

Specification of Competency Standards
for the Retail Industry
Unit of Competency

Functional Area - Website Monitoring and Testing Technology

Title	Implement integration and interface testing
Code	107247L4
Description	In the integration test process, apply appropriate integration strategy to consolidate the programming modules for accurate testing of the system integration and interface. Ensure the testing meet the expected requirements of the e-business corporate or industry standard.
Level	4
Credit	6 (For Reference Only)
Competency	<p>Performance Requirements</p> <ol style="list-style-type: none"> 1. Understand the concept of overall and interface testing <ul style="list-style-type: none"> • Understand the basis of integration testing, such as in accordance with the function and performance of the module, module and module interface and the coordination of different the code units to complete a function etc. • Understand the pre-test preparation, integration of the module steps and methods and consolidation of test conclusions etc. 2. Master the overall and interface testing <ul style="list-style-type: none"> • Develop an integrated test plan • Design integration test • Perform an integration test • Evaluate the integration test results 3. Exhibit professionalism <ul style="list-style-type: none"> • Ensure the function and performance of each module in the integration test is normal • Ensure the feasibility of one module to enable the operation of another module, and the accuracy of data transmission between different modules.
Assessment Criteria	<p>The integrated outcome requirement of this UoC is the ability to:</p> <ul style="list-style-type: none"> • Master and perform integration testing, mutual call testing between software modules, module performance testing, and module interface testing. • Understand the integration test and compare the difference with the unit test
Remark	