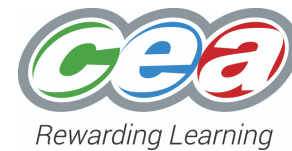


GCSE Digital Technology

Controlled Assessment Guidance

November 2021



Unit 3 - Digital Authoring Practice - Multimedia:

The drafting of planning tasks may be completed outside the allocated controlled assessment hours. The level of detail in work completed should reflect the marks awarded for each task.

GDG31 - Unit 3: Digital Authoring Practice

Task 1 – Designing the multimedia and database solution using appropriate tools:

- Multimedia planning: The master page should include all generic design features that are to be implemented (third party) through the proposed website. This should include colour scheme, font details, navigation, company logo, for example
- For remaining webpages basic wireframes should be planned, including video/animation, scripted/accessibility features.
- Rather than the focus on the quantity of storyboarding, candidates should focus on the quality and detail of storyboards
- Database planning: One example of query, form, report planning is a requirement.
- Wireframes are not required for database planning.
- Remaining database planning should follow a text or tabular structure for table, form, query, report and macro design, to reduce duplication of design evidence.
- Candidates should focus on the planning of complex queries (two or more criteria), rather than a series of simple queries
- Focus should be on planning advanced features used in reports (grouping, sorting and calculations).
- Prototyping - 'marking up' of prototype amendments and feedback could be applied to wireframes in a different font colour.
- Separate drafts of prototyping are not required.

Task 2 – Building the multimedia and database solution:

- Website scripted elements may include: form validation, slideshow, animation, login, CSS, colour (hex), etc. These suggested elements are not all required and alternative elements are acceptable.
- Website accessibility elements may include: browser settings, plugins (downloads), speech, magnification, Alt tags, etc. These suggested elements are not all required and alternative elements are acceptable.
- Database solutions should be implemented from the design document, with focus on the depth of complex queries and reports (grouping, sorting and calculations).

Task 3 – Testing the database solution:

- Testing strategies should include a range of valid, invalid and extreme data.
- No requirement for an excessive test plan, duplicate testing should be avoided.
- No screenshots required as evidence and should not be included.
- Screenshots are required for corrective action.

Task 4 – Evaluating the multimedia and database solution:

- Candidates should structure their evaluation logically in terms of the extent to which the user requirements have been met: **fully met, partially met or not met.**
- Candidates should evaluate their solution, using appropriate language. A summary of strengths, weaknesses and improvements, rather than descriptive comments are required.
- Emphasis should be on performance and robustness issues, with refinements/improvements clearly identified.

GDG51 - Unit 5: Digital Authoring Practice

Task 1 – Design a solution using appropriate tools:

- User requirements should be developed and interpreted, not extracted directly from the task.
- Planning tasks may follow a tabular structure, with the remaining design components completed with flowcharts and pseudo code.
- Prototyping - 'marking up' of prototype amendments and feedback could be applied to storyboards in a different font colour. Separate drafts of prototyping are not required.

Task 2 – Building a solution:

- Program usernames and passwords must be noted on the eCandidate record sheets, to aid the moderation process.
- All solutions should be fully annotated.

Task 3 – Testing the solution:

- Test plans should be well structured, in tabular format (showing tests, expected outcome, actual outcome and fixes).
- Testing strategies should include (black and white box testing) and include valid, invalid and extreme test data.
- No screenshots required as evidence and should not be included.
- Screenshots are required for corrective action.

Task 4 – Evaluating the solution:

- Candidates should structure their evaluation logically in terms of the extent to which the user requirements have been met: fully met, partially met or not met.
- Candidates should evaluate their solution, using appropriate language. A summary of strengths, weaknesses and improvements, rather than descriptive comments are required.
- Emphasis should be on performance and robustness issues, with refinements/improvements clearly identified.