



Australian Government

ICTWEB508 Develop website information architecture

Release: 1

ICTWEB508 Develop website information architecture

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 develop information architecture for a complex website that meets current, and future, business requirements.

It applies to individuals working as highly skilled web developers and designers who are responsible for the navigation and hierarchy of a websites. They liaise with clients to adapt e-business into their corporate strategy, have high-level knowledge of technical languages and design principles.

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. Identify content needs	1.1 Identify the strategic intent of the website from the business requirements and client expectations 1.2 Develop information requirements based on the website's intent, intended audiences, types of client interactions, and the long and short-term goals for the site 1.3 Identify the required information, and group into business schemes related to the business structure 1.4 Determine the content requirements for each process 1.5 Identify any security access requirements

ELEMENT	PERFORMANCE CRITERIA
2. Plan the content structure	2.1 Cluster and document the information in related topics 2.2 Develop a hierarchy and site map of the information 2.3 Check data to confirm the sequence of hierarchy 2.4 Ensure that labels are clear, consistent, coherent and relatively intuitive for the client to access
3. Develop the navigation system	3.1 Build a navigation system for the overall website, based on the business requirements 3.2 Ensure ease of navigation on the site, and provide different ways of searching, while providing feedback to the client 3.3 Ensure that navigation is accessible
4. Test and sign off	4.1 Construct the prototype of the information architecture design 4.2 Arrange for a subset of the client to test the prototype for usability, and to determine if the architecture meets client expectations 4.3 Ensure that the site content will format in the business and client technical environment 4.4 Adjust the architecture based on client feedback 4.5 Sign off the prototype, and confirm that current and future business requirements are met

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	1.1-1.5, 2.1, 2.3, 2.4, 3.1, 3.2, 4.4, 4.5	Reads and interprets specifications, computer technical data, and other documentation from a variety of sources, and consolidates information to determine requirements
Writing	1.2, 2.1, 2.2, 2.4, 3.1, 3.3, 4.1, 4.2, 4.4, 4.5	- Develops clear and well-organised technical and online material, for specific audiences using the appropriate language to convey explicit information - Prepares correspondence using clear language, correct spelling and terminology, and accuracy of information

Oral Communication	1.1, 1.5, 3.2, 4.4	Articulates clearly using specific and relevant language, suitable to the audience to convey requirements, and listening, and questioning techniques to confirm understanding
Interact with others	2.4, 3.3, 4.2	Selects, implements and seeks to improve protocols governing communications to clients and co-workers, in a range of work contexts
Get the work done	1.2, 1.3, 1.5, 2.3, 3.1, 4.1, 4.2, 4.3, 4.5	- Accepts responsibility for planning and sequencing complex tasks and workload, negotiating key aspects with others, taking into account capabilities, efficiencies and effectiveness - Applies systematic and analytical decision-making processes for complex and non-routine situations - Uses and investigates new digital technologies, and applications, to manage and manipulate data, and communicate effectively with others, in a secure and stable digital environment

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTWEB508 Develop website information architecture	ICAWEB508A Develop website information architecture	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 ICTWEB508 Develop website information architecture

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Performance Evidence

Evidence of the ability to:

- identify the strategic business requirements for the website
- develop and design, the information architecture for a complex website
- develop a site map, outlining the navigation hierarchy of a complex website
- test the access path to all sections of the website, and obtain client approval.

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:

- describe how e-business sites fit into a corporate strategy
- outline the importance of client and business liaison
- summarise the purpose and function of cascading style sheets (CSS)
- describe the use of hypertext markup language (HTML), extensible hypertext markup language (XHTML) and hypertext transfer protocol (HTTP), in web design
- outline the implications of technology connectivity and documentation of technical specifications
- summarise World Wide Web Consortium (W3C) standards
- explain the website architecture and business process design, and the linkages between processes
- outline the importance of website accessibility.

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:

- a web server
- the requirement specifications
- an integrated development environment (IDE), capable of creating web pages and server-side code
- current web development technology.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

Companion Volume implementation guides are found in VETNet -

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