Australian Government

# ICTWEB430 Produce server-side script for dynamic web pages

**Release: 1**

# ICTWEB430 Produce server-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 4.0. |

## 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 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 organisations that require broad 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 Review and assess user requirements with user to determine the necessary web document<br><br>1.2 Determine and document dynamic functionality of web document to meet user requirements<br><br>1.3 Determine appropriate language based on required dynamic functionality<br><br>1.4 Finalise web document requirements |
| 2. Design server-side scripts | 2.1 Design web document and server-side code to interact with an external data source<br><br>2.2 Design web document and server-side code to allow |

| | |
|---|---|
| | administrator to insert, update, and delete entries to external data source<br><br>2.3 Implement security features in web document based on user requirements |
| 3. Produce the web documents | 3.1 Write extensible hypertext markup language (XHTML) in line with XHTML standards, to define web page structure<br><br>3.2 Write server-side scripts in line with XHTML standards to enable customised page content generation<br><br>3.3 Upload images to web-hosted database to enable dynamic retrieval for web page |
| 4. Test the scripts and debug | 4.1 Test web document and rectify issues to meet user requirements<br><br>4.2 Complete test results documentation and submit it to superior for discussion and acceptance |
| 5. Set up security | 5.1 Determine and implement permissions to prevent error messages displaying to the public<br><br>5.2 Configure server software to minimise potential database attacks |

# 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 |
|---|---|
| Reading | • Identifies, analyses and evaluates workplace instructions and technical documentation, to determine all organisational requirements |
| Writing | • Develops clear and well-organised material for a specific audience, using precise language to convey explicit information requirements and recommendations |
| Oral Communication | • Clearly articulates requirements using the language appropriate to the audience, and participates in a verbal exchange of ideas/solutions |
| Navigate the world of work | • Identifies and complies with the current standards |
| Interact with others | • Uses strategies to establish a sense of connection, and to build rapport, with clients and colleagues |
| Get the work | • Takes responsibility for planning, sequencing and prioritising tasks and own workload, for efficiency and effective outcomes |

| done | • Makes routine decisions and implements standard procedures for routine tasks, using formal decision making processes for more complex and non-routine situations<br>• 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 |
|---|---|---|---|
| ICTWEB430 Produce server-side script for dynamic web pages | ICTWEB415 Produce server-side script for dynamic web pages | Updates to performance criteria and assessment requirements for clarity. | Equivalent unit |

## Links

Companion Volume Implementation Guides are available from VETNet - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2