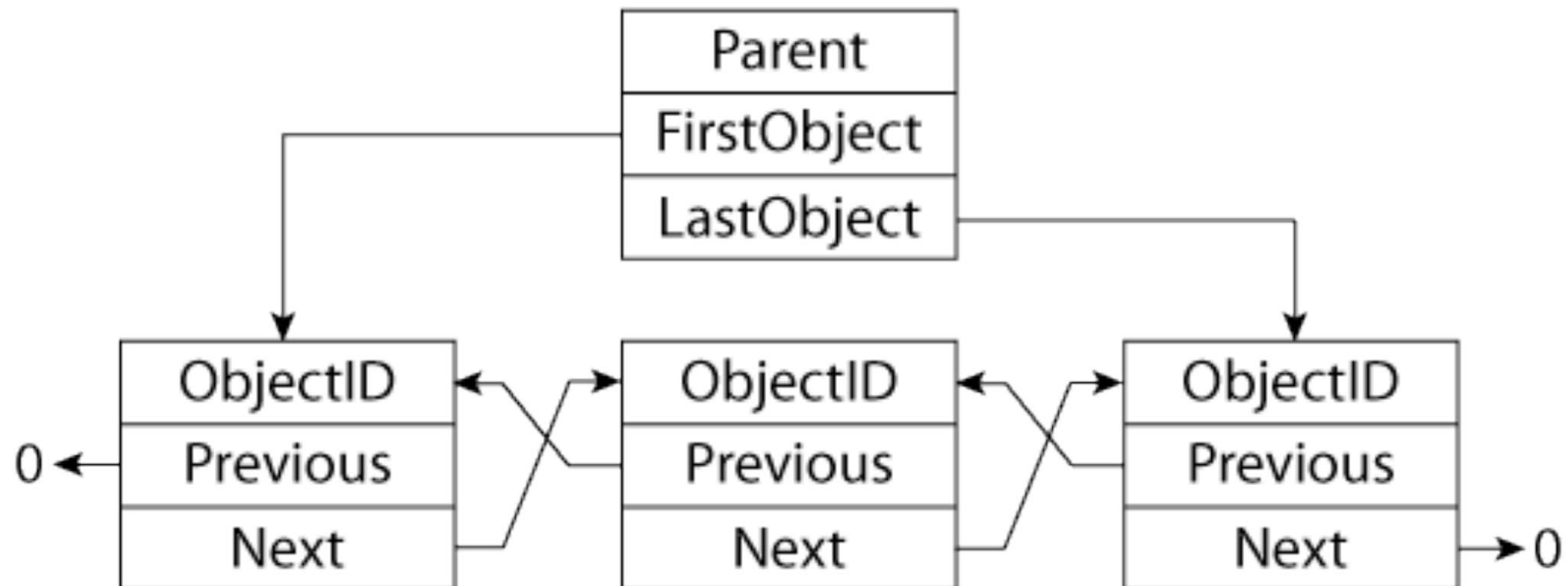


# Linked lists

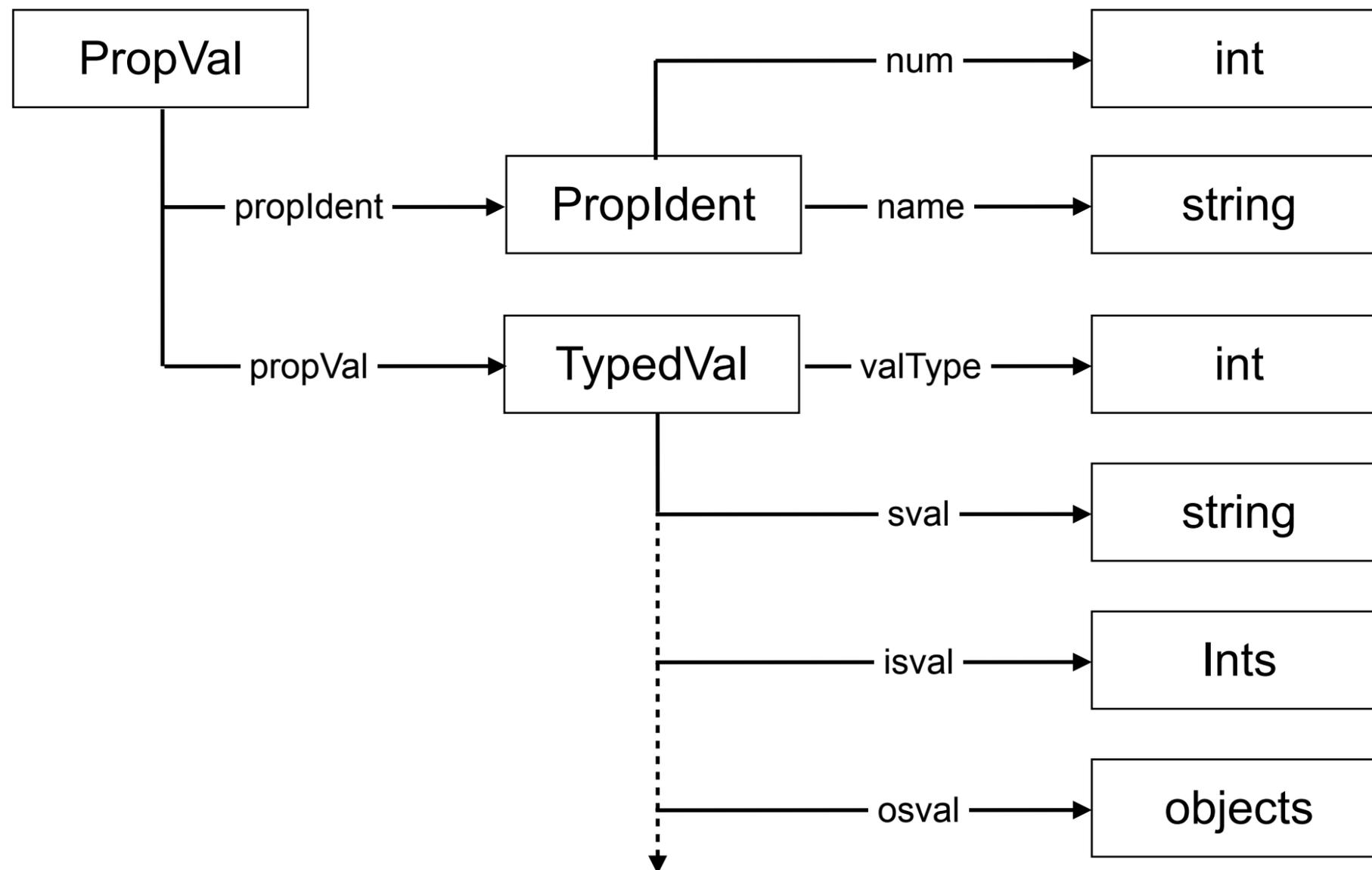


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FM uses a LOT of linked lists. Almost every type of object is organized in this way. A linked list is a collection of objects, each of which points forward and back to its nearest neighbours. At the start and end of the list, pointers lead to an invalid object. The parent of the list has at least one pointer – to the first object in the linked list, and sometimes also shows a pointer to the last one.



# PropVals array



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Properties may have all kinds of types, and objects may have more than 100 properties. Retrieving the property you need from the array is done by passing through the array and checking for the right propldent.

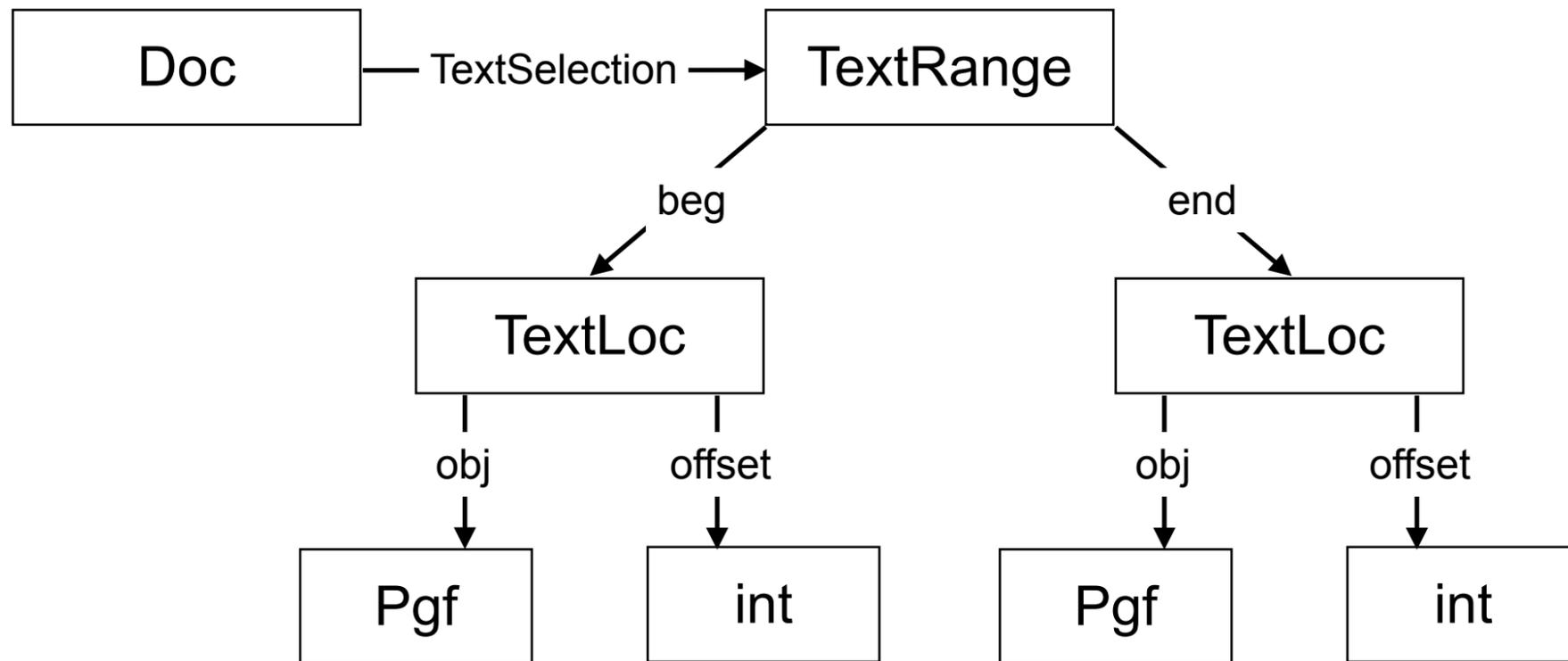
# Finding your property

```
1 var oDoc = app.ActiveDoc;
2 var oFlow = oDoc.MainFlowInDoc;
3 var oFrame = oFlow.FirstTextFrameInFlow;
4 var oPgf = oFrame.FirstPgf;
5
6 var oFmt = oDoc.GetNamedPgfFmt ( "Heading2" );
7 var oaMyProps = oFmt.GetProps ();
8
9 var i = GetPropIndex ( oaMyProps, Constants.FP_AutoNumString );
10
```

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Use the PropIndex function and the symbolic names (in the Constants object) to find the property you are looking for. NOTE: the Constants section in the FM 10 Scripting Guide is not completely correct. Distrust any Constants elements that do not have a FP\_ FF\_ FV\_ FS\_ FT\_ or similar prefix. Using an undefined symbolic name returns an error code. Always test the return value before using it on your PropVals array.

# Knowing where you are



## Lorem Ipsum ¶

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla tristique consequat dui, quis eleifend augue porttitor sit amet. Pellentesque in nunc consequat, eleifend libero vel, ullamcorper neque. Sed suscipit odio et sem bibendum facilisis. Mauris id lacus nec ipsum imperdiet interdum eget a mi. ¶

Quisque eu sollicitudin nisi, vitae porta lacus. ¶

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Every open document has a text selection, even if no actual text is selected. In that case, both “beg” and “end” **TextLoc** objects point to the same location, which is where the text cursor is. Note that the offset is not equal to the number of characters from the start of the paragraph, as there may be anchors, markers, element boundaries and other control characters that take up (hidden) space.