



Australian Government

ICTWEB401 Design a website to meet technical requirements

Release: 1

ICTWEB401 Design a website to meet technical requirements

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 design a website to specifications, within a particular technical and human interface environment.

This unit applies to individuals who are responsible for analysis, documentation and design, including identifying the technical and human computer interface requirements that drive design.

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. Define the technical environment	1.1 Identify the business requirements 1.2 Identify the appropriate standards required to develop the site 1.3 Identify the appropriate hardware and software required
2. Define the human computer interface	2.1 Conduct a user analysis, in order to determine a user profile and user needs 2.2 Determine the user content, and requirements 2.3 Determine the appropriate design principles for the site 2.4 Identify the appropriate operating system

ELEMENT	PERFORMANCE CRITERIA
3. Determine the site hierarchy	3.1 Identify the hierarchy of pages 3.2 Ensure that the content is logical and accessible to the user 3.3 Ensure that navigation between pages is consistent and clear
4. Integrate the design components	4.1 Apply the appropriate information hierarchy to the site design 4.2 Ensure that the design principles are appropriate to the business, and to the user 4.3 Ensure that the process flow is developed in a logical and simple manner 4.4 Test the site against user needs 4.5 Complete and document the design structure

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	1.1-1.3, 2.1-2.4, 3.1-3.3	Interprets, analyses, and synthesises, technical and organisational information to inform decision-making, to construct and validate solutions, and to produce responses to pre-determined requirements and work tasks
Writing	2.2, 3.2, 3.3, 4.5	- Develops content in a manner that supports and conveys information, using the appropriate structures, templates, software, and specialised language - Produces a logically sequenced text to convey exact procedural requirements and specific, and concise, instructions/meaning
Navigate the world of work	1.2	Takes personal responsibility for adherence to the standards of industry bodies, where related to own work context
Interact with others	2.1, 2.2, 4.2	Selects the appropriate communication protocols and conventions, when conferring with clients to elicit information, and to determine specific needs and requirements
Get the work	1.1, 1.2, 1.3, 2.1, 2.2, 2.3, 2.4, 3.1, 3.2, 3.3,	Takes responsibility for planning, sequencing, and prioritising tasks within own workload, for efficiency and

done	4.1, 4.2, 4.3, 4.4	effective outcomes • Uses analytical processes to make routine and some complex decisions, to develop logical structures within the website information and operation that meet client needs • Understands the purposes, specific functions and , key features of common digital systems, tools and software, and operates them effectively to complete routine tasks
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Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTWEB401 Design a website to meet technical requirements	ICAWEB401A Design a website to meet technical requirements	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 ICTWEB401 Design a website to meet technical requirements

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Performance Evidence

Evidence of the ability to:

- identify and select, the appropriate tools and procedures required to develop a website
- conduct a user analysis to identify the website, or design structure, required
- define the user interface
- determine the site hierarchy
- test the website, to ensure that it meets the standards required by the user.

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:

- explain the basic aspects of information architecture
- describe the business process design
- outline copyright and intellectual property requirements
- provide an overview of the customer, and business, liaison
- detail e-business sites and corporate strategy
- describe the implications of technology connectivity
- explain the procedures for documenting technical specifications
- discuss the relevant standards relating to website design
- compare website design methods, and standard website structures
- recognise and define, common operating systems
- recognise and operate, common computer hardware.

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:

- analysis software
- customer relationship model
- e-business website
- requirements documentation
- site server
- site server software
- web servers
- relevant standards, and copyright information.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

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