



Australian Government

ICTWEB431 Create and style simple markup language documents

Release: 1

ICTWEB431 Create and style simple markup language documents

Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 4.0.

Application

This unit describes the skills and knowledge required to design and create basic markup language documents and cascading style sheets (CSS) in order to define the structure and style of a website.

It applies to individuals in ICT roles who are required to create web pages with consistency in appearance and user experience.

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. Review the requirements	1.1 Review user requirements to determine website design 1.2 Develop testing approach and test cases based on requirements and refine with user 1.3 Select appropriate markup language based on user requirements
2. Create the document structure	2.1 Create and assign basic elements of documents based on user requirements 2.2 Mark-up sections of documents to depict structure and refine with user
3. Format, style and lay	3.1 Style and format documents using CSS according to user

out the elements on a web page	requirements 3.2 Lay out document elements using CSS according to user requirements
4. Test and validate the web pages	4.1 Test website in different browsers according to test approach and cases, and correct and re-test issues 4.2 Document test results and provide to user to explain any outstanding issues and corrective actions 4.3 Recommend, agree, and undertake any outstanding corrective actions with the user to achieve user acceptance

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
Reading	Identifies, interprets and uses information from technical and organisational documents to complete a work task
Writing	- Develops content in a manner that supports and conveys information, using the appropriate structures and specialised language - Uses specific software and technical language to create, format, review, save and access web-based documents, diagrams and images
Oral Communication	- Identifies work outcomes through open-ended questioning, active listening, paraphrasing and summarising - Uses clear and detailed verbal language in order to convey explicit information
Navigate the world of work	- Understands own role and responsibilities, and follows organisational standards - Completes work to user requirements and industry standards
Get the work done	- Sequences and schedules complex activities within the specified timeframe, monitors implementation, and manages relevant communication - Analyses documentation in order to apply and obtain desired results, and to resolve problems - Utilises a combination of lateral and analytical thinking, to design and refine solutions that are adaptable to different contexts - Uses a range of digitally-based technologies, and the software packages and hardware required

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTWEB431 Create and style simple markup language documents	N/A	New unit	No equivalent unit

Links

Companion Volume Implementation Guides are available from VETNet -

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

Assessment Requirements for ICTWEB431 Create and style simple markup language documents

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Performance Evidence

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

- Interpret and implement one set of user requirements, including the ability to
 - select markup language according to requirements
 - use a markup language without the automated generation of code
 - customise website style and layout according to user requirements
 - create consistent style and format using CSS across multiple documents on the web page
 - identify testing approach and test cases based on user requirements
 - develop a website style and format using cascading style sheets (CSS)
- Test website in at least two common browsers and take corrective action according to test results
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Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements and performance criteria of this unit. This includes:

- Markup languages and their associated standards, advantages, and disadvantages
- Standard web and CSS design principles
- Application of the following to CSS:
 - hypertext mark-up language (HTML)
 - extensible hypertext mark-up language (XHTML)
 - standards for design
- Hypertext transfer protocol (HTTP) and HTTP Secure (HTTPS)
- Testing tools and processes and associated advantages and disadvantages
- Troubleshooting processes relating to CSS and websites
- Features and limitations of common web browsers

- Organisational procedures to document test results
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Assessment Conditions

Skills must be demonstrated in a workplace or simulated environment where conditions are typical of those in an ICT working environment or workplace. This includes, but is not limited to:

- Software package
- Computer with internet connection
- User requirements relating to website
- Common web browsers to allow testing of website
- Individual users

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

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