Australian Government

ICTWEB518 Build a document using extensible markup language

Release: 1

ICTWEB518 Build a document using extensible markup language

Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 6.0.

Application

This unit describes the skills and knowledge required to design and build an extensible markup language (XML) document.

It applies to individuals who work in development roles and have highly developed technical skills in using XML documents.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Unit Sector

Web

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
1. Establish and analyse document specifications	1.1 Identify and confirm applicable legislative and organisational standards and procedures applicable to XML document development
	1.2 Determine and document purpose, expectations and functionality of an XML document
	1.3 Plan, design and build XML documentation, allowing for iterative development according to task requirements
	1.4 Determine software and tools required to design an XML document
	1.5 Identify and determine applicable design methodologies including the use of software engineering life cycle

ELEMENT	PERFORMANCE CRITERIA
2. Design and develop document	2.1 Select the document type definition (DTD) according to document specifications
	2.2 Define required entities, elements and their attributes specifications
	2.3 Produce XML document according to organisational requirements
	2.4 Identify the DTD, required entities, elements and their attributes, including associated graphics and sounds
3. Test and finalise document	3.1 Test document offline and confirm validity of document according to document specifications
	3.2 Test document online with representative audiences, where applicable
	3.3 Confirm document validity and content on various browsers and devices
	3.4 Analyse test results and update the XML documentation as required

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

SKILL	DESCRIPTION
Reading	• Analyses specifications and other documentation from a variety of sources, and consolidates information when determining requirements
Planning and organising	• Accepts responsibility for planning and sequencing complex tasks and workload • Negotiates key aspects with others, including required capabilities, efficiencies and effectiveness
Problem solving	• Applies systematic and analytical decision-making processes for complex situations and issues
Self-management	• Takes responsibility for following policies, procedures and industry standards
Technology	• Uses and investigates new digital technologies and applications • Manages and manipulates data, and communicates with others in a secure and stable digital environment

Unit Mapping Information

Supersedes and is equivalent to ICTWEB504 Build a document using extensible markup language.

Links

Companion Volume Implementation Guide is found on VETNet - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2