



Australian Government

ICTDBS504 Integrate database with a website

Release: 1

ICTDBS504 Integrate database with a website

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 ensure the database is integrated with a website.

It applies to individuals employed as web developers who are responsible for creating data-driven web applications.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Unit Sector

Database

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Connect to the database	1.1 Identify site data needs from the technical requirements 1.2 Connect to the database from a web application using a web development language
2. Retrieve data from database and display on web pages	2.1 Retrieve data using structured query language (SQL) 2.2 Display the data in the most appropriate control 2.3 Format the data so that it is displayed in the most effective way
3. Update the database data from user input	3.1 Update the existing data stored in the database with user-supplied input 3.2 Insert the data in the database with user-supplied input

ELEMENT	PERFORMANCE CRITERIA
	3.3 Delete the data stored in the database 3.4 Validate the data and check for errors

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, 3.1, 3.3, 3.4	<ul style="list-style-type: none"> Interprets textual information from the sources in order to identify relevant and key information
Writing	1.2, 2.3, 3.1, 3.2	<ul style="list-style-type: none"> Writes and edits computer input data, code and technical data, ensuring correct syntax and accuracy
Get the work done	All	<ul style="list-style-type: none"> Uses systematic, analytical processes in complex, non-routine situations, setting goals, gathering relevant information, and identifying, and evaluating options against agreed criteria Uses analytical processes to decide on a course of action, and establishes the criteria for deciding between different options Demonstrates a sophisticated understanding of principles, concepts, language and practices associated with the digital world, and uses these to connect to a database from a web application, retrieving, displaying and updating data

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalent status
ICTDBS504 Integrate database with a website	ICADBS504A Integrate database with a website	<p>Updated to meet Standards for Training Packages.</p> <p>Minor edits to clarify intent of the</p>	Equivalent unit

Code and title current version	Code and title previous version	Comments	Equivalent status
		performance criteria	

Links

Companion Volume implementation guides are found in VETNet -

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