



Australian Government

ICTWEB444 Create responsive website layouts

Release: 2

ICTWEB444 Create responsive website layouts

Modification History

Release	Comments
Release 2	This version first released with ICT Information and Communications Technology Training Package Version 7.2. Version created to correct typographical error in the knowledge evidence.
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 6.0.

Application

This unit describes the skills and knowledge required to scope web page requirements and to create and implement designs according to client requirements. Clients in this instance refers to internal and external individuals.

The unit applies to individuals working as web designers and web developers, who apply a wide range of knowledge and skills in basic web development for internal and external clients.

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. Identify main layout sections from design specification	1.1 Identify website scope, functionality and design specifications according to business requirements 1.2 Consult with clients and confirm required sections of web page 1.3 Create web page structure according to organisational procedures

ELEMENT	PERFORMANCE CRITERIA
2. Layout web page according to design specification	2.1 Select and position document elements 2.2 Style web page elements according to design specifications
3. Test and validate layout	3.1 Test website in multiple browsers and devices 3.2 Debug website and confirm website is secure according to cyber security procedures and protocols 3.3 Validate web pages against applicable web design industry standards 3.4 Obtain client feedback and amend layout as required 3.5 Seek confirmation with required personnel and obtain client sign-off

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

SKILL	DESCRIPTION
Learning	Identifies and explores, connections between ideas and methodologies and extends knowledge of requirements
Reading	Identifies and interprets textual information and determines and adheres to requirements
Writing	Develops clear and well-organised material for a specific audience and conveys explicit information and requirements using precise language
Numeracy	Takes measurements and performs web page layout calculations
Self-management	- Identifies and acts on issues contravening applicable industry standards - Takes responsibility for planning, sequencing and prioritising tasks and own workload
Problem-solving	Addresses less predictable problems and initiates standard procedures in response to these problems, applying problem-solving processes in determining a solution
Technology	Uses familiar digital technologies and systems to access information, search and enter data and code, present information and communicate with others, cognisant of data security and safety

Unit Mapping Information

Supersedes and is equivalent to ICTWEB414 Design simple web page layouts.

Links

Companion Volume Implementation Guide is found on VETNet -

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

Assessment Requirements for ICTWEB444 Create responsive website layouts

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Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- design a web page according to client design specifications.

In the course of the above, the candidate must:

- lay out page elements and style accordingly
- test web pages on at least two browsers and at least two devices
- obtain client sign-off.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- standard web design principles
- principles and components used in website development:
 - cascading style sheets (CSS)
 - hypertext transfer protocol (HTTP)
 - a markup language, including hypertext markup language (HTML)
 - web libraries
 - web frameworks
- web design and development standards, including:
 - organisational standards
 - World Wide Web Consortium (W3C) standards

- Web Content Accessibility Guidelines (WCAG)
- cyber security procedures and protocols.

Assessment Conditions

Skills in this unit must be demonstrated in a workplace or simulated environment where the conditions are typical of those in a working environment in this industry.

This includes access to:

- required hardware and its components
- client design specifications brief
- a variety of browsers and digital devices
- required libraries and frameworks
- website testing and debugging tools
- the internet
- required web design software.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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