



Australian Government

ICTWEB505 Develop complex web page layouts

Release: 1

ICTWEB505 Develop complex web page layouts

Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 1.0.

Application

This unit describes the skills and knowledge required to design and create a web page layout, to suit a range of devices and a variety of browsers, to industry standards.

It applies to individuals who work as web designers and web developers, have a highly developed understanding of design principles and apply technical skills proficiently, according to unique specifications.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Unit Sector

Web

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Build a web page according to the design prototype	1.1 Identify the main sections of the web page layout 1.2 Create the web page structure 1.3 Position web page elements to achieve the design specification
2. Ensure web page is validated and tested in major browsers	2.1 Validate the cascading style sheet (CSS) against industry standards 2.2 Correct browser incompatibilities, using the most robust techniques 2.3 Test the website in various browsers
3. Ensure website is	3.1 Check that the website is accessible, to ensure that it can be

ELEMENT	PERFORMANCE CRITERIA
accessible	viewed 3.2 Check website sections, to ensure accessibility 3.3 Check web page elements, to ensure accessibility

Foundation Skills

This section describes language, literacy, numeracy and employment skills incorporated in the performance criteria that are required for competent performance.

Skill	Performance Criteria	Description
Reading	1.1, 1.3, 2.1, 3.1, 3.2, 3.3	Critically analyses specifications and other documentation from a variety of sources, and consolidates information, to determine requirements
Writing	1.2, 1.3	Develops clear and well-organised technical material for specific audiences, using precise language to convey explicit information
Numeracy	1.3	Takes measurements and performs calculations, for the web page layout
Navigate the world of work	2.1	Takes full responsibility for following policies, procedures and industry standards
Get the work done	1.1, 1.2, 2.2, 2.3, 3.1, 3.2, 3.3	- Accepts responsibility for planning and sequencing complex tasks and workload, negotiating key aspects with others, and taking into account capabilities, efficiencies and effectiveness - Applies systematic and analytical decision-making processes for complex and non-routine situations - Uses and investigates new digital technologies, and applications, to manage and manipulate data, and communicate effectively with others, in a secure and stable digital environment

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTWEB505 Develop complex web page layouts	ICAWEB505A Develop complex web page layouts	Updated to meet Standards for Training Packages	Equivalent unit

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2>

Assessment Requirements for ICTWEB505 Develop complex web page layouts

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Performance Evidence

Evidence of the ability to:

- develop a complex website layout
- layout page elements to suit a variety of devices
- test web pages in a variety of browsers
- validate the pages against industry standards.

Note: If a specific volume or frequency is not stated, then evidence must be provided at least once.

Knowledge Evidence

To complete the unit requirements safely and effectively, the individual must:

- explain the principles of web site design
- describe and apply the following in web site design:
 - hypertext markup language (HTML) and extensible hypertext markup language (XHTML)
 - cascading style sheet (CSS)
 - hypertext transfer protocol (HTTP)
 - techniques to correct browser incompatibilities
- outline World Wide Web Consortium (W3C) standards, and explain their application to web design.

Assessment Conditions

Gather evidence to demonstrate consistent performance in conditions that are safe and replicate the workplace. Noise levels, production flow, interruptions and time variances must be typical of those experienced in the website technologies field of work, and include access to:

- a computer
- an aesthetic presentation brief
- a variety of browsers
- the internet, to validate web pages against the W3C.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

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