



Australian Government

Assessment Requirements for ICTDBS415 Build a database

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 elements and performance criteria of this unit; including evidence of the ability to:

- For one database:
 - review the database design documentation including data structures, queries, reports, access, and user interface
 - identify the organisation's data management and security requirements
 - produce a prototype database including current organisation data and assess the functionality of the database with the user
 - populate and perform tests on the database
 - interact with the user to obtain approval
 - identify and document user training requirements

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:

- Principles of database design including database management system (DBMS) fundamentals
- Functions and features of a database
- Logical data modelling
- Object-model design concepts related to:
 - development of data structures
 - development of a prototype
 - queries
 - user interfaces
 - reports
- Physical design concepts in relation to a prototype
- Run-time facilities related to implementing a live database and operation of a prototype
- Structured query language (SQL)

- Principles and concepts underpinning the design, and operation of digital systems and tools.
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Assessment Conditions

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

- Software packages and systems containing organisational data
- Database design documentation including data structure, queries, reports, and user interfaces
- Database management system software
- Individual user to consult
- User acceptance criteria
- Networked computer on which to install the database management system software and conduct testing
- Organisational data security plan.
- Data organisation system with existing data

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>