Archived:Enabling and disabling keypad lock using Symbian C++

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Overview

This code snippet demonstrates the following use cases regarding enabling and disabling keypad lock:

1. Offering the user to enable the key lock.
2. Enabling the key lock and showing a notification ("Keypad locked" or similar).
3. Enabling the key lock without showing a notification.
4. Disabling the key lock and showing a notification ("Keypad unlocked" or similar).
5. Disabling the key lock without showing a notification.
6. Locking the device keys similarly to device lock (unlocking requires a lock code).

This snippet can be self-signed.

MMP file

The following libraries are required:

```
LIBRARY avkon.lib
```

Source file

```
#include <aknkeylock.h>  // RAknKeyLock
```

```
RAknKeyLock keyLock;
// Connect to the notifier server so that key lock state notifications can be
// displayed
User::LeaveIfError(keyLock.Connect());


// USE CASE 1
// If the key lock is not enabled, ask the user whether it should be
if (!keyLock.IsKeyLockEnabled())
    {
    keyLock.OfferKeyLock();
    }


// USE CASE 2
// If the key lock is not enabled, enable it and show a notification
if (!keyLock.IsKeyLockEnabled())
    {
    keyLock.EnableKeyLock();
    }


// USE CASE 3
// If the key lock is not enabled, enable it without showing a notification
if (!keyLock.IsKeyLockEnabled())
    {
    keyLock.EnableWithoutNote();
    }


// USE CASE 4
// If the key lock is enabled, disable it and show a notification
if (keyLock.IsKeyLockEnabled())
    {
    keyLock.DisableKeyLock();
    }


// USE CASE 5
// If the key lock is enabled, disable it without showing a notification
if (keyLock.IsKeyLockEnabled())
    {
    keyLock.DisableWithoutNote();
    }


// USE CASE 6
// Lock the device keys similarly to device lock (unlocking requires a lock
// code)
keyLock.EnableAutoLockEmulation();


// Close the session with the notifier server
keyLock.Close();
```

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Supplementary material

- You can test the keypad lock features in action in a simple, executable application into which this code snippet has been patched. The application is available for download at: Media:ExampleStub CS000932.zip
- You can examine all the changes that are required to implement keypad lock handling in an application. The changes are provided in unified diff and color-coded diff formats: Media:CS000932 Enabling and disabling keypad lock.diff.zip
- For general information on applying the patch, see Using Diffs.
- For unpatched stub applications, see Example stub.

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