



Australian Government

ICTWEB441 Produce basic client-side script

Release: 1

ICTWEB441 Produce basic client-side script

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 interactive and engaging websites, using a range of features from various languages.

The unit 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 web document requirements	1.1 Determine dynamic functionality of web document 1.2 Identify required language according to required functionality 1.3 Engage in client discussions and determine web document requirements 1.4 Confirm level of documentation required
2. Design and produce web documents	2.1 Design web document and embedded scripts and confirm required functionality is achieved according to organisational procedures 2.2 Write a simple hypertext markup language (HTML), considering accessibility 2.3 Write and produce embedded scripts according to web

	document requirements
3. Test and debug scripts	3.1 Test web document against required functionality and reiterate accordingly 3.2 Test script using cyber security procedures and protocols and confirm script is secure and bug free 3.3 Complete documentation and submit to required personnel for approval

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	- Articulates using specific language applicable to technical, operational and business audiences - Confirms interpretation using listening and questioning techniques
Reading	Identifies and interprets textual information in various information and communications technology (ICT) languages and determines dynamic functionality of web document
Writing	Develops material and conveys explicit information for a specific audience, using detailed ICT language
Problem solving	- Plans approach to work according to internet protocols and analysis of business needs and requirements - Resolves issues, including design and functionality conflicts, debugging and handling errors and implements tests to ascertain functionality of solutions, prior to full implementation - Designs and validates reliability and efficacy of web documents using a combination of lateral and analytical thinking and practice,
Self-management	Sequences, schedules and prioritises own work activities
Technology	Views active elements and objects across different platforms and designs and produces web documents using a range of digitally-based technologies, software packages and hardware.

Unit Mapping Information

Supersedes and is equivalent to ICTWEB411 Produce basic client-side script for dynamic web pages.

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 ICTWEB441 Produce basic client-side script

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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:

- design and produce a script according to web document functionality requirements and organisational procedures.

In the course of the above, the candidate must:

- produce dynamic web page documents, considering accessibility of web page
- test and debug web document functionality and confirm web document is secure
- document and seek approval from required personnel.

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:

- basic principles behind open platform programming
- client-side scripting and its application to dynamic web page design, including:
 - events and event handlers
 - internet operation related to clients
 - internet protocols
 - simple hypertext markup language (HTML)
 - applicable standards
- purpose and differences between server-side and client-side scripting
- standards associated with programming documentation
- script testing methodologies
- cyber security procedures and protocols
- organisational procedures relevant to producing client-side scripts.

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:

- required tools, equipment and materials
- industry standard software packages and features within
- required hardware and digital devices
- client requirements documentation
- cyber security procedures and protocols
- functionality and scope requirements.

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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