Australian Government

Assessment Requirements for ICTDBS412 Build a database

Release: 1

INDUSTRY SKILLS COUNCILS
Creating Australia's Future

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Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 1.0.

Performance Evidence

Evidence of the ability to:

- identify client data management and security requirements
- produce a prototype data base
- populate and perform tests
- discuss results with client for approval
- implement the data base with the client.

Note: If a specific volume or frequency is not stated, then evidence must be provided at least once.

Knowledge Evidence

To complete the unit requirements safely and effectively, the individual must:

- outline the principles of data base design including :
  - database management system (DBMS) fundamentals particularly during the design phase
- describe the functions and features of a database
- describe logical data modelling
- outline object-model design concepts related to:
  - developing data structures
  - development of a prototype
  - queries
  - screens
  - reports
- explain the physical design concepts in relation to a prototype
- recognise and describe run-time facilities related to implementing a live database and operation of a prototype
- describe and apply structured query programming language (SQL).

Assessment Conditions

Gather evidence to demonstrate consistent performance in conditions that are safe and replicate the workplace. Noise levels, production flow, interruptions and time variances must be typical of those experienced in the database field of work, and include access to:

- industry software packages
- business requirements and strategy
- database design documentation
- database software
- database programming language.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

Companion volumes available from the IBSA website: http://www.ibsa.org.au/companion_volumes - https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2