Specification of Competency Standards
for the Retail Industry
Unit of Competency

Functional Area - Website Design and Development

Title	Master the design and application of database
Code	107212L4
Description	In the system development process, apply database related technology to add, retrieve, update, delete the file data and design relational and non-relational database.
Level	4
Credit	6 （For Reference Only）
Competency	Performance Requirements 1. Understand the basics of database design • Understand relational and non-relational database design, such as relational database, SQL, T-SQL, BigTable, MongoDB, etc. • Understand the database, database interface and operation of application interface 2. Develop applications that use relational and non-relational databases • Develop database operations based on Access, MS SQL Server, and other SQL Server • Develop database operations based on BigTable (Google), MongoDB, and other NoSQL • Create an interactive website based on database operations 3. Exhibit professionalism • Comply with the requirements of information technology security in the database applications. • Not violate personal privacy laws in the database applications.
Assessment Criteria	The integrated outcome requirement of this UoC is the ability to: • Understand the basis of relational and non-relational database design • Create an interactive database website.
Remark	