main element. Under `PageStackWindow` you should define your ToolBarLayout what tools you have visible in default toolbar and then put your main page to initial `Page`. If you don't want to put the Menu in your application, you could remove `toolbar-view-menu` and menu related form toolbar.

Please note that MeeGo apps don't need **Close** or **Exit** button because they are handled by swipe event and Task Manager. You can either have `MainPage` as separate Qml file that is then loaded as a Component or you could just have it included in same main.qml with Component definition.

Menu

Perhaps the most important part of the main.qml is the place where the navigation page content is declared. The `initialPage` property for PageStackWindow defines the first `Page` component that is shown when the PageStackWindow is shown to the user.

```
initialPage: mainPage
```

You can use ToolBarLayout to create Menu on your application. You can use the Various IconId to change the menu button like `toolbar-view-menu`, `toolbar-back`.

```
ToolBarLayout
{
        id: commonTools
        visible: true
        ToolIcon {
            platformIconId: "toolbar-view-menu"
```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```
            anchors.right: (parent === undefined) ? undefined : parent.right
            onClicked: (myMenu.status == DialogStatus.Closed) ? myMenu.open() : myMenu.close()
        }
    }
    Menu {
        id: myMenu
        visualParent: pageStack
        MenuLayout {
            MenuItem { text: qsTr("Sample menu item") }
            MenuItem { text: qsTr("Sample menu item1") }
            MenuItem { text: qsTr("Sample menu item2") }
        }
    }
```

Here is the Full Main.qml with PageStackWindow as main element and ToolBarLayout inside it.

Main.qml

```
import QtQuick 1.1
import com.nokia.meego 1.0
PageStackWindow {
    id: appWindow
    initialPage: mainPage
    MainPage {
        id: mainPage
    }
    ToolBarLayout {
        id: commonTools
        visible: true
        ToolIcon {
            platformIconId: "toolbar-view-menu"
            anchors.right: (parent === undefined) ? undefined : parent.right
            onClicked: (myMenu.status == DialogStatus.Closed) ? myMenu.open() : myMenu.close()
        }
    }
    Menu {
        id: myMenu
        visualParent: pageStack
        MenuLayout {
            MenuItem { text: qsTr("Sample menu item") }
            MenuItem { text: qsTr("Sample menu item1") }
            MenuItem { text: qsTr("Sample menu item2") }
        }
    }
}
```

MainPage.qml

```
import QtQuick 1.1
import com.nokia.meego 1.0
Page {
    id: mainpage1
    tools: commonTools
    Label {
        id: label
        anchors {
        horizontalCenter: parent.horizontalCenter
        top: parent.top
        topMargin: 10
        }
    }
    TextArea{
        id: text1
         anchors.centerIn: parent
         anchors.top: label.bottom
    }
    Label {
        id: labelname
        text: qsTr("Name:")
        anchors {
            top: text1.top
            topMargin: 10
            right: text1.left
            rightMargin: 10
        }
    }
    Button{
        id: btn
        anchors {
            horizontalCenter: parent.horizontalCenter
            top: text1.bottom
            topMargin: 10
        }
        text: qsTr("Click here!")
        onClicked: label.text = "Hello " + text1.text + " !"
    }
}
```

Screenshots

On Harmattan Emulator:

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On Nokia N950 Device:

Further links

You can find **MeeGo 1.2 Harmattan Developer Documentation and API** for Qt Quick Component here: MeeGo 1.2 Harmattan Developer Documentation

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