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Overview

When we need to have our own email editor or viewer then this example can be used for that purposes. In this example we have provided two main features of the email editor. Inserting email address from phone book, resizing the editor control and making line to the editor. Though S60 email editor shows name only and those email address are embedded under the name. In this example we show the email address directly.

How to insert Email address

Headers Required:

```
#include <badesc.h> //CDesCArrayFlat
#include <rpbkviewresourcefile.h> //RPbkViewResourceFile
#include <cpbkcontactengine.h> //CPbkContactEngine
#include <cpbkmultipleentryfetchdlg.h> //CPbkMultipleEntryFetchDlg
#include <cntdef.h> //TContactItemId
#include <cpbkcontactitem.h> // CPbkContactItem
#include <cpbkemailaddressselect.h> //CPbkEmailAddressSelect
#include <tpbkcontactitemfield.h> //TPbkContactItemField
```

Library required:

```
LIBRARY pbkview.lib //RPbkViewResourceFile ,CPbkMultipleEntryFetchDlg ,CPbkEmailAddressSelect
LIBRARY pbkeng.lib ////CPbkContactEngine , CPbkContactItem ,TPbkContactItemField
```

Capabilities needed:

```
Capability ReadDeviceData ReadUserData WriteDeviceData WriteUserData
```

Source:

```
CDesCArrayFlat* CEmailEditorView::GetEMailFromPhoneBookL( TBool& aSuccess )
{
    aSuccess = FALSE;
    RPbkViewResourceFile PbkResour(FCES&Env);
    if (!iPbkEngine)
    {
        iPbkEngine = CPbkContactEngine::NewL(&iEikonEnv->FsSession());
    }
}
```

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```

    }
    if (!PbkResourceFile.IsOpen())
    {
        PbkResourceFile.OpenL();
    }
    CDesCArrayFlat* addresses = new (ELeave) CDesCArrayFlat( 8 ); // granularity = 8
    CleanupStack::PushL(addresses);

    CPbkMultipleEntryFetchDlg::TParams params;
    params.iContactView = &iPbkEngine->FilteredContactsViewL(CContactDatabase::EMailable);

    CPbkMultipleEntryFetchDlg* fetchDlg = CPbkMultipleEntryFetchDlg::NewL(
        params,
        *iPbkEngine);
    fetchDlg->SetMopParent(this);
    const TInt res(fetchDlg->ExecuteLD());
    fetchDlg = NULL;

    if (res)
    {
        CleanupStack::PushL(params.iMarkedEntries);

        const TInt count(params.iMarkedEntries->Count());

        for (TInt i = 0; i < count; ++i)
        {
            const TContactItemId cid = (*params.iMarkedEntries)[i];

            CPbkContactItem* pbkItem = iPbkEngine->ReadContactLC(cid);
            CPbkEmailAddressesSelect
            ::TParams(CPbkEmailAddressesSelect
            ::EMailAddressSelect
            pbkItem, ETrue);
            SetUseDefaultDialogParent(ETrue);
            CPbkEmailAddressSelect* dlg = new(ELeave) CPbkEmailAddressSelect();

            // Shows "select email address popup" if necessary
            if (dlg->ExecuteLD( pbkParams ))
            {
                const TPbkContactItemField* selectedField =
                    pbkParams. SelectedField();
                if (selectedField)
                {
                    TPtrC address = selectedField->Text();
                    aSuccess = ETrue;
                    addresses ->AppendL(address);
                }
            }
            CleanupStack::PopAndDestroy( pbkItem ); // pbkItem
        }

        CleanupStack::PopAndDestroy( params.iMarkedEntries );
    }

    CleanupStack::Pop(addresses );

    delete iPbkEngine;
    iPbkEngine = NULL;
    PbkResourceFile.Close();

```

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```
    return addresses;  
}
```

How to draw underline in editor

The underline are icons created by AknsUtils::CreateGullIconL() and the background is saved by calling SetSuppressBackgroundDrawing() method. The line can be adjusted as calculating the text height and resizing it.

Capability Used

To access address we need following capability. So self signed would not work in this case. CAPABILITY ReadUserData WriteUserData WriteDeviceData ReadDeviceData

Example Applications

The application is tested with E70, can be found here: [File:EmailEditor.zip](#)

If you want to make your own proprietary email protocol then integrated this example with the following example.

[http://www.forum.nokia.com/info/sw.nokia.com/id/ec735e80-0bbb-491c-b5c2-3fa8df09dfb2/S60_3rd Edition Creation](http://www.forum.nokia.com/info/sw.nokia.com/id/ec735e80-0bbb-491c-b5c2-3fa8df09dfb2/S60_3rd_Edition_Creation)