

Specification of Competency Standards
for the Retail Industry
Unit of Competency

Functional Area - Website Design and Development

Title	Master semantic web language
Code	107210L4
Description	In the application of handling content, master the design foundation of the Web Ontology Language (OWL) and achieve the purpose of information readability.
Level	4
Credit	6 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Understand the basics of semantic web language</p> <ul style="list-style-type: none"> • Understand the shortcomings of traditional websites and the structure of the semantic network, such as XML, Resource Description Framework (RDF), Resource Description Framework (RDFS), Internet Ontology (OWL), and et., • Understand the purpose of metadata • Understand the OWL definition vocabulary to describe the data model categories and attributes, structured description data, extensibility, validation mechanisms, etc. <p>2. Apply semantic web to build more meaningful webpages and data model</p> <ul style="list-style-type: none"> • Apply different semantic web language series, such as resource description framework (RDF), Resource Description Framework (RDFS), Internet Ontology (OWL), etc. • Apply the web ontology language to define vocabularies to describe more meaningful data models and websites <p>3. Exhibit professionalism</p> <ul style="list-style-type: none"> • Meet the safety and scalability requirements in the development of sematic web.
Assessment Criteria	<p>The integrated outcome requirement of this UoC is the ability to:</p> <ul style="list-style-type: none"> • Understand the semantic web design language • Master different sematic web languages such as XML, Resource Description Framework (RDF) (RDF), Resource Description Framework (RDFS), and Internet Ontology (OWL) technology to develop more meaningful web sites.
Remark	