ICTWEB415 Produce server-side script for dynamic web pages

Release: 1

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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 server-side scripts for dynamic web pages, using a range of relevant features from different but appropriate languages.

It applies to individuals working as web designers who apply a wide range of knowledge and skills across different information and communications technology (ICT) environments to support small to medium enterprises (SMEs) that require broader, rather than more specialised, ICT support.

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
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
1. Analyse the requirements for web documents requiring server-side dynamic interaction	1.1 Determine the necessary dynamic functionality of the web document 1.2 Determine the appropriate language, to achieve that functionality 1.3 Determine web document requirements
2. Design server-side scripts	2.1 Design the web document and server-side code, to interact with an external data source 2.2 Design the web document and server-side code, to allow an

ELEMENT	PERFORMANCE CRITERIA
	administrator to insert, update, and delete entries to the external data source 2.3 Implement security features in the web document
3. Produce the web documents	3.1 Write the extensible hypertext markup language (XHTML), considering accessibility 3.2 Write server-side scripts to current XHTML standards
4. Test the scripts and debug	4.1 Test the web document against required the functionality and reiterate until correct 4.2 Complete the documentation and submit it to the appropriate person for their approval
5. Set up security	5.1 Determine the necessary permissions to prevent error messages displaying to the public 5.2 Configure server software to minimise potential database attacks

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	• Identifies, analyses and evaluates workplace instructions and technical documentation, to determine all business requirements
Writing	2.2, 2.3, 3.1, 3.2, 4.2	• Develops clear and well-organised material for a specific audience, using precise language to convey explicit information requirements and recommendations
Oral Communication	1.1, 1.3	• Clearly articulates requirements using the language appropriate to the audience, and participates in a verbal exchange of ideas/solutions
Navigate the world of work	3.2	• Identifies and complies with the current standards
Interact with others	4.2	• Uses a range of strategies to establish a sense of connection, and to build rapport, with clients and co-workers

Get the work done	1.2, 2.1, 2.2, 2.3, 4.1, 5.1, 5.2	• Takes responsibility for planning, sequencing and prioritising tasks and own workload, for efficiency and effective outcomes
		• Makes routine decisions and implements standard procedures for routine tasks, using formal decision-making processes for more complex and non-routine situations
		• Uses familiar digital technologies and systems to access information, search and enter, data and code, present information and communicate with others, cognisant of data security and safety

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTWEB415 Produce server-side script for dynamic web pages	ICAWEB415A Produce server-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.education.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e 9d6aff2