

XML Introduction / Intermediate – 2 days	XML
<p>Course Objectives</p> <p>XML is a meta-language for describing markup languages. XML offers the capability to define tags and the structural relationships between them and omits the need for predefined tags. This eliminates the unnecessary restrictions faced when coding in HTML - hence XML's fast growing popularity.</p> <p>This practical hands-on course is designed to give HTML coders a comprehensive introduction to XML.</p> <p>Prerequisites</p> <p>It is recommended that students have experience of using HTML, or have attended Acuity's Introduction to HTML course.</p> <p>Exercises</p> <p>This course is instructor led, involving the utilisation of examples and exercises in a workshop environment.</p> <p>Introduction</p> <ul style="list-style-type: none"> • XML, XHTML and HTML • Why XML? <p>Basic Rules Of Xml</p> <ul style="list-style-type: none"> • Elements, Attributes, and Values • XML declaration • The Root Element • Adding comments • Default entities • Displaying tags as text <p>Creating A Data Type Definition (DTD)</p> <ul style="list-style-type: none"> • Internal DTD • External DTD • Personal external DTD • Public external DTD 	<p>Defining Elements and Attributes in a DTD</p> <ul style="list-style-type: none"> • Defining elements • Defining an element to contain: <ul style="list-style-type: none"> - only text, one child or a sequence • Defining choices • Simple attributes • Attributes and unique values <p>Entities and Notation in DTDs</p> <ul style="list-style-type: none"> • Internal general entities • Shortcuts for text in external files • External parameter entities • Entities for unparsed content • Embedding unparsed content <p>Cascading Style Sheets and XML</p> <ul style="list-style-type: none"> • Setting up CSS • Style sheet syntax • External style sheets • Style sheets for an HTML document • Style sheets for an XML document • Layout with CSS • Defining elements as block-level or inline • Hiding elements completely • Offsetting elements in the natural flow <p>XML Schema</p> <ul style="list-style-type: none"> • Simple and complex types • Local and global declarations • Simple schema • Simple schema's location • Annotating schemas <p>Defining Simple Types</p> <ul style="list-style-type: none"> • Date and time types • Number types • Deriving custom simple types • Anonymous custom types • Acceptable values • Creating list types • Predefining an element's content <p>Defining Complex Types</p> <ul style="list-style-type: none"> • Creating a set of choices • Ordering elements • Defining named groups • Referencing a named group <p>Using Namespaces in XML</p> <ul style="list-style-type: none"> • Namespaces, DTDs, and valid documents • Namespaces, Schemas, and validation