Australian Government

Department of Education, Employment and Workplace Relations

ICAWEB409A Develop cascading style sheets

Release: 1

INDUSTRY
SKILLS
COUNCILS
Creating Australia's Future

ICAWEB409A Develop cascading style sheets

Modification History

Release	Comments
Release 1	This Unit first released with *ICA11 Information and Communications Technology Training Package version 1.0*

Unit Descriptor

This unit describes the performance outcomes, skills and knowledge required to develop cascading style sheets (CSS) that are attached to a markup language document in order to externally define and control styles to enhance and achieve commonality between web documents.

Application of the Unit

This unit applies to web designers and web developers who are involved in the layout and appearance of web pages.

Licensing/Regulatory Information

No licensing, legislative, regulatory or certification requirements apply to this unit at the time of endorsement but users should confirm requirements with the relevant federal, state or territory authority.

Pre-Requisites

Not applicable.

Employability Skills Information

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Element	Performance Criteria
Elements describe the essential outcomes of a unit of competency.	*Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.*

Elements and Performance Criteria

1. Format, style and lay out the elements on a web page	1.1 Obtain user requirements 1.2 Style elements of a web page using a CSS 1.3 Apply CSS style sheets to multiple pages in a website 1.4 Position document elements using CSS
2. Test and validate web pages	2.1 Test website in various *browsers* 2.2 Validate the CSS against *industry standards* 2.3 Report result of tests to *appropriate person*

Required Skills and Knowledge

This section describes the skills and knowledge required for this unit.

Required skills

- analytical skills to identify appropriate CSS rules to be applied to obtain desired result
- communication skills to liaise with end users
- initiative and enterprise skills to recommend design features
- literacy skills to:
    - follow documented instruction from a supplied guide
    - interpret workplace instructions and other technical documents
- numeracy skills to work with:
    - document element dimensions
    - relative and absolute measurements
- planning and organisational skills to:
    - create the CSS in allocated timeframe
    - plan the layout of the web page
- problem-solving skills to:
    - create web pages that function in a variety of screen resolutions
    - resolve browser incompatibilities
- research and literacy skills to keep up-to-date with latest industry guidelines
- technical skills to:
    - produce valid accessible web pages
    - use CSS in the most efficient and effective way.

Required knowledge

- overview knowledge of standard web and CSS design principles
- detailed knowledge of:
    - hypertext transfer protocol (HTTP)
    - markup language (HTML, XHTML)
    - web standards.

Evidence Guide

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Overview of assessment	
Critical aspects for assessment and evidence required to demonstrate competency in this unit	Evidence of the ability to: • develop a website styled and formatted using CSS to user requirements • lay out page elements using CSS • test web pages in a variety of browsers • validate the CSS against industry standards.
Context of and specific resources for assessment	Assessment must ensure access to: • a computer • aesthetic presentation brief • variety of browsers • HTML documents to have CSS applied to them • internet access to validate the CSS against the World Wide Web Consortium (W3C) • appropriate learning and assessment support when required. Where applicable, physical resources should include equipment modified for people with special needs.
Method of assessment	A range of assessment methods should be used to assess practical skills and knowledge. The following examples are appropriate for this unit: • verbal or written questioning to assess candidate's knowledge of CSS rules and how they affect the document styling and layout • evaluation of candidate's created and modified web pages styled using CSS.
Guidance information for assessment	Holistic assessment with other units relevant to the industry sector, workplace and job role is recommended, where appropriate. Assessment processes and techniques must be culturally appropriate, and suitable to the communication skill level, language, literacy and numeracy capacity of the candidate and the work being performed. Indigenous people and other people from a non-English speaking background may need additional support. In cases where practical assessment is used it should be

	combined with targeted questioning to assess required knowledge.

Range Statement

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

Browsers may include:	• Google Chrome • Firefox • Safari • Internet Explorer • Konqueror • Lynx • Mozilla • Netscape Navigator • Opera.
Industry standards may include:	• W3C • Web 2.0.
Appropriate person may include:	• client • manager • supervisor.

Unit Sector(s)

Web

Innovation and Business Skills Australia