

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

Functional Area - Operations Management

Title	Create a responsive website
Code	108000L3
Description	This unit of competency applies to web developers and digital media technology (DMT) practitioners. With ever growing of web-enabled devices, each with differing size, capabilities and features; it's no longer sensible to build fixed-width websites. A web page should look good, and be easy to use, regardless of the device. This UoC concentrate on competencies for designing/creating a new "Responsive Website" that can resize, hide, shrink, enlarge, or move the content to make it look good on any screen for desktop or mobile devices
Level	3
Credit	3
Competency	<p>Performance Requirements</p> <p>1. Knowledge for creating a responsive website</p> <ul style="list-style-type: none"> • Possess good communication and literacy skills to be able to understand requirements from stakeholders verbally or from specification • Possess good web design skills • Possess good knowledge of responsive web technologies • Possess good knowledge of HTML 5 and CSS 3 particularly responsive web features • Possess knowledge of page description diagram • Possess website development skills, including script programming <p>2. Create a responsive website:</p> <ul style="list-style-type: none"> • Work with stakeholders to understand website requirements, including but not limited to the following : <ul style="list-style-type: none"> ○ Goals of the website, message or theme of website ○ Target audience ○ Specific target devices, if any ○ Acquire details requirements of each web page, scope of the work, determine creative direction/requirements, level of uniqueness, type of information to show, colour schemes, etc. • Create initial design using responsive design techniques which describes the website in components (patterns) that allows easy creation of responsive website and facilities discussion/agreement with stakeholders. Design techniques included but not limited to the following : <ul style="list-style-type: none"> ○ page description diagram ○ Wireframe • Perform market research for inspirations and determine suitable responsive templates, if any, that matches the design requirements as well responsive tools that can be in the website creation, such as auto image resizer, etc. • Create the components of the web page with techniques includes but not limited to the following : <ul style="list-style-type: none"> ○ CSS, HTML5 ○ Match each device ○ Meta Viewport tag ○ Media Queries ○ Responsive web patterns ○ Fluid/Adaptive images • Test the responsive website with different devices and browsers to ensure the outcome as expected

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	<ul style="list-style-type: none"> • Seek work sign off from stakeholders and facilitate rollout of the website <p>3. Exhibit professionalism</p> <ul style="list-style-type: none"> • Be current, updated and knowledgeable of trends of responsive web design • Apply industries best practices to implement responsive 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"> • Work with stakeholders to determine the requirements for the website • Perform sufficient research to identify suitable tools and methods for the creation of responsive website • Use suitable responsive web design techniques to create the responsive website that meets the organisation business needs and objectives
Remark	