

Specification of Competency Standards
for the Information & Communications Technology Industry
Unit of Competency

Functional Area - Operations Management

Title	Develop interactive website
Code	107987L4
Description	This unit of competency applies to interactive web developers in the DMT (Digital Media Technology) profession. A successful website don't need to be interactive, however if the organisation need to have an effective website that can communicate with its customers and users then the site needs to be interactive. This UOC concern competencies for implementation of interactive features into website after the design has been finalized with stakeholders.
Level	4
Credit	6
Competency	<p>Performance Requirements</p> <p>1. Knowledge for developing interactive website</p> <ul style="list-style-type: none"> • Possess good communication skills to be able to communicate with all levels • Possess in depth knowledge of interactive and non-interactive web contents, technologies and trends • Possess good skills with various web programming such as: W3C standards, HTML5, Cascade Style Sheets (CSS), scripting languages (Javascript, jQuery, etc.) • Possess good knowledge of responsive web technology • Possess good knowledge in server side programming, database and security • Have good knowledge of the organisation's business goals and objectives <p>2. Develop interactive website:</p> <ul style="list-style-type: none"> • Comprehend the design specification and work with designer and/or stakeholders to understand and confirmed the design specification. <ul style="list-style-type: none"> ○ Clarification of requirements, if necessary ○ Contribute interactive feature/idea or functional enhancements of the design, if any • Plan, prepare website contents and perform research of the following : <ul style="list-style-type: none"> ○ What interactive feature can be implemented ○ Tools that can help to create the required interactive functions ○ Tools that can enable the development of the website ○ Creation of responsive website ○ HTML5, JavaScript and various interactive libraries • Develop the website contents, including but not limited to the following: <ul style="list-style-type: none"> ○ Basic web markup pages with HTML or web authoring tools ○ Cascade Style Sheets (CSS) ○ Responsive components ○ Interactive contents: <ul style="list-style-type: none"> ▪ Blog/forum, Calendars, calculators ▪ Interactive infographics ▪ Interactive 3D contents ▪ Social plugins ▪ Gamification functions • Test the website to ensure it fulfilled the design spec requirements and all the contents worked on all required devices and browsers • Backup, package, document the completed work and seek work signoff approval • Facilitate website rollout and prepare maintenance environment for support and enhance phase of the website

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	<p>3. Exhibit professionalism</p> <ul style="list-style-type: none">• Be current, updated with trends of interactive and web development technologies• Apply industries best practices to for creation of interactive websites that meets the organisation business needs and conformed with web standards
Assessment Criteria	<p>The integrated outcome requirements of this UoC are the abilities to:</p> <ul style="list-style-type: none">• Comprehend the design specification, clarify all requirements issues with designer and/or stakeholders, as well as contributing ideas and suggestions prior starting on development work• Research, plan and gather all the necessary tools for the website development work• Complete and test the interactive web development work that satisfied the design specification and stakeholders requirements
Remark	