



Australian Government

ICTWEB522 Develop website information architecture

Release: 1

ICTWEB522 Develop website information architecture

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 develop information architecture for a complex website that meets business requirements.

It applies to individuals working as highly skilled web developers and designers and are responsible for the navigation and hierarchy of websites. They liaise with clients to adapt e-business into their corporate strategy, applying 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 strategic intent of website from business requirements and client expectations 1.2 Define information and content requirements according to websites intent, intended audiences, types of client interactions and the websites long and short-term goals 1.3 Collate required information and content and group into business schemes applicable to business structure and processes 1.4 Identify website security access requirements
2. Plan content structure	2.1 Cluster and document information and content in related topics 2.2 Develop a hierarchy and site map of information and content 2.3 Check data and confirm sequence of hierarchy

ELEMENT	PERFORMANCE CRITERIA
	2.4 Confirm labels are accessible to client
3. Develop navigation system and create prototype	3.1 Build website navigation system according to business requirements 3.2 Confirm ease and accessibility of navigation on website and provide different ways of searching 3.3 Construct prototype of information architecture design
4. Test and sign off	4.1 Arrange for client and required personnel to test usability of prototype and determine if architecture meets client expectations 4.2 Confirm site content will format in business and client technical environments and different browsers and digital devices 4.3 Adjust architecture according to client feedback 4.4 Obtain sign-off prototype from required personnel and confirm business requirements are met

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
Oral communication	Uses listening and questioning techniques to convey client requirements, and articulate complex information using specific language applicable to audience
Reading	Reads and interprets specifications, technical data and other documentation from a variety of sources, and consolidates information to determine requirements
Writing	- Develops and designs information architecture for a complex website using required language according to client and business requirements - Prepares correspondence using applicable language, spelling and terminology to collect and confirm information
Planning and organising	- Accepts responsibility for planning and sequencing complex tasks and workload - Negotiates key aspects with others, including required capabilities, efficiencies and effectiveness
Problem solving	Applies systematic and analytical decision-making processes for complex situations
Technology	- Uses and investigates new digital technologies and applications - Manages and manipulates data and communicates with others in a

SKILL	DESCRIPTION
	secure and stable digital environment

Unit Mapping Information

Supersedes and is equivalent to ICTWEB508 Develop website information architecture.

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 ICTWEB522 Develop website information architecture

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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:

- develop and design information architecture for a complex website with at least ten pages, according to technical requirements.

In the course of the above, the candidate must:

- test access path to all sections of website
- confirm functionality and accessibility of website information architecture on at least two different browsers and at least two different digital devices.

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:

- corporate strategies related to business websites
- the importance and purpose of client and business liaison
- the purpose and function of cascading style sheets (CSS)
- the use of hypertext markup language (HTML), extensible hypertext markup language (XHTML) and hypertext transfer protocol (HTTP), in web design
- technology connectivity implications
- processes for documenting technical specifications
- World Wide Web Consortium (W3C) standards
- website architecture and business process design and linkages between processes
- website accessibility and security access requirements.

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:

- a web server
- client and business requirement specifications
- an integrated development environment (IDE), required for creating web pages and server-side code
- web development technology required to develop website information architecture.

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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