

Mark Scheme (Results)

Pearson Edexcel Level 2 Certificate
in Digital Applications

Unit 5: Coding for the Web

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General Marking Guidance

- All candidates must receive the same treatment. Examiners must mark the first candidate in exactly the same way as they mark the last.
- Mark schemes should be applied positively. Candidates must be rewarded for what they have shown they can do rather than penalised for omissions.
- Examiners should mark according to the mark scheme not according to their perception of where the grade boundaries may lie.
- There is no ceiling on achievement. All marks on the mark scheme should be used appropriately.
- All the marks on the mark scheme are designed to be awarded. Examiners should always award full marks if deserved, i.e. if the answer matches the mark scheme. Examiners should also be prepared to award zero marks if the candidate's response is not worthy of credit according to the mark scheme.
- Where some judgement is required, mark schemes will provide the principles by which marks will be awarded and exemplification may be limited.
- When examiners are in doubt regarding the application of the mark scheme to a candidate's response, the team leader must be consulted.
- Crossed out work should be marked UNLESS the candidate has replaced it with an alternative response.

Activity 1: Build the website

Task	Response	Mark
Header	A background image is included in the header. It must be 1024x400px and undistorted (1) The image should be transparent with the opacity set as – {opacity:0.4} and/or {filter: alpha(opacity=40)} (1)	2
Navigation Bar	At least one functioning link is included to home, news and get in touch (1) . At least one image sprite for Facebook, Twitter or Pinterest has been included in the code to rollover appropriately (1)	2
Logo	The correct logo is positioned in the centre of the header – must retain its original proportions (1)	1
Audio	Audio is successfully embedded on the page (1) at a size of 400x75px (1) and with functional controls (1)	3
News	Three images have been included within the <i>News</i> section. Each image is 250x150px and not distorted (1) . The corresponding information has been copied from the INFO.rtf file and is positioned below the relevant image (1) . The background colour for the <i>News</i> section is #ccc and for the text boxes is #fff (1)	3
Feedback	A background image is included in the <i>Feedback</i> section – must be 1024x250px (1) . The feedback text is included (1) , box must have rounded corners set to 10px (1) and a 1px, solid, #000 border (1)	4
Get in Touch	All 3 icons (email, address and phone) are included within the <i>Get in Touch</i> section (1) with the corresponding information positioned right adjacent (1)	2
Footer	Logo resized in proportion to fit in to footer (1)	1
Page Layout	The left hand news box and the contact section both have a left margin set to 87px (1) . There is a margin of 50px between the news boxes and the contact details box and the form (in Get in Touch) (1)	2

Holistic marks

Writing and Editing HTML		
Level	Descriptor	Mark
	No rewardable material	0
Level 1	The <head> element of each page contains an appropriate <title> but the <meta> element may not be used appropriately. Some HTML elements are used on every page to describe the structure of the page e.g. <h1> to <h6>, <p>, and <hr /> tags, however, no clear hierarchy of information is evident on the pages. Some semantic information will also be evident on at least one page - e.g. <u>, or , <i> or , <blockquote> or <q> tags - to provide emphasis. HTML lists - ordered and/or unordered - are used accurately, but definition lists may not be written appropriately. Most of the links - internal, external, email and to other parts of the same page - are functional. Most of the images are in proportion, compressed and in an appropriate format.	1-2
Level 2	The <head> element of each page contains an appropriate <title> and at least one <meta> element is used appropriately e.g. description or keywords. HTML elements are used on every page to describe the structure of the page e.g. <h1> to <h6>, <p>, and <hr /> tags and a clear hierarchy of information is evident on at least one page. Some semantic information will also be evident on the pages - e.g. <u>, or , <i> or , <blockquote> or <q> tags - to provide emphasis. HTML lists - ordered, unordered and/or definition - are used accurately. All of the links - internal, external, email and to other parts of the same page - are functional. All images are in proportion, compressed and in an appropriate format. Some images will be inline and not presented as block elements and some images will adopt the <figure> and <figcaption> elements. id and/or class attributes are used within the site.	3-4
Level 3	The <head> element of each page contains an appropriate <title> and <meta> elements are combined e.g. description, keywords, author. HTML elements are used on every page to describe the structure of the page e.g. <h1> to <h6>, <p>, and <hr /> tags and provide an effective hierarchy of information on every page. Some semantic information will also be used effectively - e.g. <u>, or , <i> or , <blockquote> or <q> tags - to provide appropriate emphasis. HTML lists - ordered, unordered and/or definition - are used accurately. All of the links - internal, external, email and to other parts of the same page - are functional. All images are in proportion, compressed and in an appropriate format. Most images will be inline - not presented as block elements - and adopt the <figure> and <figcaption> elements. id and class attributes are used consistently throughout the site.	5-6

Writing and Editing CSS		
Level	Descriptor	Mark
	No rewardable material	0
Level 1	<p>Students will have attached a style sheet (internal or external) to:</p> <p>style text (headings, sub headings and body copy) in the same way e.g. typeface, size, style, colour, alignment</p> <p>style boxes e.g. width and height, border (colour, width and style)</p> <p>style links consistently e.g. link, visited, hover and/or active</p> <p>style images e.g. size and alignment</p>	1-2
Level 2	<p>Students will have attached an external style sheet to:</p> <p>create a layout that resembles the wireframe</p> <p>create different styles for the text elements (headings, sub headings, body copy, captions, quotations) and apply them consistently on different pages e.g. typeface, size, style, colour, alignment, line height, text decoration</p> <p>style boxes e.g. width and height, border (colour, width and style), margin and padding</p> <p>style links consistently on each page e.g. link, visited, hover, focus and/or active or includes images for links</p> <p>style images e.g. size, alignment, background images</p>	3-4
Level 3	<p>Students will have attached an external style sheet to:</p> <p>create a layout that matches the wireframe</p> <p>create different styles for the text elements (headings, sub headings, different parts of the body copy, captions, quotations) and apply them consistently throughout the site e.g. typeface including use of the @font-face rule, size, style, colour, alignment, line height, text decoration, text transformation, letter and word spacing</p> <p>style boxes consistently e.g. width and height, border (colour, width and style), overflow, opacity, gradients, drop shadows, rounded corners, margin and padding</p> <p>style links consistently on each page e.g. link, visited, hover, focus and/or active or includes image sprites</p> <p>style images e.g. size, alignment, background images (repeat, attachment, position)</p> <p>style lists e.g. type, image, position, style</p>	5-6

Creating Forms – HTML, CSS & JavaScript		
Level	Descriptor	Mark
	No rewardable material	0
Level 1	The form may only contain one of the required fields as specified in the wireframe with appropriate form controls or contain the specified fields but without any of the appropriate form controls to make it operational. The form will bear no resemblance to the style of the wireframe and there will be no working JavaScript validation	1-2
Level 2	The form contains most, of the required fields as specified in the wireframe but not all of the form controls will have been applied appropriately, the style of the form will match some aspects of the wireframe e.g. background colour and some aspects of the JavaScript validation will work	3-4
Level 3	The form contains the required fields as specified in the wireframe, has the correct form controls, has been styled to match the wireframe and has fully functioning JavaScript validation	5-6

Writing JavaScript		
Level	Descriptor	Mark
	No rewardable material	0
Level 1	Although the JavaScript code will not produce an outcome to meet any of the client's requirements, some attempt at writing JavaScript has been made and some aspects of the coding are accurate	1-2
Level 2	Although the JavaScript code may not execute all of the client's requirements, it is accurate enough to produce a response that partially meets the client's requirements	3-4
Level 3	Accurate JavaScript has been written, either embedded on the page or linked to an external JavaScript file, to execute the client's requirements as specified in the client brief	5-6

Incorporating Interactive Elements through JavaScript		
Level	Descriptor	Mark
	No rewardable material	0
Level 1	Although not all of the HTML, CSS and JavaScript code will have been edited appropriately, some aspects of the code will be correct but significant errors will have been made e.g. the JavaScript files will not be linked within the source code, the JavaScript is edited incorrectly or the HTML code contains errors. These errors will mean that the interactive element(s) will not function as intended in a web browser.	1-2
Level 2	The interactive element(s) have been incorporated onto the page(s) i.e. the links to the JavaScript files are corrected inserted into the source code. However, the JavaScript and/or the HTML and CSS code have not been edited to meet the client's requirements. The element(s) function in the web browser but not according to the requirements of the client brief.	3-4
Level 3	The interactive element(s) have been incorporated onto the page(s) according to the requirements of the client brief i.e. the links to the JavaScript files are corrected inserted into the source code, the JavaScript has been edited as required and the HTML and CSS code are edited to meet the client's requirements. The element(s) function as intended in the web browser.	5-6

