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<b>Category</b>	Symbian C++	<b>Subcategory</b>	UI

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## Overview

This article explains how to retrieve the content of RichTextEditor at the tapped position.

## Description

As S60 5th Edition devices are touch sensitive, the pointer events can be captured using `HandlePointerEventL()`. This is also used to handle such events as pointer down/up and dragging. Thus a class derived from `CCoeControl` can implement the `HandlePointerEventL()` function for customising the handling of pointer events.

In order to get the contents of the Editor, first we need to get the co-ordinates of the tapped event and then identify the document position of the nearest character edge to the window coordinates specified. This helps in retrieving the content (entire word) nearest to the tapped position.

## Solution

### Headers Required

```
#include <FRMTVIEW.H>
#include <TXTRICH.H>
```

### Libraries

```
LIBRARY    etext.lib
LIBRARY    form.lib
```

The following code snippet enables the retrieving of the contents of the editor at the tapped position. This has to be used in `HandlePointerEventL()`.

```
TPoint tapPoint( aPointerEvent.iPosition );
//iEditor is a CEikRichTextEditor object
CTextView* iTextView = iEditor->TextView();
//Get the current document position based on the point where the stylus is tapped.
TInt docPos(iTextView->XyPosToDocPosL( tapPoint ) );
TInt start( 0 );
TInt length( 0 );
//By passing the current position of the document you can get the word information
//(the start position and the length)
iEditor->RichText()->GetWordInfo(docPos,start,length, EFalse, EFalse);
if ( aPointerEvent.iType == TPointerEvent::EButton1Down )
{
    // Based on the start position and the length get the word information.
    // using the method Mid(TInt aPos, TInt aLength) const;
    // the word at the tapped position can also be modified
}
```

The above code snippet can also be used for highlighted items like URLs, phone numbers, and HTTP addresses. The Item Finder API can be used for highlighting URLs, phone numbers, and HTTP addresses.

In order to identify whether the stylus is tapped on the tag or not, the method `CursorOverTag()` can be used. The method returns a boolean value besides giving the start position and the length of the tag.

```
TBool iFlag = iEditor->RichText()->CursorOverTag( docPos, parser, start, length );
```

## Related Links

For information on the Item Finder API, see the following link: [\[1\]](#)