Australian Government

ICTWEB445 Implement content management systems

Release: 1

ICTWEB445 Implement content management systems

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

The unit 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) requiring 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
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
1. Analyse specifications and requirements	1.1 Identify required functionality of website 1.2 Determine server-side language required in website production 1.3 Establish content structure and navigation of website 1.4 Identify pre-existing restraints and standards requiring consideration when developing a website solution
2. Research solutions and create a content management system powered website	2.1 Research solutions according to website requirements, including programming language, content management system (CMS), licensing structure and hosting structure 2.2 Select content management system according to research conducted and website requirements 2.3 Fulfil website requirements using plug-ins and additions

ELEMENT	PERFORMANCE CRITERIA
	to existing content management system
	2.4 Install and configure chosen CMS and required plugins
	2.5 Insert and manage, website content
	2.6 Back up CMS as required
3. Validate and evaluate final website	3.1 Validate final website markup against website standards
	3.2 Test content management system performance in different browsers and digital devices, checking compatibility and core content management system functionality
	3.3 Confirm final website is secure and bug free according to cyber security procedures and protocols
	3.4 Confirm website requirements have been met and 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
Learning	• Determines client requirement solutions through research, analysis and validating information • Extends knowledge by building on prior knowledge
Reading	• Identifies, analyses and evaluates industry standards, workplace instructions, online and other technical documentation and determines all business requirements
Writing	• Develops clear and well-organised material for a specific audience and conveys explicit information requirements and recommendations using precise language
Self-management	• Takes personal responsibility for following explicit and implicit requirements for licencing policies, procedures and regulatory requirements • 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 solutions

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 ICTWEB416 Customise content management system.

Links

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