



Australian Government

Assessment Requirements for ICTWEB527 Research and apply emerging web technology trends

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 6.0.

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:

- research, investigate and apply at least two emerging web technology trends to a web application, according to organisational needs.

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:

- principles of the internet and technologies that underpin its existence
- key principles of analysis and design
- programming control structures and object-oriented programming applicable to implementing new web technology
- web programming concepts, including:
 - the hypertext transfer protocol (HTTP)
 - stateless programming
 - session management
 - authentication and web security
 - client-side programming
- latest web technology trends and their application to different clients
- features, functions and requirements of different web applications
- web application testing processes
- sources of information regarding new and emerging trends and technologies
- legislative and organisational requirements and standards applicable to implementation of new technologies.

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:

- a development environment
- a server
- a database server
- hardware and software applicable to implementation of new technology
- the internet
- browsers and digital devices.

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

Links

Companion Volume Implementation Guide is found on VETNet -

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