



Australian Government

ICTWEB416 Customise content management system

Release: 1

ICTWEB416 Customise content management system

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 create and integrate, a website into an open-source content management system.

It applies to individuals working as web developers who apply a wide range of knowledge and skills, across ICT, to 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. Analyse the specifications and requirements	1.1 Determine the required functionality of the website 1.2 Determine the appropriate server-side language that will be used to produce the website 1.3 Determine the content structure and navigation of the website 1.4 Determine the pre-existing restraints that need to be considered when developing a website solution
2. Research the requirements	2.1 Research the appropriate solutions, based on website requirements, including the programming language, content management system (CMS), licensing structure and hosting

ELEMENT	PERFORMANCE CRITERIA
	structure 2.2 Research the techniques, plug-ins and additions to the existing content management system, in order to allow the solution to fulfil the needs determined while analysing website requirements
3. Create a content-management system powered website	3.1 Install and configure the chosen CMS 3.2 Insert and manage, the website content 3.3 Install and implement the appropriate techniques, and plug-ins
4. Validate and evaluate the final website	4.1 Validate the final website markup against current website standards 4.2 Validate the content management system performance in different browsers, checking compatibility, and core content management system functionality

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
Learning	1.1, 1.2, 1.4, 2.1, 2.2	Researches, analyses and validates information to determine the best solution for client requirements, and builds on prior knowledge to extend understanding
Reading	1.1, 1.2, 2.1, 2.2	Identifies, analyses and evaluates industry standards, workplace instructions, online and other technical documentation, to determine all business requirements
Writing	3.2	Develops clear and well-organised material for a specific audience, using precise language to convey explicit information requirements, and recommendations
Oral Communication	1.1, 1.2	Clearly articulates requirements, using language appropriate to the audience and participates in a verbal exchange of ideas/solutions
Navigate the world of work	2.1	Takes personal responsibility for following explicit and implicit requirements for licencing policies, procedures and regulatory requirements
Get the work	1.1-1.4, 2.1-2.2,	Takes responsibility for planning, sequencing and prioritising tasks and own workload, for efficiency and

done	3.1-3.3, 4.1, 4.2	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 solutions • 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
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Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTWEB416 Customise content management system	ICAWEB416A Customise content management system	Updated to meet Standards for Training Packages	Equivalent unit

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 ICTWEB416 Customise content management system

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Performance Evidence

Evidence of the ability to:

- research and evaluate client requirements
- create a content management system (CMS) powered website using an open-source solution
- validate the CMS against the standards set by the World Wide Web Consortium (W3C).

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:

- define “content management system” and describe its purpose
- explain markup language and its associated standards
- outline server-side language and security techniques
- discuss web accessibility
- evaluate a content management system (front and backend) in commonly used browsers
- outline W3C standards and their application to website development.

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:

- the client requirements, and content
- a text editor
- a range of browsers

- the internet for research and code validation.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

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