

Create dynamic web pages for digital content

Overview

Digital content professionals apply skills in design, coding and multimedia editing, using a mix of technology tools and platforms to create and publish digital content, including layout, text and graphics to web pages.

This standard includes the use of mark-up and scripting languages to create web pages incorporating Cascading Style Sheets (CSS) to set the visual style of web pages. It also includes session management, testing, security and the integration of web apps into a website to provide the required functionality.

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Performance criteria

You must be able to:

1. Establish the purpose of the web pages based upon its target customers
2. Discuss and agree with the customer the functionality that the web pages must provide
3. Design layouts and templates for the web pages to be developed
4. Review and incorporate reusable components into the coding as applicable
5. Apply Cascading Style Sheets (CSS) to format and style web page layout according to a design specification
6. Create the programming code to define the web pages to meet business requirements
7. Develop website security requirements for web site access with the customer
8. Configure server security and verification of user identity to comply with organisational security policies
9. Debug and troubleshoot coded web pages in line with organisational requirements
10. Validate and test coded web pages for specified browsers and resolve browser incompatibilities
11. Create code for web session management in line with security practices
12. Prepare documentation ****for the web *pages *in line ****with organisational guidelines

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Knowledge and understanding

You need to know and understand:

1. The fundamentals of website design and accessibility
2. The basic syntax of web page mark-up languages
3. The factors involved in creating and applying Cascading Style Sheets (CSS) to position and format web layout and content
4. The procedures to follow when creating web pages using mark-up languages
5. The ways in which links and images can be incorporated within web pages
6. The need to detect the client-side browser to determine browser compatibility
7. File referencing and how to publish to the web server
8. The main uses of web scripting languages
9. The mechanisms used for web page validation
10. Common algorithms that can be applied for sorting and searching
11. Scripting language features are used to respond to user and program-generated events
12. The purpose of web session management
13. The use of tables for display and web page layout
14. The standards and policies relating to website server and protocol security

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