



Australian Government

ICTWEB452 Create a markup language document

Release: 1

ICTWEB452 Create a markup language document

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 use a text editor to design, create and save web pages to a given specification.

The unit applies to individuals working as web designers and developers, who generate a framework for internet information using a markup language according to client briefs.

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
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Analyse specifications and requirements	1.1 Identify uses and audience of required document 1.2 Determine required mark-up language according to document's uses and audience 1.3 Identify and confirm required documentation according to organisational procedures 1.4 Define document structure according to organisational procedures and document requirements
2. Create document structure	2.1 Create and assign basic elements of document considering accessibility and document requirements 2.2 Markup and define sections of document and describe structure and layout according to document requirements 2.3 Confirm styling of web page meets document specifications and

ELEMENT	PERFORMANCE CRITERIA
	requirements
3. Incorporate web page components	3.1 Identify and evaluate web page components required according to document requirements 3.2 Incorporate required web page components into document according to organisational procedures and guidelines
4. Validate documents	4.1 Validate markup language document against specifications and record outcomes 4.2 Validate compatibility of markup language document in different browsers and devices and record outcomes 4.3 Identify gaps between specifications and requirements and markup language document and apply changes as required, according to organisational procedures 4.4 Confirm requirements are met and finalise documentation according to organisational procedures 4.5 Obtain sign-off from required personnel

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	Identifies, analyses and evaluates instructions, technical information and industry guidelines and determines client needs and business requirements
Writing	- Produces documentation for a specific audience and conveys explicit information using clear and detailed language - Writes, edits and proofreads documents and confirms clarity of meaning, accuracy and consistency of information
Navigate the world of work	Takes personal responsibility for following explicit and implicit policies, procedures and industry standard practices
Self-management	Takes responsibility for planning, sequencing and prioritising tasks and own workload
Problem-solving	- Makes routine decisions and implements standard procedures for routine tasks, using formal decision-making processes for more complex and non-routine situations - Addresses less predictable problems and initiates standard procedures in response to these problems, applying problem-solving processes in determining a solution

SKILL	DESCRIPTION
Technology	• Uses familiar digital technologies and systems to access information, search and enter, data and code, present information and communicate with others, cognisant of data security and safety

Unit Mapping Information

Supersedes and is equivalent to ICTWEB429 Create a markup language document to specification.

Links

Companion Volume Implementation Guide is found on VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2>

Assessment Requirements for ICTWEB452 Create a markup language document

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Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- design, create and save a document using a markup language using a text editor
- In the course of the above, the candidate must:
- define document structure incorporate elements as required
- generate markup language document compatible with multiple web browsers and devices
- confirm document requirements are met and records all outcomes
- validate markup document against standards set by the World Wide Web Consortium (W3C)
- obtain sign-off.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- the use of markup languages including:
 - hypertext markup language (HTML)
 - virtual reality modelling language (VRML)
 - extensible markup language (XML)
- standards set by the World Wide Web Consortium (W3C) applicable to markup language
- the range of available web browsers and their accessibility
- issues applicable to accessibility
- documentation techniques, web page components and organisational procedures and guidelines relevant to creating a markup language document to specification
- document validation procedures
- browser and device compatibility.

Assessment Conditions

Skills in this unit must be demonstrated in a workplace or simulated environment where the conditions are typical of those in a working environment in this industry.

This includes access to:

- an organisational style guide or policy
- user requirements
- industry standard markup languages
- word processing software
- a range of browsers and devices
- the internet
- required hardware, software and its components.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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