

Specification of Competency Standards
for the Retail Industry
Unit of Competency

Functional Area - Website Design and Development

Title	Master the framework and architecture of website development
Code	107211L4
Description	In the system development process, master the website development framework and architecture so develop more effective website and facilitate the future maintenance works.
Level	4
Credit	6 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Understand the web development framework and architecture</p> <ul style="list-style-type: none"> • Understand software development architecture, model analysis model, architecture technology selection, development tool software selection • Master the web development of the page technology such as JSP, JavaBean, Servlet, Hibernate, Spring and so on • Apply development tools such as JDK, database software, web servers, integrated development tools, version control software, etc. <p>2. Build of website development framework and architecture</p> <ul style="list-style-type: none"> • Master the needs analysis and design website development framework • Apply web design to develop framework • Create and use database • Build an integrated development environment • Apply different website architecture and framework, such as JSP + JavaBean + Servlet, Hibernate, Spring, SSH / SSH2 to integrate the architecture <p>3. Exhibit professionalism</p> <ul style="list-style-type: none"> • Meet the maintainability and scalability requirements of the website development framework and architecture.
Assessment Criteria	<p>The integrated outcome requirement of this UoC is the ability to:</p> <ul style="list-style-type: none"> • Understand the web development framework and architecture. • Develop model analysis using different architectural techniques and development tools
Remark	