How to create a simple listbox in Symbian C++

Here is the code snippet to create a simple listbox:

In mmp file:

```
LIBRARY        avkon.lib
LIBRARY        eikcoctl.lib
LIBRARY        eikctl.lib
LIBRARY        bafl.lib
```

In the header file:

```
// FORWARD DECLARATION
class CEikColumnListBox;
// ...

class CMyAppContainer : public CCoeControl
    {
    // ...

    public: // New functions

        /**
         * Create the listbox.
         */
        void CreateListBoxL();

        /**
         * Initialize the listbox.
         */
        void InitListBoxL();

    private: // Data members

        /**
         * The listbox object
         * Owned by CMyAppContainer.
         */
        CEikColumnListBox* iListBox;
    };
```

In the cpp file:

```
#include <eikclb.h>   // for CEikColumnListBox
#include <aknlists.h> // for CAknSingleStyleListBox
#define KGranularityOfArray 10;
// ----------------------------------------------------------------------------
// CMyAppContainer::CreateListBoxL()
// Create the listbox.
// ----------------------------------------------------------------------------
//
void CMyAppContainer::CreateListBoxL()
    {
    //Delete the list box if already exists.
    if ( iListBox )
        {
        delete iListBox;
        iListBox = NULL;
        }

    // listbox instance
    iListBox = new (ELeave) CAknSingleStyleListBox();
    iListBox->ConstructL(this);
    iListBox->SetContainerWindowL(*this);

    // add scrollbars to listbox
    iListBox->CreateScrollBarFrameL(ETrue);
    iListBox->ScrollBarFrame()->SetScrollBarVisibilityL(
        CEikScrollBarFrame::EOn, CEikScrollBarFrame::EAuto );

    const TPoint aPoint(0,0);
    const TSize aSize(180,150);

    //most important line , else the list box simply disappears
    iListBox->SetExtent(aPoint,aSize);

    //Fill list box with the data
    InitListBoxL();

    iListBox->ActivateL();
    iListBox->DrawNow();
    }


// ----------------------------------------------------------------------------
// CMyAppContainer::InitListBoxL()
// Initialize the listbox.
// ----------------------------------------------------------------------------
//
void CMyAppContainer::InitListBoxL()
    {
    // construct listbox item array
    CDesCArray *itemList = new (ELeave) CDesCArrayFlat(KGranularityOfArray);

    itemList->AppendL(_L("\tFirst item\t\t"));
    itemList->AppendL(_L("\tSecond item\t\t"));

    // set items and ownership
    iListBox->Model()->SetItemTextArray(itemList);
    iListBox->Model()->SetOwnershipType(ELbmOwnsItemArray);

    iListBox->SetCurrentItemIndex(0);
```


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```
    iListBox->SetFocus(ETrue);
    iListBox->HandleItemAdditionL();
    }
```

Other Related Links

- List box example
- Querying selection with list
- TSS000647 - Applying actions on list box items
- MDesCArray
- How to add Marquee effect in ListBox
- How to add ScrollBar in ListBox
- How to add additional data to the list box?
- Listbox creation using resource
- How to scroll a customized list box without using a scroll bar

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