



Australian Government

ICTWEB411 Produce basic client-side script for dynamic web pages

Release: 1

ICTWEB411 Produce basic client-side script for 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 develop interactive and engaging websites, using a range of features from various, appropriate languages.

It applies to individuals working in web development environments who are required to produce client-side scripts as a common means of creating interactive websites. These scripts offer an effective simple means of enabling websites to provide greater interaction with clients.

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. Analyse the requirements for web documents	1.1 Determine the necessary dynamic functionality of the web document 1.2 Determine the appropriate language to achieve that functionality 1.3 Determine the web document requirements
2. Design and produce web documents	2.1 Design the web document, and embedded scripts to achieve the required functionality 2.2 Write a simple hypertext markup language (HTML),

ELEMENT	PERFORMANCE CRITERIA
	considering accessibility 2.3 Write embedded scripts
3. Test the scripts and debug	3.1 Test the web document against the required functionality, and reiterate until correct 3.2 Complete the documentation and submit it to the appropriate person for their approval

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	1.3	Recognises and interprets textual information in various information and communications technology (ICT) languages, in order to determine the dynamic functionality of the web document
Writing	1.1, 1.3, 2.1, 2.2, 2.3, 3.2	Develops material for a specific audience, using detailed ICT language, to convey explicit information
Oral Communication	1.1, 1.3	Articulates clearly, using the specific language suitable to technical, operational and business audiences, to convey requirements and listening, and questioning, techniques to confirm understanding
Get the work done	1.1-1.3, 2.1-2.3, 3.1-3.2	- Plans approach to work based on internet protocols, and the analysis of business needs and requirements - Sequences, schedules and prioritises own work activities - Resolves issues, including design and functionality conflicts, debugging and handling errors, and implements tests to ascertain the functionality of solutions, prior to full implementation - Utilises a combination of lateral and analytical thinking, and practice, to design and validate the reliability, and efficacy of web documents - Uses a range of digitally-based technologies, software packages, and hardware to view the active elements or objects across different platforms, and to design, and produce, web documents

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTWEB411 Produce basic client-side script for dynamic web pages	ICAWEB411A Produce basic client-side script for 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 ICTWEB411 Produce basic client-side script for dynamic web pages

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Performance Evidence

Evidence of the ability to:

- determine the dynamic functionality and requirements of web documents
- select the appropriate language
- design web documents with embedded script
- produce dynamic web page documents
- test and debug, the web document functionality
- document and gain 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:

- discuss the basic principles behind open platform programming
- describe client-side scripting and its application to dynamic web page design, including:
 - events and event handlers
 - internet operation related to servers and clients
 - internet protocols
 - standard generalised markup language (SGML)
 - associated standards
- identify and outline, security restrictions on servers
- describe the difference between server-side and client-side scripting
- describe the standards associated with programming documentation.

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 should be typical of those experienced in the website technologies field of work, and include access to:

- special purpose tools
- equipment and materials
- industry software packages
- the web server
- the client requirements
- the security policy
- functionality and scope requirements.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

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