

Lecture 1: 使用檔名：myXmlCSS_0061.xml & myXmlDSO_0090.HTML
(Using Scripts with the DSO)

一、使用 myXmlCss_0061.xml 檔。

(show the data file “myXmlCss_0061.xml”)

二、再 edit 一個 myXmlDSO_0090.html 檔。

```
<!-- myFile: myXmlHtml_0090.Html -->
```

```
<HTML>
```

```
<Head>
```

```
<Title> 以 HTML 展示 XML 的資料</Title>
```

```
<Script Language="JavaScript">
```

```
function moveUp() {  
    myBookStore.recordset.movePrevious();  
    if (myBookStore.recordset.BOF)  
        myBookStore.recordset.moveNext();  
}
```

```
function moveDown() {  
    myBookStore.recordset.moveNext();  
    if (myBookStore.recordset.EOF)  
        myBookStore.recordset.movePrevious();  
}
```

```
</Script>
```

```
</Head>
```

```
<Body>
```

```
<XML ID="myBookStore" SRC="myXmlCss_0061.xml"></XML>
```

```
<H2> my Book Store </H2>
```

```
<input type="button" value="PreviousPage &lt;" onclick="moveUp();" >
```

```
<input type="button" value="NextPage &gt;" onclick="moveDown();" > <br><br>
```

```
<Span>TITLE : </Span>
```

```
<Span DATASRC="#myBookStore" DATAFLD="title"></Span> <br>
```

.....

```
<Span>WebAddress: </Span>
```

```
<Span DATASRC="#myBookStore" DATAFLD="webaddress"> </Span>
```

```
</Body>
```

```
</HTML>
```

執行結果(Demo)：



- 說明一、The more complex script is adapted in this example to use the DSO with the associated XML document's record set. In the HTML file, the script uses methods and properties of the DSO recordset object to navigate the XML file .
- 說明二、Single-record data binding refers to binding an HTML element that isn't a table and isn't included in a bound table. The HTML element- for example, a SPAN, BUTTON- is bound to an individual XML field (not to a record).
- 說明三、To use single-record data binding , the XML document must be organized as a simple record set. (何謂 simple record set (是一個 drawback) ? See “myXmlCss_0061.xml” 檔)
- 說明四、When single-record data binding, the bound HTML elements can display only one record at a time. The record that they display is known as the current record. Initially, the current record is the first record in the document.
- 說明五、The DSO associated with the XML document provides a set of methods that you can call to navigate through the records. These methods belong to the recordset member object of the DSO, and are listed in the following table.

DSO recordset method	Changes the current record to	example
<i>moveFirst</i>	The first record in the document	<code>myBookStore.recordset.moveFirst()</code>
<i>movePrevious</i>	The previous record	<code>myBookStore.recordset.movePrevious()</code>
<i>moveNext</i>	The next record	<code>myBookStore.recordset.moveNext()</code>
<i>moveLast</i>	The last record in the document	<code>myBookStore.recordset.moveLast()</code>
<i>move</i>	The record with the specified no.	<code>myBookStore.recordset.move(3)</code> (Moves to the 4 th record. Records are numbered starting with zero.)

說明六、The recordset object provides the **BOF** property, which is true if the record set is at beginning- of- file, and the **EOF** property, which is true if the record set is at end- of- file.

說明七、 Updating the Cached XML Data

DSO recordset method	Effect	example
<i>addNew</i>	Adds a new record to the cached record set	<code>myBookStore.recordset.addNew()</code>
<i>delete</i>	Removes the current record from the cached record set	<code>myBookStore.recordset.delete()</code>
<i>cancelUpdate</i>	Reverses any changes made to the fields of the current record	<code>myBookStore.recordset.cancelUpdate()</code>

範例一、([myXmlDSO_0091.html](#) & [myXmlCSS_0081.xml](#))。

(Demo)

說明八、非 simple record set 的資料(xml)結構造成 HTML 抓不到資料。

範例二、([myXmlDSO_0092.html](#) & [myXmlCss_0092.xml](#))。

(Demo)

Lecture 3: 使用檔名：myXmlDSO_0110.HTML & myXmlCSS_0092.xml

(其他的 record set 物件的屬性)

Property	
absoluteposition	目前 XML 元素的索引編號
recordcount	有多少個 XML 元素

一、修改 myXmlDSO_0092.HTML 成爲 myXmlDSO_0110.HTML 檔。

(增加兩個 JavaScript 的函數到 <JavaScript> 中)

```
function noTotal(){
    var intNum;
    intNum=myBookStore.recordset.recordcount;
    window.alert(intNum);
}

function noNow(){
    var intNow;
    intNow=myBookStore.recordset.absoluteposition;
    window.alert(intNow);
}
```

(增加兩個 Button 元件到 <Body> 中)

```
<input type="button" value="總資料筆數" onclick="noTotal()">
<input type="button" value="目前資料編號" onclick="noNow()">
```

(Demo: myXmlDSO_0110.HTML)

Lecture 4: 使用檔名：myXmlDSO_0120.HTML & myXmlCSS_0092.xml

(直接由 RecordSet 物件及 XML 的 Tag name 存取其 Tag element 的資料內容)

一、修改 myXmlDSO_0110.HTML 成爲 myXmlDSO_0120.HTML 檔。

(增加一個 JavaScript 的函數到 <JavaScript> 中)

```
function authorData(){  
    var myName;  
    myName=myBookStore.recordset("author").value;  
    window.alert(myName);  
}
```

(增加一個 Button 元件到 <Body> 中)

```
<input type="button" value="作者資料" onclick="authorData()">
```

(Demo: myXmlDSO_0120.html)

(myXmlCss_0080.xml 會有下列錯誤，若採用 myXmlCss_0092.xml 則不會有錯)

(利用 recordset 元件的 value 屬性，可以用來存取 hierarchy record 的資料)

二、檢視 myXmlCSS_0080.xml 檔。

```
<?xml version="1.0" encoding="Big5" ?>  
<!-- my Xml file myXmlCSS_0080.xml -->
```

```
<inventory>  
  <book>  
    <title>通訊原理與應用</title>  
    <author>  
      <lastName>藍</lastName>  
      <firstName>國棟</firstName>  
    </author>  
    <page>288 頁</page>  
    <price>NT$ 350</price>  
    <num>0001 </num>  
    <publish>全華圖書公司</publish>  
  </book>
```



一個 Hierarchy Record

.....

無法用下列的 tag 抓到 hierarchy record 的資料。

```
<Span DATASRC="#myBookStore" DATAFLD="author"></Span> <br>
```

硬是用這個 JavaScript 會得到一個 object 的提示(value 非 string)

```
function authorData(){  
    var myName;  
    myName=myBookStore.recordset("author").value;  
    window.alert(myName);  
}
```

結果：



二、修改 myXmlDSO_0120.HTML 成爲 myXmlDSO_0121.HTML 檔。

```
<Script Language="JavaScript">
```

.....

```
function authorData(){  
    var nameObj;  
    var myName;  
    var myFirstName;
```

```
    nameObj=myBookStore.recordset;  
    myName=nameObj("author").value;  
    myFirstName=myName("firstName").value;
```

```
    window.alert(myFirstName);
```

```
}
```

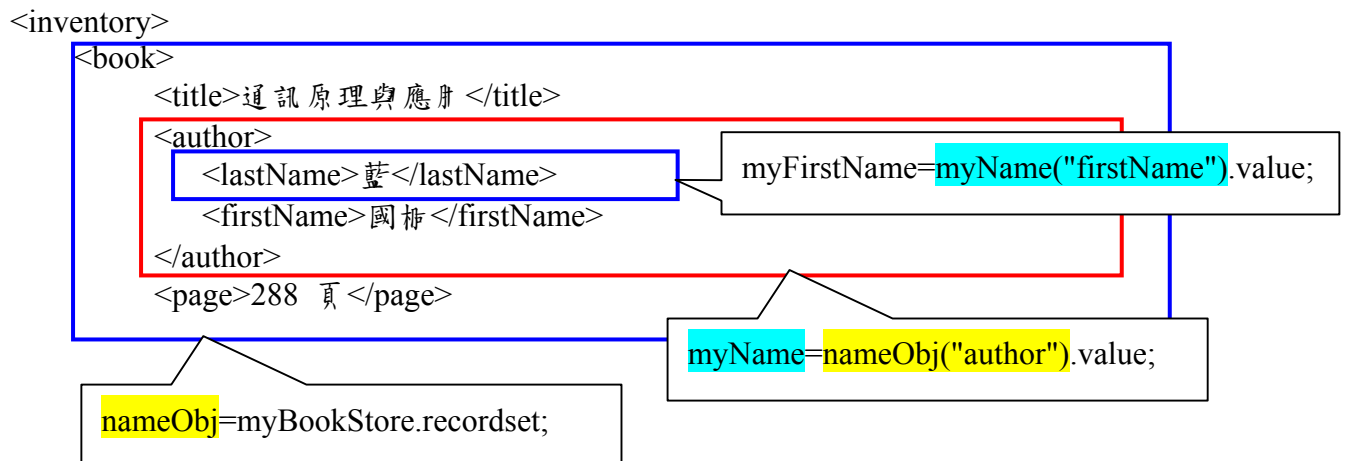
```
</Script>
```

.....

```
<input type="button" value="作者 資料( 名字 )" onclick="authorData()>
```

.....

物件分析：



(Demo: myXmlDSO_0121.html)

注意：在這個原始檔中，<author> 的資料因為 hierarchy record 的關係，無法顯示。