



Displaying XML Using a Hybrid of Technologies

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The Exercise

In an earlier exercise, you created a simple HTML home page. In this exercise, you will repeat the process but this time you will use XML to mark up your personal data and then you will use Cascading Style Sheets (CSS) to apply formatting characteristics to the data. Since there are a few situations where the specification of XML is incomplete (and support for XML features is even more incomplete), you can use the native HTML awareness of IE5 to “fill in the gaps.”

Setting Up

Make a new directory for this exercise. Call this directory *XML*: For example:

```
C:\> mkdir XML
C:\> cd XML
```

All the files that you subsequently create as you do this exercise should be contained in this directory.

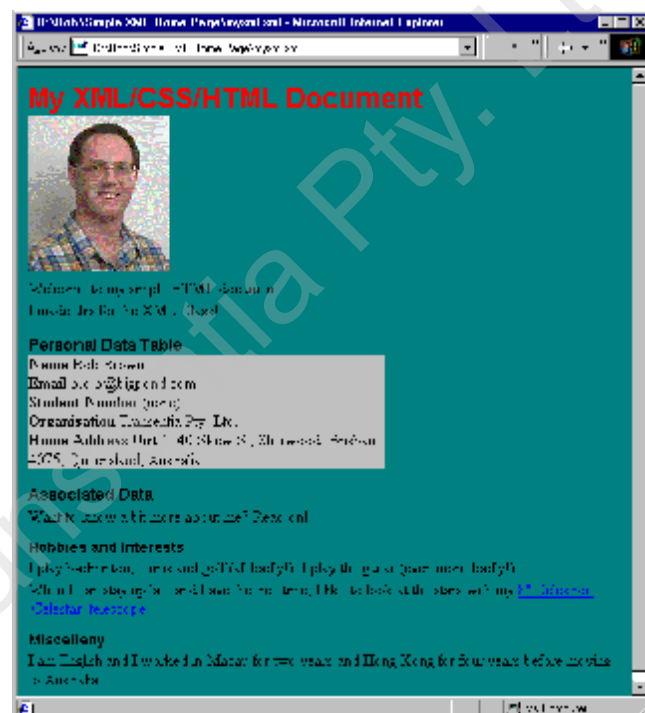
Reference

A simple reference for CSS is at <http://www.w3.org/MarkUp/Guide/Style.html>.

Your Exercise

As before, this is your exercise!

To get you started, and to give you a guide, here is my version:



You can use the source as a guide for your own work:

```
<?xml version="1.0"?>
<?xml-stylesheet type="text/css" href="myxml.css"?>
<body>
  <head class="big">My XML/CSS/HTML Document</head>
```



```
<!-- this should be illegal, but its OK in IE5... -->
<html:IMG xmlns:html="htmluri" SRC="Bob.GIF" WIDTH="140" HEIGHT="156"/>

<paragraph>Welcome to my simple HTML document.</paragraph>

<paragraph>I made this for the XML Class!</paragraph>

<head class="mid">Personal Data Table</head>

<table>
  <row>
    <left>Name</left>
    <td>Bob Brown</td>
  </row>
  <row>
    <left>Email</left>
    <right>b.c.b@bigpond.com</right>
  </row>
  <row>
    <left>Student Number</left>
    <right>(none)</right>
  </row>
  <row>
    <left>Organisation</left>
    <right>Transentia Pty. Ltd.</right>
  </row>
  <row>
    <left>Home Address</left>
    <right>Unit 1, 40 Skew St, Sherwood,
      Brisbane 4075, Queensland, Australia.</right>
  </row>
</table>

<head class="mid">Associated Data</head>

<paragraph>Want to know a bit more about me? Read on!</paragraph>

<head class="small">Hobbies and Interests</head>

<paragraph>I play badminton, tennis and golf (all badly!). I play the
guitar (even more badly!).</paragraph>

<paragraph>When I can stay up late and have the free time, I like to look
at the stars with my <html:A xmlns:html="htmluri"
HREF="http://www.celestron.com/celestar">8"
Celestron 'Celestar' telescope</html:A>.</paragraph>

<head class="small">Miscelleny</head>

<paragraph>I am English and I worked in Macau for two years and Hong Kong
for four years before moving to Australia.</paragraph>
</body>
```

Here is the associated style sheet:

```
{ background-color: #008080 }
paragraph { padding-top: 2pt;
             display: block }
head.big { display: block;
            font-weight: bold;
            font-family: sans-serif;
            font-size: 20pt;
            color: red }
head.mid { display: block;
            padding-top: 12pt;
            font-weight: bold;
            font-family: sans-serif;
            font-size: 16 }
head.small { display: block;
              padding-top: 10pt;
              font-weight: bold;
              font-family: sans-serif;
              font-size: 14 }
table { width: 60%; background-color: silver }
table left { font-weight: bold }
link { color: blue }
row { display: block }
```