Archived:Using CFindItemEngine to parse items from text

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Overview

This code snippet demonstrates how to use `CFindItemEngine` to parse different kinds of items, such as phone numbers, e-mail addresses, or URI addresses, from a given text. The type of the item is given to `CFindItemEngine` as a parameter when the object is constructed and also several types of items can be searched:

```
// Parse e-mail addresses from text
CFindItemEngine* searchEngine = CFindItemEngine::NewL(text,
        CFindItemEngine::EFindItemSearchMailAddressBin);
```

```
// Parse URLs from text
CFindItemEngine* searchEngine = CFindItemEngine::NewL(text,
        CFindItemEngine::EFindItemSearchURLBin);
```

```
// Parse URLs and phone numbers from text
CFindItemEngine* searchEngine = CFindItemEngine::NewL(text,
        (CFindItemEngine::TFindItemSearchCase)
        (CFindItemEngine::EFindItemSearchURLBin |
        CFindItemEngine::EFindItemSearchPhoneNumberBin));
```

This snippet can be self-signed.

MMP file

The following libraries are required:

```
LIBRARY CommonEngine.lib
```

Source file

```
TBuf<256> text = _L("E-mail: foo.bar@invalid.com, Tel: 0700 468833, Www: http://www.testsite.net/.");

// Create an instance of CFindItemEngine to find every e-mail address from the text above
CFindItemEngine* searchEngine = CFindItemEngine::NewL(text,
        CFindItemEngine::EFindItemSearchMailAddressBin);

// Retrieve the number of items
TInt count = searchEngine->ItemCount();

// Get currently selected item to the item variable
CFindItemEngine::SFoundItem item;
searchEngine->Item(item);

// Display every item
for (TInt i = 0; i < count; i++)
    {
    TPtrC result = text.Mid(item.iStartPos, item.iLength);
    CAknInformationNote* note = new (ELeave)CAknInformationNote(ETrue);
    note->ExecuteLD(result);

    // Get the next item to the item variable
    searchEngine->NextItem(item);
    }

delete searchEngine;
```

Postconditions

Every e-mail address from the specific text is displayed on the screen.

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