



Australian Government

CUADIG401 Author interactive media

Release: 1

CUADIG401 Author interactive media

Modification History

Release	Comments
Release 1	This version first released with CUA Creative Arts and Culture Training Package version 2.0.

Application

This unit describes the skills and knowledge required to author a complete interactive media product, for example, an entire website.

It applies to individuals who apply sound knowledge of mark-up and scripting languages to develop templates, themes styles sheets, forms and form objects for programmers and the technical support team. They may also use a variety of authoring software used to produce complex interactions such as digital simulations, games and puzzles. They work primarily on client-side technologies.

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

Unit Sector

Visual Communication – Digital Content and Imaging

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 multimedia elements	1.1 Assess design specifications to determine technical and creative objectives of the project 1.2 Locate and assess content required for production 1.3 Discuss issues of integration and formats of media assets with relevant personnel, and confirm production timelines 1.4 Determine, with relevant personnel, an interactive sequence to become the prototype
2. Identify scope of	2.1 Identify a range of industry-standard authoring software and

ELEMENT	PERFORMANCE CRITERIA
authoring software	assess in relation to specified delivery platform 2.2 Discuss suitability of authoring software to meet specified outcomes with relevant personnel 2.3 Select authoring software to meet production requirements
3. Use authoring software	3.1 Load authoring software and create a file directory structure for the specified task and name using standard industry or enterprise naming conventions 3.2 Display and use tools and features of authoring software relevant to the authoring process 3.3 Adopt safe ergonomic practices when using screens and keyboards for extended periods of time.
4. Create interactive sequence	4.1 Slice and reassemble the user interface appropriate to the authoring software 4.2 Import and assemble components in appropriate sequence according to creative requirements 4.3 Create interactive features according to creative and technical requirements, sourcing and writing appropriate mark-up and scripting languages as required 4.4 Check that interactive sequence conforms to navigation design 4.5 Integrate media assets to optimum levels of technical performance 4.6 Check interactive sequence conforms to loading specifications 4.7 Test for interoperability and accessibility, eliminate all bugs and validate scripting 4.8 Present interactive sequence as a prototype ensuring sequence meets creative, production and technical requirements 4.9 Save output file formats and identify for specified purpose
5. Evaluate interactive prototype	5.1 Present prototype to relevant personnel 5.2 Evaluate prototype against design specifications, including achievement of a creative and user-centred product 5.3 Discuss and agree on any required changes and make adjustments to prototype 5.4 Assist in user testing as required 5.5 Evaluate feedback from user testing 5.6 Seek confirmation from relevant personnel to transform prototype into final product

ELEMENT	PERFORMANCE CRITERIA
6. Finalise interactive media product	6.1 Make necessary changes as indicated by user testing 6.2 Replicate prototype functionality to complete the interactive product 6.3 Make final checks to ensure sequences conform to design specifications 6.4 Test for interoperability and accessibility, eliminate bugs and validate scripting 6.5 Save to specified storage system accessible to production team 6.6 Assist in loading product to specified platform as required

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, 1.2, 3.1, 4.2-4.4, 4.6-4.9, 5.2, 5.5, 6.1, 6.3, 6.4, 6.5	- Selects and applies a range of reading strategies to interpret design and technical requirements - Reviews and interprets feedback from user trials to enable completion of final product - Validates scripting to ensure accurate operation of interactive media - Locates correct folders for logical storing of electronic data to assist with production
Writing	3.1, 4.3, 4.9, 6.5	Creates a range of texts incorporating specific scripting language, mark-up and standard file naming conventions
Oral Communication	1.3, 1.4, 2.2, 4.8, 5.1-5.6	Uses clear language, questioning and listening techniques to specify and discuss interactive prototypes and final product
Navigate the world of work	3.3	Complies with legislative responsibilities
Interact with others	1.3, 1.4, 2.2, 4.8, 5.1-5.6	Uses appropriate communication practices and protocols to confirm requirements and present prototypes to a range of personnel
Get the work	1.1-1.4, 2.1-2.3, 3.1,	Takes responsibility for managing a range of tasks

done	3.2, 4.1-4.9, 5.1-5.6, 6.1-6.6	concurrently to produce an interactive prototype and final product which meets creative, production and technical requirements • Applies evaluation and diagnostic tests to identify necessary adjustments • Uses authoring and graphics software to create, test, evaluate and adjust interactive prototypes • Identifies, saves and stores final prototypes in digital format
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Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
CUADIG401 Author interactive media	CUFDIG401A Author interactive media	Updated to meet Standards for Training Packages. Minor edits to elements and performance criteria to clarify intent.	Equivalent unit

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=1db201d9-4006-4430-839f-382ef6b803d5>

Assessment Requirements for CUADIG401 Author interactive media

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Performance Evidence

Evidence of the ability to:

- discuss and determine requirements for an interactive media product
- use authoring software to create logical file directory structures and build a prototype of an interactive media product
- evaluate and incorporate feedback from user testing to the prototype
- use authoring software to develop a fully functional interactive media product that:
 - conforms to design and creative requirements specifications
 - meets accessibility and interoperability 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 technical requirements for integrating media assets (video, audio, animation, images) for use on a range of delivery platforms
- describe interoperability and accessibility standards used in interactive media product design
- explain the purpose and process of script validation
- outline basic health and safety requirements when working on computers and keyboards.

Assessment Conditions

Assessment must be conducted in a safe environment where evidence gathered demonstrates consistent performance of typical activities experienced in creative arts industry environments. The assessment environment must include access to:

- design specifications

- sample content including a range of media assets
- authoring software
- software manuals and other relevant information.

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

Links

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