



Australian Government

Assessment Requirements for ICTWEB526 Implement and use web services

Release: 1

Assessment Requirements for ICTWEB526 Implement and use web services

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:

- transform data from at least three relational or other native data sources into an extensible markup language (XML).

In the course of the above, the candidate must:

- provide access to a business functionality via a web service description language (WSDL) file
- locate and retrieve at least three pieces of information about a public web service business function and include it in a website using universal description, discovery and integration (UDDI) and a simple object access protocol (SOAP)
- implement a web service according to business requirements, specifications and industry standards.

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:

- functions and features of web development technologies
- web service testing processes
- purpose and uses of different web services, including XML, WDSL, UDDI and SOAP
- functions and purpose of web service architecture
- functions and features of XML language and data structures and validation techniques
- uses of namespaces
- legislative and organisational requirements applicable to the implementation and use of web services.

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:

- web service business requirement specifications
- legislative requirements applicable to use of web services, including industry standards published by the World Wide Web Consortium (W3C)
- platform-specific documentation and help files describing syntax and use of proprietary technologies
- digital devices simulated development environment including the following elements:
 - a relational database server
 - the integrated development environment (IDE), including related frameworks, APIs and applicable proprietary classes required to implement web services and their enabling technologies
 - a web server
 - web browsers
 - XML editors
 - XML schema
 - XPath testing utilities.

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>