



Australian Government

ICTWEB502 Create dynamic web pages

Release: 1

ICTWEB502 Create dynamic web pages

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 produce both server and client-side content.

It applies to individuals working as web developers who are responsible for creating dynamic pages to provide interaction between the user and the website. They use highly developed technical and analytical skills when developing the user-website interface.

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 the client and server-side dynamic content	1.1 Review the technical requirements 1.2 Identify the sections of the website, requiring client-side dynamic content 1.3 Identify the sections of the website, requiring server-side dynamic content 1.4 Select the appropriate languages and technology to meet the requirements
2. Create the dynamic content	2.1 Create pages using the appropriate languages 2.2 Ensure that the code conforms to current industry best practice

ELEMENT	PERFORMANCE CRITERIA
	and standards
3. Test the dynamic pages	3.1 Test the website in a variety of browsers 3.2 Ensure that the required dynamic content functions according to the specified requirements

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, 3.2	Critically analyses documentation from a variety of sources and records, and consolidates information, to determine requirements
Writing	2.1	- Prepares documentation expressing ideas, explores complex issues, and is constructed logically, succinctly and accurately - Writes and edits computer code, and technical data, to ensure the correct syntax and accuracy
Navigate the world of work	2.1	Takes full responsibility for following policies, procedures and standards
Get the work done	1.2-1.4, 3.1, 3.2	- Accepts responsibility for planning and sequencing complex tasks and workload, negotiating key aspects with others and 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 to 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
ICTWEB502 Create dynamic web pages	ICAWEB502A Create dynamic web pages	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 ICTWEB502 Create dynamic web pages

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Performance Evidence

Evidence of the ability to:

- produce dynamic web pages that include both client and server-side dynamic content
- create efficient and effective code to meet technical requirements
- test the website and code in a variety of web browsers.

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 web-programming concepts, including:
 - authentication and web security
 - hypertext transfer protocol (HTTP)
 - session management
 - stateless programming
- identify and describe internet technologies including:
 - programming control structures
 - object-oriented programming
- recognise and outline various web browsers.

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 development environment

- a server
- a database server
- browsers.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

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