

Animated slide popup dialog using Qt Quick

This article demonstrates how to create an animated slide popup dialog using [Qt Quick](#).

Introduction

In this article we will see how to create an animated slide popup dialog using [SequentialAnimation](#). We will create a [Button](#) in the main screen and when user clicks on the [Button](#) it will display an animated popup dialog from the bottom of the screen.



Home Screen

Pop Up Dialog



Note: This image isn't animated. Try the example to see it working!

Implementation

Let's create an empty QML project. We will first create a [Button](#) in the home screen. Initially the y position of the popup [Item](#) is set out of the screen height, so that on [Button](#) click it changes its [State](#) from its initial position to $y=0$.

```
states:
    State {
        name: "Item"; when: window.inSecondScreen == true
        PropertyChanges { target: secondPage; y: 0; }
    }
```

To make a smooth [State](#) change, we use [Transition](#) with a certain time duration.

```
    }
    transitions: Transition {
        NumberAnimation { properties: "x,y"; duration: 500; easing.type:
Easing.InOutQuad }
    }
```

We set a fading animation while loading and unloading the popup dialog, so that when user clicks on the [Button](#) we start the fade-in animation.

```
SequentialAnimation {
    id: animation
    PauseAnimation { duration: 300 }
    PropertyAnimation {
        target: secondPage
```

```
        properties: "opacity"
        duration: 250
        to: 1.0
    }
}
```

And while unloading the popup dialog we start the fade-out animation using [SequentialAnimation](#).

```
SequentialAnimation {
    id: animationreverse
    PauseAnimation { duration: 50 }
    PropertyAnimation {
        target: secondPage
        properties: "opacity"
        duration: 200
        to: 0
    }
}
```

Using [SequentialAnimation](#) we change the *opacity* of the popup dialog while loading and unloading. This gives a slide popup effect while loading and unloading the popup screen.

Source Code

- The full source code of the example is available here: [File:SlidePopUpQML.zip](#)