



Australian Government

ICTWEB418 Use development software and ICT tools to build a basic website

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 1.0.

Application

This unit describes the skills and knowledge required to build a basic website, consistent with the design, technical requirements and expectations, of a client's business, using current industry software and tools.

It applies to individuals working as web developers who use a wide range of knowledge and skills across a range of general information and communications technology (ICT) environments, and support small to medium enterprises (SMEs) that require broader, rather than more specialised, ICT support.

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. Select and analyse the website structure and development tools	1.1 Analyse the business specification, and select the appropriate software 1.2 Identify the website's technical needs, and select the appropriate software tools 1.3 Identify the site's structure and navigation flow, and demonstrate an understanding of functionality 1.4 Review the design documentation, and integrate the design

ELEMENT	PERFORMANCE CRITERIA
	work with the site's structure and navigation, according to web development standards
2. Begin site construction	2.1 Take action to ensure user input during website construction 2.2 Validate the existing information and basic content, when incorporating data on the website 2.3 Apply consistent design specifications to all aspects of the website 2.4 Gather feedback from the user on web design, content, accessibility and structure, using the appropriate feedback mechanism
3. Complete and validate the website construction and content	3.1 Undertake an evaluation of the website, against the technical requirements and the design specification 3.2 Test each function, and, process of the website 3.3 Conduct navigation tests and hypertext markup language (HTML) compliance with website standards 3.4 Stress test the website to meet the design criteria and user load 3.5 Record testing results to ensure that the website meets user requirements 3.6 Obtain the sign-off and approval of the user

Foundation Skills

This section describes language, literacy, numeracy and employment skills incorporated in the performance criteria that are required for competent performance.

Skill	Performance Criteria	Description
Reading	1.1, 1.2, 1.4, 3.1	Critically analyses complex documentation from a variety of sources, and consolidates information relating to specific criteria to determine requirements
Writing	2.1, 2.4, 3.5, 3.6	Prepares and produces dynamic material for a specific audience, using clear and detailed language in order to convey explicit information, requirements and recommendations
Oral Communication	2.1, 2.4, 3.6	Uses collaborative and inclusive techniques, including active listening and questioning, and reading of verbal and non-verbal signals, to convey and clarify

		information, and to confirm understanding
Navigate the world of work	1.4, 3.3	- Accepts responsibility and ownership for the task, and makes decisions on completion parameters, and the need for coordination with others - Takes personal responsibility for following explicit and implicit policies, procedures and standards
Interact with others	2.1, 2.4, 3.5, 3.6	- Selects and uses appropriate conventions and protocols, when communicating with clients in a range of work contexts - Uses a range of strategies, to establish a sense of connection, and to build rapport with clients and co-workers - Elicits and provides feedback to others
Get the work done	1.1-1.4, 2.2, 2.3, 3.1-3.4	- Takes responsibility for planning, sequencing, and prioritising tasks and own workload, for efficiency and effective outcomes - 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 - 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

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTWEB418 Use development software and ICT tools to build a basic website	ICAWEB418A Use development software and IT tools to build a basic website	Updated to meet Standards for Training Packages. Minor	Equivalent unit

Code and title current version	Code and title previous version	Comments	Equivalence status
		change to title.	

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for ICTWEB418 Use development software and ICT tools to build a basic website

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Performance Evidence

Evidence of the ability to:

- conduct an assessment of, and document the specifications relating to, the client's website needs
- build a basic website according to client specifications
- validate the final web design against the client's requirements
- confirm and obtain client sign off.

Note: If a specific volume or frequency is not stated, then evidence must be provided at least once.

Knowledge Evidence

To complete the unit requirements safely and effectively, the individual must:

- outline a basic knowledge of:
 - design principles
 - the issues around accessibility and equity principles, when building for diverse users
- identify and describe the software, and tools, that are used in website development
- outline the general principles of the standard generalised markup language (SGML), and associated documentation standards
- outline the principles of website design
- describe the technical attributes specific to the web
- describe and apply, the types of code used in the generation of web sites.

Assessment Conditions

Gather evidence to demonstrate consistent performance in conditions that are safe and replicate the workplace. Noise levels, production flow, interruptions and time variances must be typical of those experienced in the website technologies field of work, and include access to:

- basic website specifications and guidelines
- the website development software and tools
- an internet server
- organisational and industry standards.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

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