CREATIVE DIGITAL MEDIA PRODUCTION | PEARSON BTEC FIRST (LEVEL 1/2)

Unit 6: Website Production

Resource Pack for BTEC Level 1 / Level 2 in Creative Digital Media Production

Zig Zag Education



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Teacher's Introduction

This resource has been designed to cover the content in Pearson BTEC Level 1 / Level 2 (First) in Creative Digital Media Production specification for *Unit 6: Website Production*.

It contains information sheets containing all of the key theory for each Learning Aim, in the same order as the Unit 6 specification. Interspersed throughout the theory are objectives, key terms, questions and tasks.

In addition to the information sheets are the following:

- Practical Task a scenario-based task requiring learners to demonstrate the skills, knowledge and understanding of the unit to research, plan, produce, and test a website.
- Learner Checklist encourages learners to take control of their progress by helping them identify where they can improve. Can be used for both peer and self-assessment.
- *Crossword* a fun activity to reinforce the unit's key terminology.
- Worksheets and Templates included to help with practical work that learners will complete during the unit.

Suggested answers to each question in the information sheets, as well as the crossword solution, can be found on pages 43–44. *Please note that these are not exhaustive and there may be alternative acceptable answers*.

Important: All tasks in this resource are designed to provide **practice only**, and are **not** designed or intended as a way for learners to provide evidence for the unit.

November 2016

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* resulting from minor specification changes, suggestions from teachers and peer reviews, or occasional errors reported by customers

Aim A: Know the context and purpose

Objectives:

- ✓ To understand the basic framework and functioning of the Internet, World
- ✓ To be able to identify the range of different website types and their pur

WEBSITES IN CONTEXT

There is a common misconception that the Internet and the World Wide Whowever, they are not! The Internet was actually creased before the World between them is simple.

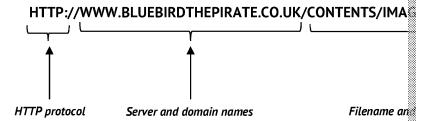
Internet

The Internet can best home river as a global network of interconnected send and receive the condata and converse with each other using a coprotoco (Table 1727/IP (Transmission Control Protocol / Internet Protocol)

When you use a device connected to the Internet you are first connected devices that share your connection (such as those within the same building Internet Service Provider (ISP), and then the global network of devices.

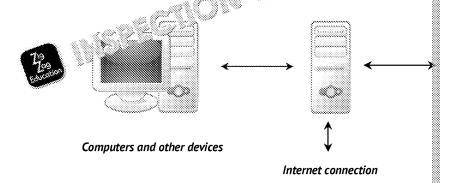
Devices use **URL**s (Uniform Resource Locators) to specify web pages on the browser. However, it's not only the web page that can be defined by the lapage other than the default index page, a file, image or application.

URLs are used on the web and utilise HTTP. A breakdown of URL construction shown below:



A server is a device that manages and controls the access and connection used to store data that can be accessed by permitted users who are connenetwork-connected device requests access to a specific file or directory who back over the network or approved.

The example below shows the use of a serv if our clocal network





World Wide Web

The World Wide Web (WWW) is a library of websites and the servers that hold the information displayed on these sites. This information is displayed with the use of a web browser which can display the content contained within a web page.

Web pages can display content such as:

- Text
- Images and graphics
- Audio
- Video and animation
- Interactive application content such as well-suid slideshows

A web page is recognised to the camifier 'www', and the domain (e.g. '.co endings as most to a sea we their own individual domain names in additional comme (e.g. '.com), non-profit organisations (e.g.) and other domain ones (e.g.)

A **hyperlink** is a method of embedding a URL within a html page that allows the user to navigate to the specified site by selecting it. There are two types of hyperlink: internal and external.

✓ Hyp emb pag nav

Key te

Internal hyperlinks are used to direct users to another web page or file within the website. Large websites can contain hundreds if not thousands of internal hyperlinks.

External hyperlinks direct users to web pages or files on a different websi

The main feature of hyperlinks is that they appear similar to standard tex and coloured (typically blue).

Are you up for the challenge?

If this job seems like something you would like to do then you email, Facebook, or alternatively visit out it is where you comployment advisors.

Exact z sh was now clickable hyperlinks appear when embeda

Information within other websites.

A list of results that most match the search criteria is then indexed and dimentioned, you could think of the WWW as a library; a search engine acts of websites and list the results depending on the query. Google is an example of the country of t



Web browsers

A web browser is a piece of application software that interprets and displays the **HTML** and **CSS** code that constitute a web page, such as layout, images and text.



Key t

C

US

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CO

p

They act as a graphical interface for users to *browse* the web, and although there are many different web browsers available (such as Mozilla Firefox and Google Chrome), there are subtle differences in the way that each interprets the code.

For this reason it is important that developers to be a less that they build across a range of difference between series.

It should be noted that the ware strement web browsers used across differential devices and the strement web browsers used across differential devices and the strement web browsers used across differential devices and the strement web browsers used across different web browsers used across differential devices and the strement web browsers used across differential devices and the strement web browsers used across different web browsers used across differential devices and the strement web browsers used across differential devices and the strement web browsers used across differential devices and the strement web browsers used across differential devices and the strement web browsers used across differential devices and the strement web browsers used across differential devices and the strement web browsers used across differential devices and the strement web browsers used across differential devices and the strement web browsers used across differential devices and the strement web browsers are strement web browsers.

Questions:

- 1. What is the name of the protocol that computers use to communicate
- 2. What's the difference between the Internet and the World Wide W
- 3. Suggest the purpose of a hyperlink. (1 mark)
- 4. Name three pieces of media content that can be included on a web
- 5. What does a web browser do? (1 mark)

WHY DO WE USE WEBSITES?

Websites are used for a variety of purposes depending on the content inc **audience**. These purposes are:

- **To entertain** the users through the content displayed. This is best definiteractive content for the user; for example, gaming sites.
- **To inform** through sites such as those operated by the government
- To educate, not only students but also those who desire to learn new example, DIY community forums, tutorials and e-learning websites.
- To persuade users to adopt a certain view or opinion such as those of This purpose also covers advertising as a method of persuasion.
- For e-commerce, where products and service ເຂົ້າ ຂ້ອງ advertised and sites are traditional retailers while ລ ກະເຮັງ ແລະ of sellers who operate example, Internet banking ເຂື້ອ ຂໍ້.
- For storage this in the sides that allow users to store, share and online the sides of th
- For the goal sites that primarily perform a social function of sharing view example, YouTube and SoundCloud.
- For social interaction websites that aim to promote discussion, connetworking. Examples range from Facebook to Internet forums.

The vast majority of websites usually perform a combination of purposes ranging user base, such as YouTube that also provides social interaction, educational resources.



Existing websites

Corporate websites

Corporate websites are used by businesses and individuals to promote the potential customers. There is a common range of features and customer represented on such sites:

- A clear summary of the service being offered.
- The unique qualities of the company that make it successful.
- Easily navigable site.
- Clear and precise contact information that tells the audience the phycommunication.
- External validation such as client testimonials a such and case studies other users and help to build trust. This is a commonly done through



Element Use Wickland Mample shown above the navigation is clear, and ea **Navigati** es led sections through the inclusion of a navigational bar at t n a category the user is directed towards additional informatio The layout is mostly weighted towards the top within this page Page layout information is displayed. The rest of the page employs a simple with text that aids the simple navigational properties of the sit The content included is all relevant to the subject, while being Content due to the nature of the service provided, any additional content personal basis through the communication channels. The overall presentation of the website comes across as profes Presentation partially achieved through the choice of images and a simple, c



E-commerce websites

E-commerce websites refer to shopping websites where a product, or numadvertised and sold to customers.

These websites also feature a number of elements similar to those of cor

- Clear and representative sample images of the products that are beir
- News, offers and featured products.
- Easily navigable site that allows users to find the products they want included.
- The ability to have a shopping cart where products can be added and
- Payment options that allow the user to easily pay for the products th
- Clear and precise contact information that the user the physical provides methods of communication. With the ps that have a physical locator that shows the near the physical locator that shows the near the physical locator.
- Trustmarks these and the second and the second as a second and the second and
- Clic degron in the form of feedback this reassures the user the the



Analysis of Amazon UK website (http://www.amazon.co.

- 1. Slideshow displays details of offers and featured pr
- 2. Sample range of different types of products that are a
- 3. Search field that allows the user to easily specify the pro
- 4. Shopping basket that updates with the number of prod



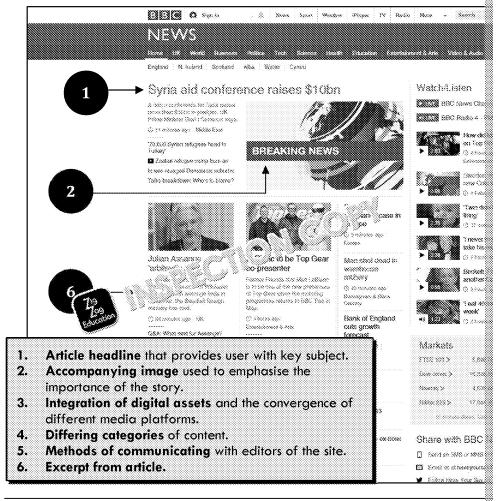
Element	Use	
	The large search bar is easily identifiable for the user, pro	
Navigation	navigation throughout the site. Additionally, the rows of i	
	simplified and easier than rows of descriptive text.	
	The layout is mostly weighted towards the top within this	
Page layout	information is displayed. The rest of the page employs a s	
	with text that aids the simple navigational properties of th	
	The prominence of images on this page leaves no room fo	
Content	factor in the selection of products. However, there is a 'qu	
Content	out lightbox that provides the user with additional inform	
	without navigating away from the page.	
Presentation	The overall presentation of the homes age is streamlined	
Fresentation	prominence of photographs ு ்ட்ட ec amount of text wi	
News websites		
News sites aim t	o ed a like withinform the audience about current popular	

News websites

News sites aim to educate morm the audience about current popular 🔊 national and international news), among a range of other 🕷 location

These information-providing sites usually feature:

- Eye-catching images and headlines that work in conjunction to draw the
- Excerpts from the most important or popular articles.
- A number of categories which users can use to narrow the field of ne
- Additional digital content such as videos and audio.
- Hyperlinks that provide access to similar and past articles about the
- The ability to share content through email and social media platform
- Opportunity for social integration, usually through the incorporation the article.
- Communication channels where users can report news to the editors





Element	Use
	The main navigational bar is clear, allowing the user to loo
Navigation	inclusion of a search field increases the accessibility of the
	found quickly.
	The page makes use of a sidebar to display the secondary a
Page layout	easily accessible. The main content is organised to display
	the top of the page with additional text and links to related
Content	The display of content on the home page provides the user
Content	understand the basis of the articles. Images are placed on t
Presentation	The presentation of content and allocation of individual co
Fresentation	titles aids the navigation of the site, while also appearing p
Task:	

Task:

a the Internet, identify and analyse two websites, h Using wo whe use of elements (navigation, page layout, content and p the genre

Choose from the following genres: social, entertainment, personal or education





Aim B: Know the technical requirements for w

Objectives:

- To understand the two different types of websites and how their constru
- ✓ To be able to understand and identify the components used to create a §

WHAT IS A WEBSITE AND HOW DOES IT WOR

In short terms, a website is a collection of interconnected web pages that allow users to interact with the content contained within. A website is use domain (or URL) and displays a range of content such a images and grap text and other interactive content such as flowing a second second

Static websites

A static website is one in the content remains stagnant and unrespondent or the content remains stagnant and unrespondent or the could be advantage uses where the content aren't needed; for example, a business we informated the services provided.

Although the vast majority of users won't be able to easily identify the diffuguamic website, there are a number of differences within their construct encoded using HTML and CSS.

HTML is used to define the content and layout of the web page. It consist code or words that are inserted between two angle brackets, one of which beginning of a tag (e.g.) and another which is 'closed' (e.g.) to sign

These tags are not displayed to the end user, they are interpreted by the how they're displayed.

This text is normal This text is bold This text is italic



Example showing the use of HTML tags and the display within a web browser.

CSS is used to define how content within the various HTML tags is display level, consists of the (1) the HTML entity and (2) all of the style's propertice contained within curly two brackets.

For example, the default formatting style for paragraphs could be set as f



Note that the constitution of properties can be assigned a value within a style remember to set ouse semicolons (;) to separate each pair of properties below, the different CSS properties are assigned values — can you tell with the constitution of the constitution o

p { text-align:center; font-style:italic;

Important: note the American English spellings of 'center', 'color' and 'gray' all because the words we are more used to in the UK – 'centre', 'colour' and 'grey'

It should be noted that CSS styles are usually all contained within one see HTML files. Although it's perfectly possible to put two conflicting statem cascading nature of the language means that only the last statement will



There are a number of advantages and limitations of creating a static web

	Advantages		Disadva
1	Easy to initially create.	X	Requires web expertise to co
1	Cheaper to develop.	X	Content can become stagnar
✓	Can be relatively cheap to host.	X	User navigation and usabilit
			technical limitations arising
		X	Increased possibility of mista

Dynamic websites

A dynamic website is where the information car is again depending on a retypes of user interaction, time and location. The satisfies can appear to charthe use of additional scripting of the last of additional scripting of the last of the last of additional scripting of the last of

Dynamic site of sea in situations where the content needs to be unews site new content would be added and immediately reflected forum.

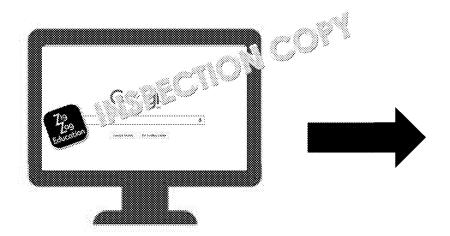
These websites function through the use of a database that stores the dat is a need for this data to be changed it is simple and quick for the webma

There are a number of advantages and limitations of creating a dynamic v

	Advantages	
	✓ Easy to update content.	X
ı	✓ Increased functionality and usability.	
	✓ The ability to add new content helps with search engine optimisation and the number of visitors.	x

Responsive websites

Although not specifically a type of site, responsive website layouts should core principle of modern website production. A responsive site is one whe depending on the size of the display – in this instance a site will reorgan mobile phone, tablet or other device, thus eliminating the need to zoom



Example showing the transition of a responsive website when viewed on a desk



Web developers are increasingly producing websites that are responsive in number of people who consume and interact with media content on devictablets.

Ouestions:

- 6. State the purpose of HTML. (1 mark)
- 7. What is the primary use of CSS? (1 mark)
- 8. a) What's the difference between a static and a dynamic website?
 - b) Provide an example of use for static and dynamic websites. (2
 - c) Suggest the possible benefits of developing a responsive websit

DESIGNING & Nessite: TECHNICAL AND CRESCONSICATIONS

When designing a website there are various considerations that must be to be categorised into technical, functional and creative considerations and be answered that could impact on the site's design:

- Who will be using the site? What computer expertise do they have?
- What will the site be used for? What purpose does it provide to the use
- Will the page design be related to the content?
- On what platform will the site mostly be used?
- Will the design and functionality be impacted by the target audience

File management

It is important to maintain file management and folder structure while denumber of reasons. Firstly, it ensures that the website functions as intendent and files are embedded within the code, meaning that changing the name to errors and disruptions as the files can't be found.

Additionally, good organisation means that files and folders are less likely. This is essential when working as part of a team within a commercial envit could save time and money.

When developing a website, there are a number of file types that are used

- The web pages, in a HTML format.
- A CSS file.
- Images that appear on the ្រៅ នីវែ
- Any other documerate media files, such as audio, video/animat

As previous in a site of the continued fund of a site of the right shows an example of file hierarchy that encourages organisation and structure.

- A master folder where all the files are stored.
- The CSS file and the HTML files of the individual web pages.
- Subfolders containing media files and documentation.

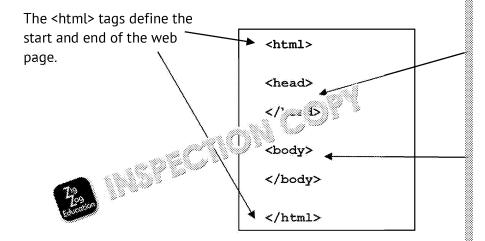




Web page structure

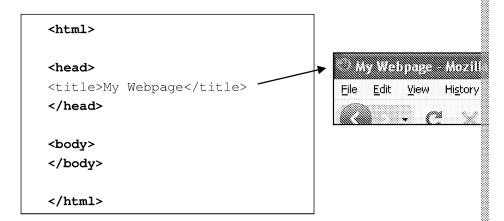
As previously discussed, HTML elements are defined by an opening tag (e.g. </html>).

However, there are a number of basic tags that must be assigned to all we



<head>

The head tag contains the metadata for the web page, including the page information visible to the end user within the title bar of the web browse below.



The head tag also contains information that describes the web page, help site and direct users to their search criteria:

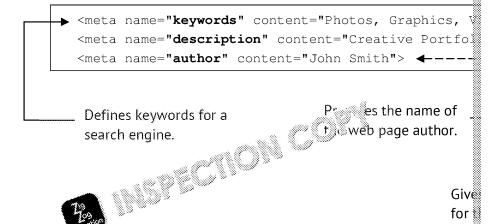
The head tag also provides a link to the external CSS file:

```
<head>
<link rel="stylesheet" type="text/css" href="t
</head>
```



<meta>

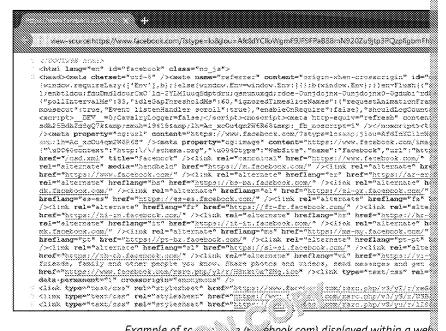
The meta tag contains the metadata of the web page, that is information search engine to find it. Although this information isn't displayed on the v user if required.



Give for 🛭

View web page code

It's also possible to view the source code of any website, which technical how the individual elements and properties are used to construct a site. available on all web browsers, just requiring the user to right-click and se menu (the keyboard shortcut CTRL + U also works on many browsers).



Example of sc 🦟 🤫 (rucebook.com) displayed within a web

Control of the visual content of web pages

'Page programs' describes the tags and the associated attributes that con

<body>

All other content, such as text and images are added between the two <b

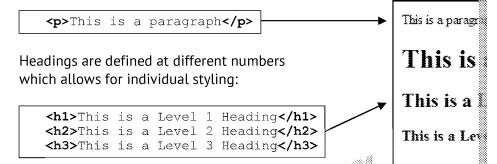
Although any text written between the tags will display on the page, ther tags used in order to define the purpose and type of text; for example, a

Using these correctly will help build a logical structure to your web page



and <h1>

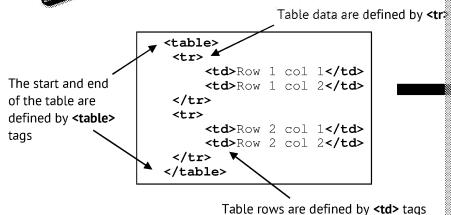
The p tag defines a paragraph:



Tables

Tables are extremely useful is they are used to display data and create a where elements real and properties into sections.





You can also add table headings using the tag.

Task:

Using the code learnt above, create the following table in a simple HTML appropriate tags. Save the resultant file as 'Table.html'.

		Student exam result
	Exam 1	Exam 2
John	80%(\$	30%
Mustafa	í z é	91%
Samantha	78%	54%

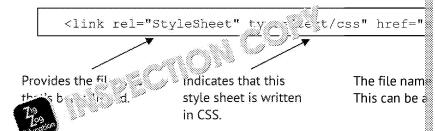


CSS – Cascading Style Sheets

CSS is used in order to style HTML tags and define the way that they are is usually linked to an external CSS style sheet, there are three additional outlined below:

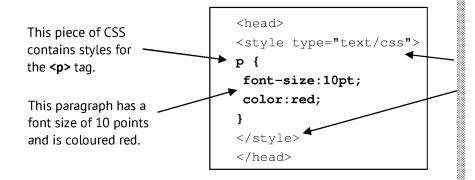
1. Link to an external style sheet

This is the most common method – writing the CSS on an external defined the website as a whole. This method requires the producer to insert to feach page, and holds the advantage that global website styles can



2. HTML nead input

This method is to directly input the CSS into the <head> tag of the H



The advantage of this method is that it allows different styles to be a Due to the cascading nature of CSS, you can specify more than one rules are applied chronologically, meaning that the last specified applied – effectively overriding any previous conflicting rules.

This method is useful if there are a small number of distinctive stylin of pages, although another method would be to create a secondary s

The disadvantage of this method is that it remains the opening and entire increasing the likelihood of making and extraorder to the content.

3. HTML tag input

With the CSS is inserted directly into the HTML tags as

<pre

This method is most useful when styling is required on a single elem



CSS styles are first defined by the HTML tag followed by an open curly brone. In-between the brackets the style attribute is specified first, followed and a semicolon.

```
p {
    padding: 50px 30px 50px
80px;
}
```

Example of a CSS padding style applied to a tag.

Task:

Using the file 'Table.html' from the was loss k, create <body> and <hean loss with the HTML file and colour elements of title. Save the CSS within the same location as the HTML.

Alignment

There are various methods that can be used to align elements using HTM

The CSS align syntax is used to align elements such as divs, images and to elements to be aligned to the left, centre or right.

```
This text is aligned to
the centre.
This

p {
   text-align: center;
}
```

A HTML tag and the related CSS alignment syntax.

Colours

Colour is usually applied to content using CSS and can be specified in thr

- A valid colour name There are 140 colour name supported by mod
- Hexadecimal (hex) values #ff0000 A ex sure represents the amore components of a colour: the suft of digits representing red, the following green.
- RGF () RGB stands for red, green and blue, and the values amula feach colour, that constitutes the overall colour.

Using colour names or their corresponding hexadecimal values are the mocolours when designing web pages. A useful page which maps the names seen at http://www.w3schools.com/colors/colors names.asp

Colour picker tools and swatches are also great for choosing colour scher



Hyperlinks

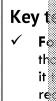
A hyperlink is a form of clickable text that links the user to another web pand underlined. An <a> tag is used to denote a hyperlink and first contain the text that the URL is 'hidden' behind.



Example showing a to nd as display as a hyperlin

Forms

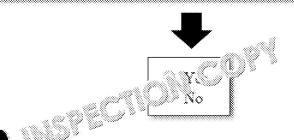
The <form> tag is us if you a form - an area that's used by users you and stored within a database. There are a variety of input elements that form areas for user input:



• **<input type="text">** defines the field for the user to input text and the name of the table within the database.

<input type="radio"> defines a radio button for the user to select a si

```
<form>
    <input type="radio" name="choice" value="yes">
        <input type="radio" name="choice" value="no">
        </form>
```



```
<select name="cheeses">
  <option value="cheddar">Cheddar</option>
  <option value="brie">Brie</option>
  <option value="edam">Edam</option>
  </select>
```



<input type="submit"> creates a button to send the data to the form-

<input type="submit" value="Submit</pre>



S

Task:

Using all of the information covering forms, create a form that requires the date of birth, age (from a selection of different ranges) and another variable

Ensure that you use all of the elements covered.

Additional task:

Research additional elems ເປັກຊີ ເວັດແປ be added to a form, and add them



'Web standards' refers to a set of guidelines and rules used to establish a design and coding. These standards are defined by the W3C (World Wide up by the web inventor Tim Berners-Lee in order to help develop rich and

Although HTML5 is considered to be the basis for web standards, these gimarkup languages:

- HTML5 the fifth revision of the language standard.
- CSS Cascading Style Sheets used to style HTML tags.
- SVG scalable vector graphics, an open XML-based vector image for interactivity and animation.
- WOFF Web Open Font Format, a font format that compresses the data
- XML Extensible Markup Language, a language used to store and treasily readable by both humans and machines.

Preparation

Web preparation involves the optimisation of files to ensure that the web effectively as possible. There are a number of factors that are involved with

- File size ensuring that file sizes are as small as possible without any r
- File compression only using file types that are web suitable
- File optimisation ordering files in a manner that allows them to be

Content / media file types

A file type or format is a metical in image information is stored (or compressed in the file).

Compre escribes the process of gaining an accurate representation of data at a reduced file size, without degrading the quality of the file to an unacceptable level.

The reduction in file size allows more files to be stored and reduces the time required for images to be sent or transferred over a network connection.

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Κe



Unit 6 Resource Pack (Website Production)

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There are a number of different file formats used for storing image data depending on its use, and the types supported by a computer can vary depending upon the software installed on it. Below are some of the most common image file formats used over the web:

- GIF Graphics Interchange Format (GIF) is widely supported online and commonly used for simple animations. However, GIF only supports up to 256 distinct colours and uses a technique to replace colours outside of this palette.
- JPEG Joint Photographic Experts Group (JPEG) in file type that was specifically developed for the applications and uses a lossy compression to images and used for storing and digital cameras and displaying images. The images and displaying images and the images are interest.
- PN The rtage Network Graphics (PNG) was originally developed to cold annels, full transparency and lossless compression.
 - However, standard PNG doesn't support animation a PNG format the Animated Portable Network Graphics (APNG).
- SWF Small Web Format (SWF) is a file type used to display video an Internet. It also supports sound and a degree of user interactivity throwhich allows it to be used for applications such as Internet browser

A number of different video formats are used across the Internet to allow The format used usually depends upon a range of factors such as the type expectation of quality.

- AVI Audio Video Interleave (AVI) is a container format developed by and audio. Advantages include its compatibility across a wide range eliminating the need for additional software. Additionally it produce supports audio and video streaming.
- MPEG4 Moving Images Picture Experts Group (MPEG4) is a widely that's designed to transmit audio-visual data, and can also combine that animation layers. One of the main advantages of using MPEG4 is that file-size videos. It is also widely supported across websites and Interpheld as one of the main formats used for sharing and uploading vide.
- MOV Apple QuickTime Movie (MOV) is a high pullity video format Windows and Apple platforms. It can be used a store audio, video, e
- RealVideo This format was mainly developed for streaming over the quality sound and video over a bandwidth connection. However it's rapplications and web pages and usually requires additional software
- FLV Flash Video (FLV) is a container format that is used to display the Internet. Depending on the user's bandwidth, the image quality could be used to be the defacto default for all embedded visit's no longer supported on Apple devices such as the iPhone.

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Below are listed a number of audio file formats that are used across the I

- MIDI Musical Instrument Digital Interface (MIDI) is a protocol used instruments and computer devices to communicate with one another. in the traditional sense, it records the series of musical notes that have then be used to construct the same melody on another device or instr
- RealAudio RealAudio is an audio format, which, like RealVideo, was streaming while boasting high-fidelity audio.
- *WAV* Waveform Audio File Format (WAV) is an audio format that is t format on the Windows operating system; however, it's supported acr systems and software applications.

As it employs a lossless compression mann there is no loss in audio

- WMA Windows Media A Way was originally developed by Mic MP3. It offers hic' and good compression, resulting in a Asida an the wantages there are a number of disadvantages ass its limited support over other platforms and operating syst
- MP3 Moving Picture Experts Group-2 audio layer 3 (MP3) is a popul small file size that makes it ideal for use across the Internet and portal speeds and storage space can be an issue.

As MP3 is a lossy format it results in a loss of audio quality.

An FLA file is another type of file format that is used as a master format f authoring software such as Adobe Flash. It consists of all of the elements however, an FLA file cannot be opened or played, it must first be exported file.

Task:

Research and compare the common uses, advantages and disadvantages c Worksheet **(A)** has been provided for you.

Questions:

- 9. What is compression? (2 marks)10. What are JPEG images 2 marks)
- 11. Give a use, adverning a militation of the FLV video format. (3 ma)





Preparing images

Within certain circumstances an image might need to be adjusted before it's uploaded onto a specific website or Internet application. This could be due to requirements such as file size or format.

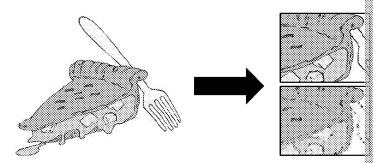
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✓ P
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The type of image should also be noted; a digital graphic can be represented in two ways: bitmap, also known as 'raster', and vector gra

Bitmap images are created by a series of tiny squares called **pixels**; each pixels then arranged in a pattern to form the desired image. If new joint perception of the overall image.

When a bitmap imag and a search individual also entering are clearly visible. This process is called pixelations aid to lated'.

Vector describes an image that is arranged by using a mathematical form geometric objects such as circles and polygons to create the complete imbetween vector and bitmap images is that vector images can be edited by lines that make up the image. When it is resized, the resultant image is id

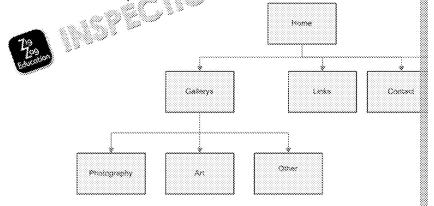


Example showing the enlargement of a vector and bitmap image.

Navigation

Navigation is a vital part of any website as it allows the user to explore the desired content. There is a range of features usually included on websites navigational experience and simplify movement.

• Sitemap: This is an interconnected list of all in a liable pages with similar to the index of a book. It can als ເຂົ້າ ພາະກຸໂayed as a diagram to connections between page



Example of a simple sitemap showing the different pages a



 Buttons: A button is a type of hyperlink hidden within an image that is states depending upon the mouse action; for example, changing colc clicked. Usually displayed as a simple geometric shape, it's commonly clickable element that performs a specific function within a web page.

A rollover is another type of button that changes in colour when the

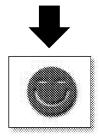


Example of a range web buttons.

• Image hyperlinks: These are similar to normal hyperlinks in that they specified URL; however, though on the appear as a clickable image rate.

An image tag within a hy

ref="http://www.smiley.com">
 <img src="smiley.gif" alt="Smiley central" ws
 height="42" border="0">



Accessibility

Within website production 'accessibility' refers to the process of ensuring the site is made available to disabled people who require assistance to be visually impaired.

The Web Content Accessibility Guidelines (WCAG) are a series of guideline by web developers that govern how web content should be made accession cover accessibility for the disabled, they also cover code that defines structural information such as text, images and accession.

WCAG are organised into four principal

- Perceivable users by the to perceive the information present
- Operable set be able to operate the interface effectively.
- Un the dable the user must be able to easily understand the info
- Robusers must be able to access the content even when technologies can perceive the content.

Text size is also important as an appropriate text size will reduce the nunzoom in to the content in order to see the text. This is of particular important as an appropriate text size will reduce the nunzoom in to the content in order to see the text. This is of particular important have a degree of low vision but not enough for them to consider the or other tools available.



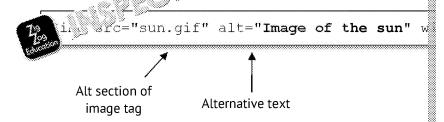
W3C recommends that text is styled using CSS as it's easier to maintain a font size to at least 1em or 100%.

There are also guidelines covering the use of colours to ensure that for pewho are colour blind, the legibility of text is still of high quality. The main users can still read text presented over the background, especially if the

There are a number of recommended factors to ensure that text can still be and has a contrast ratio of at least 4.5:1, with the exception of large-scale text.

With images there are two factors to be discussed:

Alternative text (alt) tags – These are showness ptions that accompanies assistive technology (such as a formula and, therefore, the user, the image.



 Blinking or flashing animations – These should be avoided, as content distracting for those with cognitive disabilities and flashing animation have the potential to cause issues for those with epilepsy.

For these reasons it's recommended that developers provide tools that all animated content displayed within web pages.

Questions:

- 12. Explain the differences between vector and bitmap image types? (4
- 13. State four features that encourage navigation around a website. (4
- 14. What is the purpose of WCAG? (1 mark)
- 15. Why is text size important when referring to website accessibility? (
- 16. What is the purpose of including the alt tag when defining images w

Key creative considerations

When designing a website there are a number of castive considerations, some that aim to make use of creativity to aid navigation and usals.

Aestheti aning beauty and artistic taste, covers a range of factors within web production.

Colour is a simple factor that has an immediate impact upon a user's opin colours can be used together for a variety of reasons; for example, to consincrease visibility of text and induce a reaction or emotional response.

Colour psychology refers to the common emotional response or association the **target audience** of the site, as factors such as age can influence the decomposition of the site.

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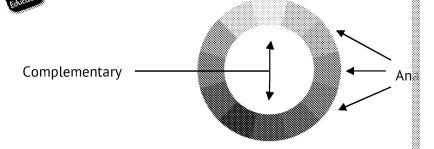
Common examples include:

- Pink as a traditionally feminine colour, used to symbolise love and ro
- Blue, as the colour of the ocean and the sky, is seen as constant in his sensation of trust and security. It's commonly used in communication
- Red to signify energy, warning and urgency. In the UK red road signs give orders.
- Green, as the omnipresent colour in the natural world, often symboli
- Orange can represent warmth, energy and friendliness.

Colour harmony is the arrangement of colours in a way that's pleasing to of visual balance and harmonious order.

There are a number of basic theories for the harmony

Analogous colours and a 12-part colour where colours are a 12-part colour where colour where colours are a 12-part colour where colour where colours are a 12-part colour where colours are a 1



Complementary colours are two colours that are directly opposite each of the name suggests, they are said to complement each other.

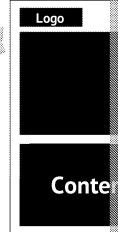
Lastly, a colour scheme can be set by nature – presenting a naturally occumhite and blue from the sky and clouds.

The layout of a site is also an integral part of the design process as it allowed order of how the user will consume the content displayed, and also helps

Listed below are a number of example site layouts:

The three-box layout displays three main features: the main central graphic followed by two smaller boxes of text, video or any other content designation because of the page allows for placement of a navigation because has a search box.

This layd deal for a site that needs limited navigation or one that needs to showcase a range of graphics, such as an online portfolio.

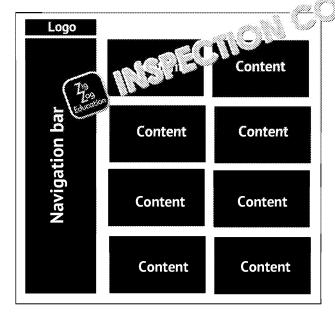


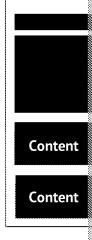
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Zig Zag Education The grid layout divides the page into a number of equal segments where a range of context can be displayed.

Within the example shown there is a full-length navigational bar to help the user navigate easily around the site.

This type of layout is good for a site that has more content than the user can navigate through; for example, a news site or a blog where each grid could be an individual post.





This layout has a fixed navigational elements contained within, to rewhen the user scrolls navigation and access

Key terms:

Composition: To constitute the own images. Used to feel a certain was

Another important aspect is **composition**. Within website production 'com the overall image, the balance of content, and how it's used to influence state of the audience.

Depending on the use of the site it can be useful to think about the range on each page, too much text content can 'crowd' a page and create an oversense for the audience. This is particularly relevant for portfolios and e-correvious example of Amazon UK.

This also covers content with aural elements such sound can immediately repel users, especially with pause or stop control.

Questions:

- 17. What is a purpose of identifying a target audience? (1 mark)
- 18. Sugarreason why aesthetics are important to web production. (
- 19. What are complimentary colours? (1 mark)

Task:

Using the Internet, find three more website layout examples. Sketch them samples shown above, identify the elements of the site and possible uses



Aim C: Produce and review a function

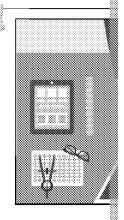
Objectives:

- ✓ To explore different methods of writing web code.
- ✓ To understand the preparation process of building a website.
- ✓ To produce and test a functioning website.

WEB AUTHORING

Web authoring refers to the methods used to wax website code, for which there are two citer ways manually coding within text ware or using automatic HTML authorized ware.

Automa poring software aids the user in writing the HTML and CSS code by creating code through the selection of buttons and paths rather than using a keyboard. Some examples of authoring software are HTML Kit and Adobe Dreamweaver.



	Using automat	ic aut	thoring software
	Advantages		Dis
/	Allows the user to create real websites with effective management and administration.	X	It can be a steep le usually a large nu within the interfa
✓	Built-in file transfer protocol (FTP) allowing files to be quickly and easily sent to the server hosting the website.	×	without any exper It can produce ove it more difficult to
1	Easy to use and features a range of templates that can be used as a base for projects – therefore saving time.	X	It can produce un tags, where they a resultant problem
1	Simple and easy creation of a range of interactive features such as buttons, forms and menus.	X	associated styling Can be problemative inowledge of cod
1	Code validation and accessibility chec's the software can quickly identify or and conflicts within the conflict within the conflicts within the conflict within the conf		Lode without actudoes. Any arising exacerbated due to
1	written. It	Х	The software is us although there are
	wherean save time. Some features can also be added through the use of interface buttons.	X	Preview modes ca of common Intern



Using manual coding

Advantages

- ✓ Better search optimisation results as the search engine can more easily identify relevant features within the code.
- ✓ More consistency if coded by one person, it may be easier identify pieces of code especially if notes are added.
- ✓ Knowledge as the developer has to understand the code when implementing it. This is probably the most important advantage.
- Can be done on a simple text editor and doesn't require are additional software. This can be a cost benefit.
- ✓ The lack of unnecessary code carainal to a faster-loading site

Overall, th ಾ ತಿ ್ರಾಪಕರ is either a matter of personal choice, o

A common approach is to use a combination of both methods. It authoring software, although it's recommended that beginners for onto automatic software, as it provides them with essential back add code.

PREPARING TO BUILD A WEBSITE

As with any project, building a website must be well planned, we factors that can deem the site a success in relation to the origin.

Brief

When producing a website for a **client**, it's important that the pre-production stage is completed properly to ensure that the client's wishes have been fulfilled.

Therefore, it's useful to create a brief after first discussing the project with the client; this is a short but descriptive account of the task ahead.

The brief clearly defines the requirements and purpose of the we ideas the client has that can help during the soluction process

- Purpose What type of website in the initial produced? What full in the produced? What full is a produced? What full is a produced?
- User Who is the target place for the site?
- Features ^ me samy required elements for the site, e.g.
- Scon Tes here size of a project and any previously seed to publish a site in time for a product release.

 Sudget This is directly linked to the scope of a project as tasks. Are there any additional costs such as outsourcing tasks.
- Tone and style How does the client want the site to look scheme to include or avoid?



Overall, it's essential that those working on the project understand what's being asked of them and what the client wants. This will help them to prepare for the task ahead and avoid **scope creep**.

Key term
Scop
in a p

An example of a brief is shown below:

Client Information	ZZ Bikes is a small team of cycling enthusiasts improve cycling infrastructure and organise lo
Contact	ZZ Bikes 3 Cheese and Bacon Lan Bristol BS1 0GF
Project	eat ွှင့် website where text and images can b
Project In m. \	The website aims to inform the general public and also advertise cycling events.
Requirements and	Neutral and natural colour scheme.
Restrictions	Simple to navigate for computer users of all ac
Objective	To persuade users to support cycling initiative
Key Dates	Final deadline: 26 th February 2018
Budget	£300
Content	Images taken from Facebook group to be used

Questions:

- 20. Why is it important to create a brief? (1 mark)
- 21. Suggest an additional scenario that could lead to scope creep. (1 mark)

Task:

You have been asked to creation band. There will be images, amount of descriptive text a player which should be cleating.

Write a brief using worksheed set of requirements to follow

Target audience

Websites, as with other media content, can be a more towards a specific ty this is referred to as the 'target and en

The objective characteristics of a person such as lifestyle, education, age, socio-e characteristics of a person such as lifestyle, education, age, socio-e characteristics of a person such as lifestyle, education, age, socio-e characteristics of a person such as lifestyle, education, age, socio-e characteristics of a person such as lifestyle, education, age, socio-e characteristics of a person such as lifestyle, education, age, socio-e characteristics of a person such as lifestyle, education, age, socio-e characteristics of a person such as lifestyle, education, age, socio-e characteristics of a person such as lifestyle, education, age, socio-e characteristics of a person such as lifestyle, education, age, socio-e characteristics of a person such as lifestyle, education, age, socio-e characteristics of a person such as lifestyle, and all be used to determine a target audient and a person such as lifestyle, and all be used to determine a target audient and all be used to det

This choice of audience can influence the content and navigational properthink about computer competence of certain age and social groups.

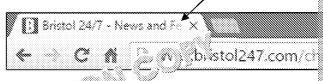
The purpose of the site should also be identified and a measurable factor success of its purpose.



Name

The name of the website, if not the name of a pre-existing brand or organithe nature of the site; for example, an e-commerce site could insert 'commissimilar into the name.

This helps to increase identification among the audience and search enging Another option is to describe the purpose of the site in the tagline, which title in the Internet browser.



🧽 sh \chi 🎢 a website's tagline within a browser.

Folde content preparation

As previous nentioned, it's important that files and folders are stored in file paths are kept updated and correct in order to ensure that the site dis

It's also good practice to prepare multimedia content so that it's utilised file formats that are suitable for web use, but also file size. This acts as a load for users with slower Internet connections and that space is used in

Sourcing content such as videos and photos from the Internet will likely to reason, and to aid organisation, it may be useful to note assets within an provided as the supporting document 1C.

When referring to image files, some formats (such as PNG) have differing particular the 'interlace' option. This setting changes the way that the image

Interlaced quickly loads a low-quality version of the image and then progful resolution, and also results in a slightly larger file size.

Non-interlaced, on the other hand, loads the image in tiles, showing a cle time before it develops into the entire image.

Planning portfolio

A planning portfolio relates to the preparation of the project to make sure the website is created and functions as planned.

Font size and type tests refered to a different browsers and platform that are used to make to be district content is displayed correctly when the font and the displayed specified by the developer. With font types there someting a patibility issues when custom fonts have been used — and that also wases when one system platform uses a font that isn't installed another.

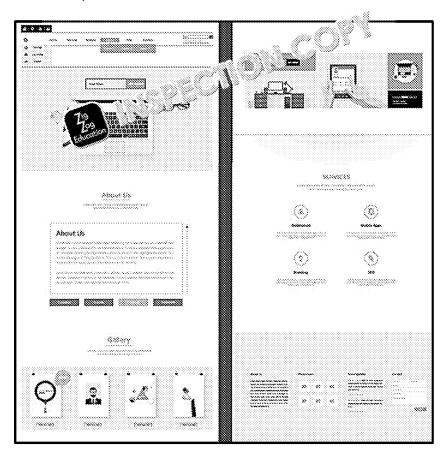
There are two ways to rectify this problem: one is to use a standard font that Arial. The other is to embed fonts within the CSS file. Using this method the web server of the site and is automatically downloaded when a user who



Prior to finalising a design for a website, a visualisation diagram is usuall of the design.

A sketch of the layout and design is one method usually done before movewill benefit from a sketch on paper as it can be used to give others an operand gain feedback, although changes can still be implemented at a later to

A mock-up is a full-size model of a design used to provide a realistic representation. This provides the opportunity to gain further feedback and state are representative to the brief.



Questions:

- 22. Suggest two ways in which search engine optimisation can be impr
- 23. What's the difference between interlaced on interlaced? (2 n
- 24. What's the purpose of a visualisation linguam? (1 mark)



To ensure continuity across the site the number of fonts used should be lesses to be possible, or it can confuse users and decrease the aesthetic appeal of the

A similar rule also applies to the range of colours used across the site in the contrast with each other in a way that's aesthetically pleasing. In this circle back to colour harmony – using the colour wheel to assist the choice.



BUILD A WEBSITE

The knowledge required to produce a two-page website with working hyris included within this resource.

A series of tips and checks has been created to help create an organised a can be copied and used as a checklist during the production process:

Tip	Explanation
Web authoring	The selected method of web authoring can impact on a nataken to complete the project. However, its use should detected the developer. It's recommended the unatic authoring software is have a basic and value of not only the features and intervals. It's and CSS – this is vital knowledge for debugations within the code.
Organisation of root folder	The root folder should be organised and file paths should content or assets that are included within the site. Folders are useful to store and sort media content; however that any changes in location are also changed within the
ʻindex.html'	The home page of the site should be named 'index' – this web server will look for when someone specifies the URL
Page titles	Not only should the file names of each HTML file be appronned to the page, but the titles of pages should also reflect the of page titles has been previously covered within this rescould be added to denote a sub-menu page or category.
Page layout	CSS can be used to specify a wide range of element custo specific positioning. Tables or CSS can be used to help we previous plans and diagrams.
Masthead/ Header	A masthead or header is a graphical image or text title discould contain an image, text hyperlinks, black space or a search bar (look at the examples of websites previously lidentify their headers).
Navigation hyperlinks	As the name suggests this should be inserted within the Hyperlinks should be added between pages using buttons appropriate. These will hopefully engage user interact appeal of the site.
Addition of content to pages	Remember that PT'3L Sea to add content to pages. A used to a sine, see content can be found on the W3Sch (***), www.schools.com/tags/ref_byfunc.asp)
Web page preview	When testing HTML files it's essential that it's done within the compatibility for a wide range of users. Opening a HTML file is easy as it will be set to open autobrowser of the operating system; in this circumstance the as the website is hosted locally with the file explorer activ
Hyperlink checks	Obviously it's important that any links inserted into the six also direct the user to the specified site. One testing method would be to manually examine the conumber of more effective methods are explored within the



TEST THE FUNCTION OF THE COMPLETED WE

It is important to test a website to make sure that everything works correspositioned correctly. Users will notice minor errors and this can have a bappeal and viewership of the site.

Testing is imperative when producing a website for a client as it can affect project in addition to personal factors such as reputation.

Listed below are some basic guidelines and questions for testing the func

Basic functionality

- Look at each page. Is the content position of the content position of the content placement?
- Are the structure and complex with the website clear?
- Check the contest was page against the brief is anything missing
- Are Are Repair of the sizes appropriate? Does all content load in a s

Navigation

- Check that every link on every page of your website directs to the coproblem within the code if any links don't work as intended.
- Check that the navigation/side bar appears on every page, and that it Consistent navigation is important to user experience.

Browser and platform compatibility

- Code should be checked within the main browsers (Chrome, Microsof Firefox) to ensure that the site is accessible for all users.
- The site should also be opened and tested on other platforms such a

Display

- Has all content displayed correctly? Are all photos and videos displaying
- Do the alt tags display properly on all of the images?
- Are the chosen font, size and colours clear and easily readable?
- Is the colour scheme visually acceptable? Is the structure clear?
- Can the content be seen on a range of screen types (LCD, CRT, 16:9, 4

Accessibility

 Has everything been done to ensure the site is accessible to all, e.g. a scheme and screen reader compatibility?

A helpful source for checking that link and code have been implemented validation service. This is a feet game portal where HTML and CSS files conformers and conformers.

Another d is to use a browser plugin, for which there is a range aval.

Any mistakes found will be highlighted and explained, which allows the d



Unit 6: Website production – practi

For this task you must research, plan, produce and test a website. This she outcomes and main tasks included within this guide.

Scenario - Local Ruins

A local archaeology society has uncovered some ruins of a Roman settlem outskirts of your town; the only problem is that the site has been earmark development. The local council plans to remove the ruins and permanent them to an exhibition in London, 200 miles away!

The chairwoman of the society is unfamiliar with econology and wants you a website that can be viewed across a per range of devices. She wants to images, videos, text and to possible ruins on the site with the aim of per residents of the country of wait the site and also sign a petition resisting to develop the site and the transfer of the ruins to London.

Task 1 - Research

→ This task covers Learning Aim A

Within this task you are required to produce a poster detailing the purpos infrastructure behind the Web.

You need to explore:

- The Internet
- The World Wide Web
- How people view websites
- The different purposes of websites

Task 2 - Plan

→ This task covers **Learning Aims B and C**

This task entails the planning and design of the website, which will be shown to the archaeology society in the form of a presentation.

To complete this task, you should do the following:

- Identify the content that will be used within the site.
- Prepare the content for implementation within a website.
- List the HTML and CSS elements that you plan se.
- Produce a mock-up of the website's horse page.

Task 3 - Produce arises

→ This take over a paing Aim C

Having rehed and presented your design ideas, you will now produce archaeology society.

Remember:

- The purpose of the website
- Design and composition
- Folder set-up and file management
- House style design
- Functionality testing



Unit 6: Website production – student

Learning Aim A: Know the context and purposes of websites

Mark band	What is needed
Level 2 Distinction	Have you provided an analysis of the context in which different sexist?
Level 2 Merit	Have you explained ***()
Level 2 Pass	Have you described the context in which different websites exist
Level 1	Have you outlined the context in which different websites exist?

Mark band	What is needed	
Level 2 Distinction	Have you compared the purposes and uses of websites?	
Lev	Have you provided reference to specific and detailed examples?	
Have you given a clear and thorough explanation of the of websites?		
Level 2 Merit	Have you provided reference to specific examples?	
el 2 ss	Have you described the purpoge and uses of websites?	
Level	Have you say the sererence to common examples?	
Level 1	Have you provided a brief summary of the purposes and uses of	



Learning Aim B: Know the technical requirements for website product

Mark band	What is needed
Level 2 Distinction	Have you compared the differences between dynamic and static
Lev	Have you provided detailed and illustrated examples of each?
Level 2 Merit	Have you clearly explained how dy lange and static websites wo
Level 2 Pass	y arbed the features of dynamic and static websites?
Level 1	Have you outlined the features of a static website?

Mark band	What is needed
Level 2 Distinction	Have you provided an analysis of the key technical and creative considerations when designing a website?
Level 2 Merit	Have you explained the key technical and creative consideration designing a website?
Level 2	Have you provided relevant examples?
Level 2 Pass	Have you described the key is ical concerns when designing a
Level 1	you outlined the key technical concerns when designing a



Learning Aim C: Produce and review a functioning website

Mark band	What is needed			
Level 2 Distinction	Have you compared two methods for authoring websites?			
Leve Distin	Have you provided detailed examples of each?			
-evel 2 Merit	Have you clearly explained two methods for a thoring websites			
Level 2	Have you provided explain the second			
Level 2 Pass	ycu described two methods for authoring websites?			
Level 1	Have you outlined one method for authoring websites?			

Mark band	What is needed
Level 2 Distinction	Have you produced a comprehensive plan for a website which cr interprets the brief and purpose?
Level 2 Merit	Have you produced a detailed plan for a website which effective interprets the brief and purpose?
Level 2 Pass	Have you produced an appropriate plan for a website which ade interprets the brief and purpose?
Level 1	Have you produced a basic the brief and purpor



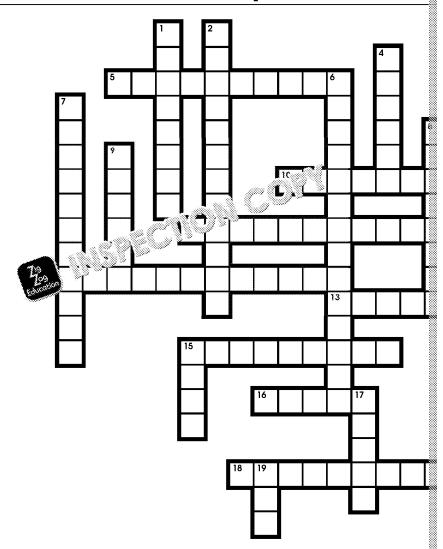
Mark band	What is needed
Level 2 Distinction	Have you created an imaginative website of two pages with wor hyperlinks and multimedia content?
Level 2 Merit	Have you created an effective and functional website of two pagworking hyperlinks?
Level 2 Pass	Have you created ar 💸 🔧 web page with working hyperlink
Level 1	Have you created a limited web page with basic functionality?

Mark band	What is needed
Level 2 Distinction	Have you evaluated the completed website for functionality, quausability across different web browsers?
Level 2 Merit	Have you assessed the completed website for functionality and udifferent web browsers?
Level 2 Pass	Have you summarised test results for functionality of the comple website on a web browser?
Level 1	Have you outlined the required tes s a dizhecks for assessing th functionality of a websit





Unit 6: Website production – cross



Across

- The loading of a low-quality version of an image which then progressively loads to its full resolution, resulting in a slightly larger file size. (10)
- The process of gaining an accurate representation of data without degrading the quality to an unacceptable level. (11)
- A hex value representing the number of red, green and blue components of colour. (11)
- A type of website in the same area remains and the same area area. See sponsive to variar. See sponsive to variar.
- A web ation used to display the code that makes up a web page. (7)
- **15** A URL embedded within a clickable text field. (9)
- A singular square, it is the smallest unit that makes up an image. (5)
- 18 The process of ensuring that all content displayed on a site is made available for those who need it. (13)

Down

- 1 The global network of intercon
- 2 The library of websites and the
- A program that takes the input database to be recorded. (4-7)
- **4** A device that manages and con a network. (6)
- A type of website where the infa a pun for f variables such as t につきたみ、(7,7)
- The layout of assets that constiand images. (11)
- 8 A compression technique where a loss in quality. (8)
- **9** A file type in which information file. (6)
- 14 A website layout which respond
- **15** A markup language used to spen pages. (4)
- 17 A compression technique which from the image. (5)
- **19** A styling language that is used styling of a web page. (3)



Answers to questions

QUESTIONS

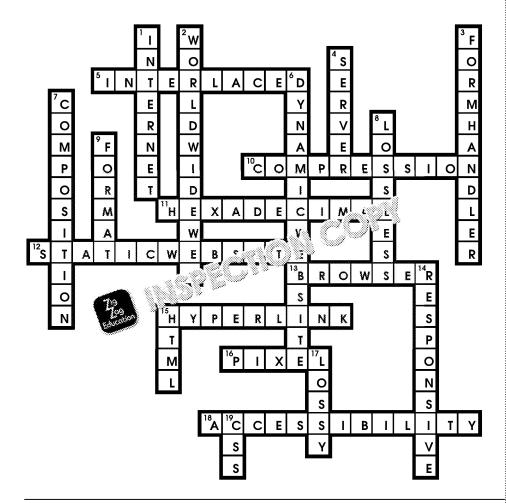
- 1. TCP/IP (1 mark)
- 2. One mark for each of the following points: (2 marks)
 - The Internet is a network of interconnected computers.
 - The WWW is a library of websites and the servers that hold the info sites.
- 3. The purpose of a hyperlink is to provide a quick seesy method of dire website or web page. (1 mark)
- 4. One mark each for any three to fallowing: (3 marks)

 Text, Images, Audic ' imations, Interactive content
- 5. A web rein corprets and displays the code that constitutes a websi
- 6. HTML to insert content into a web page and define its structure
- 7. CSS is used to define how HTML tags are displayed and styled. (1 mark)
- 8. a) Within static websites the content remains stagnant and unrespons other hand, in dynamic websites the information can change depensuch as types of user interaction, time and location. (2 marks)
 - b) 1 mark given for a type of static website that won't need to change
 1 mark given for a dynamic website that changes with user and develong.
 - c) One mark given for each of the following: (3 marks)
 - Flexibility of browsing on different platforms.
 - Cost-effective as one website can be produced.
 - Increased user experience.
- 9. Compression is the process of acquiring an accurate representation of d without degrading the quality to an unacceptable level. (2 marks)
- 10. JPEG images are commonly used for digital photographs and images on
- 11. One mark given for a use, another each for an advantage and limitation
 - Format is used to display video content on the Internet.
 - Advantage is that it can produce high-quality videos depending on
 - Disadvantage is that it's no longer supported across a range of Appl
- 12. Two marks awarded for each answer: (4 marks)
 - A vector image is redrawn using a matical artial formula, and, there
 - In a bitmap image only the crisis formation of each pixel is saved the image is enlarged.
- 13. One mark sive in the answer: (4 marks) Hyper (4 all yation bar, Buttons, Sitemap
- 14. The purpose of Web Content Accessibility Guidelines is to ensure that we that are accessible to the disabled and those who require additional asson the web. (1 mark)
- 15. Text size is important because some people may have low vision, and nechnology or the knowledge to zoom in to content. (1 mark)
- 16. The alt tag is used within images so that assistive technology can interp is shown within the image. (1 mark)



- 17. The purpose of identifying the target audience is so that it allows the deaspects of the content and site design to best suit the user demographic
- 18. Aesthetics are important as they can influence the attention of the user impact on the popularity of a site. (1 mark)
- 19. Complementary colours refers to two colours that are opposite each oth used together as they complement one another.
- 20. A brief is important as it allows you to clearly document the wants and ensuring that the project moves in the right direction and helping to ave
- 21. One of the following answers: (1 mark)
 - Any scenario in which an element of the design in fundamentally ch
 - The delay of a task.
- 22. One mark for each of the following a pers. (2 marks)
 - Adding a name and whire to me site.
 - Content tage
 - T Porte)..
- 23. One make each for any two of the following answers: (2 marks)
 - Interlaced quickly loads a low-quality version of the image and then
 to its full resolution, and also results in a slightly larger file size.
 - Non-interlaced loads the image in tiles, showing a clear image with develops into the entire image.
- 24. A visualisation diagram aims to show how the final product will look be developer to gain feedback and make changes. (1 mark)

CROSSWORD





A Audio Formats Table

	p	
File Format	Common Uses	A
Moving Picture Experts Group-2 audio layer 3 (MP3)		
Window Media Audio (WMA)		
Waveform Audio File Format (WAV)		
RealAudio		
Musical Inst. igital Interface		



B Client Brief

Client Information	
Contact	
Contact	
Project	8
Project Information	
Zo.	
Requirements and Restrictions	
Restrictions	
Objective	
,	
Target Audience	
Design Problem	
Key Dates	
,	
Budget	
	76C()
Education	
Additional Information	



Asset	Filename	Date Acquired	Resources Required	Source
7º Constanting to the state of				
Zono				



D Website Analysis Table

Site URL and genre	Key features	Navigation	Page layo
Zio educarico)			
Z ² oo education			

