



Australian Government

Assessment Requirements for ICTWEB430 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 4.0.

Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements and performance criteria of this unit; including evidence of the ability to:

- Create a dynamic web page according to one set of user requirements
- Use server-side scripting to retrieve information from a web-hosted database in two different instances
- Analyse three language options and the associated advantages and disadvantages based on web document requirements to select most appropriate language
- Configure one webserver to deliver the website using HTTPS
- Create one script for each of the following:
 - inserting, updating, and deleting data from a web server database
 - implementing security features
 - uploading and retrieving images
 - managing sessions and creating secure logins
- Test web document and undertake corrective actions to meet requirements
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Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements and performance criteria of this unit. This includes:

- Server-side technologies and at least three web scripting languages and associated advantages and disadvantages
- Server-side web analysis and design parameters
- XHTML standards
- Testing tools and processes and associated advantages and disadvantages
- Control structures and object-oriented programming
- Web-programming concepts including:
 - the hypertext transfer protocol (HTTP) and HTTP Secure (HTTPS)

- stateless programming
- session management
- authentication and web security
- database vulnerabilities and preventative software configuration and programming practices
- Organisational procedures to document test results
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Assessment Conditions

Skills in this unit must be demonstrated in a workplace or simulated environment where the conditions are typical of those in an ICT working environment or workplace. This includes access to:

- Web-hosted database
- Server with software for configuration
- User requirements relating to web documents
- Software development environment
- XHTML standards
- Individual users as well as superior in the organisation

Assessors of this unit must satisfy the assessor requirements in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volume Implementation Guides are available from VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2>