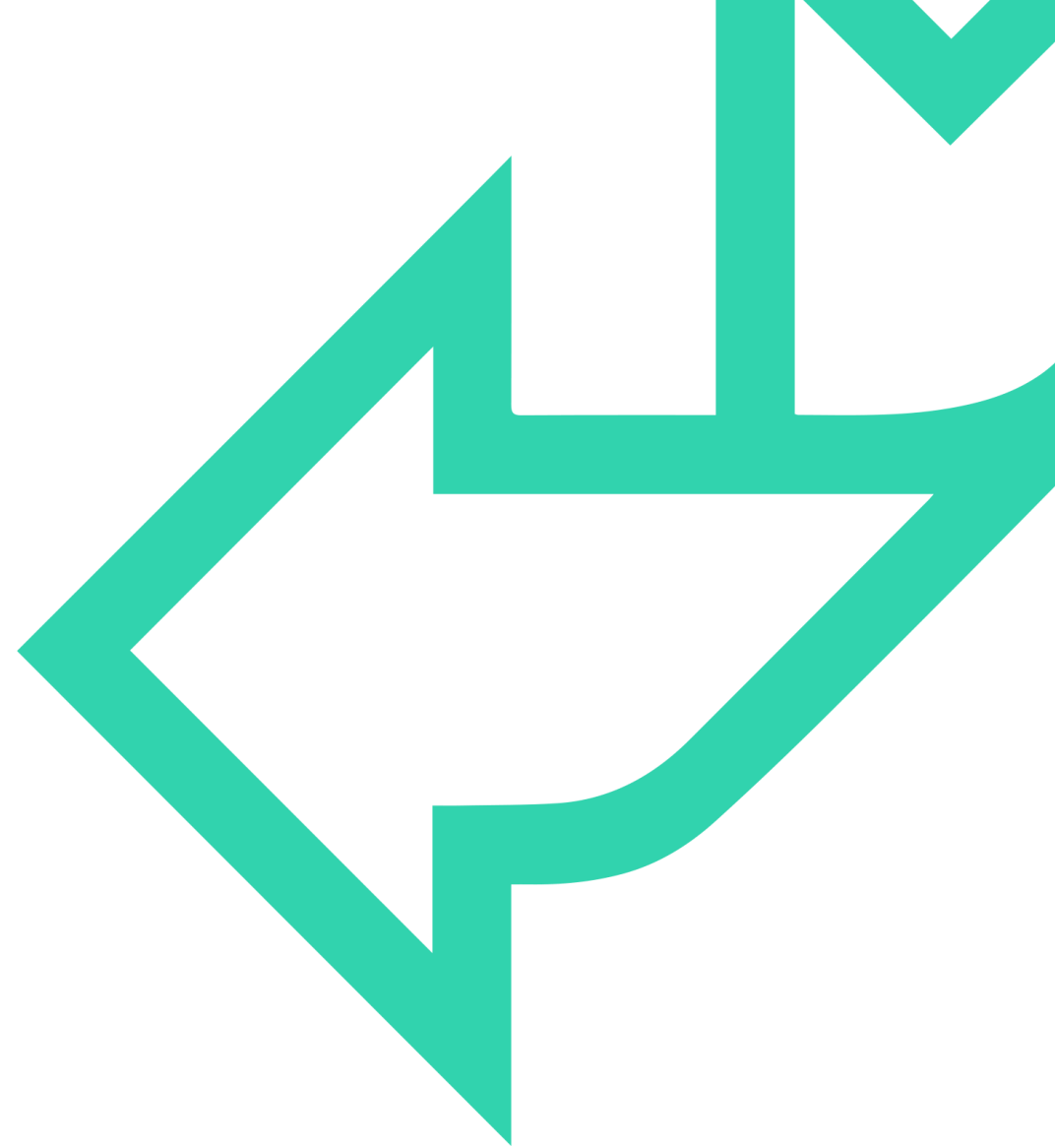# Web Skills

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Website Software

3

Units - F9D504

Learning Outcomes

→ CREATE STRUCTURES AND STYLES AND USE THEM TO PRODUCE WEBSITES

→ SELECT AND USE WEBSITE SOFTWARE TOOLS AND FEATURES TO DEVELOP MULTIPLE PAGE WEBSITES WITH MULTIMEDIA AND INTERACTIVE FEATURES

→ PUBLISH AND TEST MULTIPLE PAGE WEBSITES WITH MULTIMEDIA AND INTERACTIVE FEATURES
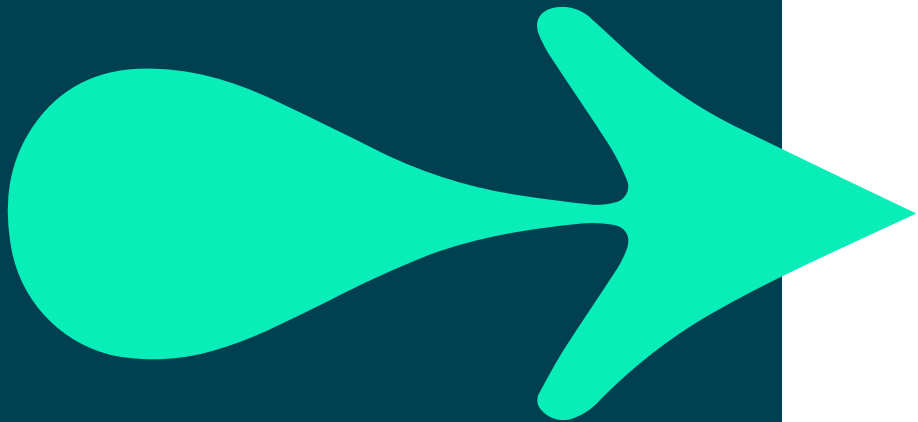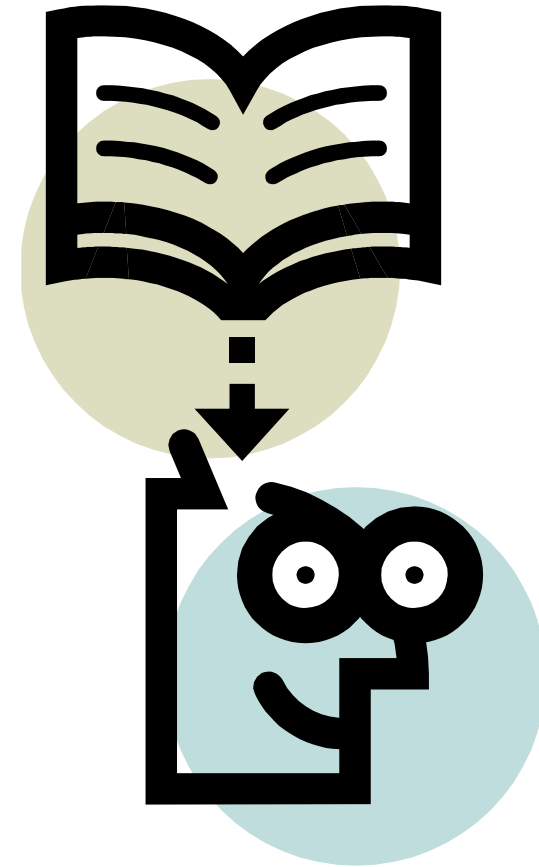
Timings

→ SESSION 1 : 9:30 to 11:00

→ BREAK 15 MINUTES

→ SESSION 2 : 11:15 to 12:00

→ LUNCH 1 HOUR

→ SESSION 3 : 13:00 to 15:00

→ BREAK 15 MINUTES

→ SESSION 4 : 15:15 to 16:00

→ Q&A Session : 16:00 to 16:30

COURSE CONTENT INFORMATION

Both modules are open book, use slides and online resources for more information (please do not copy and paste!)

1. Create structures and styles and use them to produce websites.

1.1. Determine what website content and layout will be needed for each page and for the site.

You need to decide what you will need to include on each page, i.e. images, text, videos.

What navigation will you require?

What structure do you want? Layout etc?

Will you have main pages or sub pages?

Will you have a sitemap?

What interactive components will you include e.g. forms?

Will you provide downloads?

1. Create structures and styles and use them to produce websites.

1.2. Provide guidance on laws, guidelines and constraints that affect the content and use of websites.

Copyright

Protection of children legislation

Libellous behaviour

Uploading and downloading

Data Protection Act

Digital Rights Management

Accessibility

Plagiarism

1. Create structures and styles and use them to produce websites.

1.3. Explain what access issues may need to be taken into account.

Accessibility guidelines – screen readers, text only, alt tags etc.

Browser compatibility

Size of website contents

Download speeds

TEXT

1. Create structures and styles and use them to produce websites.

Plain Text Files

RTF (Rich Text Format) files can contain a vast variety of objects such as footnotes, headers, multilingual text, geometric and raster graphics, symbol sets, tables etc.

FIND AN EXAMPLE OF AN RTF FILE ONLINE AND PUT A SNIP IN YOUR DOCUMENT

TXT – simple text file with no objects FIND AN EXAMPLE OF AN TXT FILE ONLINE AND PUT A SNIP IN YOUR DOCUMENT

HTML (Hypertext Markup Language) is a tool used to Markup the text for display on the web FIND AN EXAMPLE OF A HTML FILE ONLINE AND PUT A SNIP IN YOUR DOCUMENT

IMAGES

1. Create structures and styles and use them to produce websites.

The JPG is probably the most common file format now in use for storing digital images, especially on the web. It is ideal for images that use more than 256 colours, such as digital photographs. FIND AN EXAMPLE OF A JPG ONLINE AND PUT IN DOCUMENT

IMAGES

1. Create structures and styles and use them to produce websites.

The GIF file format is commonly used on the web. It is ideal for images that have large blocks of a single colour, and it can support up to a maximum of 256 colours. Unlike with JPGs, it is possible to alter the background colour of a GIF to make it transparent. This makes it possible to place it over other images or on webpages. FIND AN EXAMPLE OF A GIF ONLINE AND PUT IN DOCUMENT

Like a JPG, a TIFF file can be compressed to reduce the file size, while still maintaining a high degree of image detail. FIND AN EXAMPLE OF A TIFF ONLINE AND PUT IN DOCUMENT

VIDEO/SOUND

1. Create structures and styles and use them to produce websites.

Find out about the following:

VIDEO FORMATS

OGV

MP4

AVI

MPEG-4

FLV

SOUND FORMATS

WAV

MP3

WHICH WOULD YOU USE AND WHY?

2. Select and use website software tools and features to develop multiple page websites with multimedia and interactive features.

2.1. Plan and create web page templates to layout content.

Create a mockup of how you want your web template to look. Include in your document

Now create it using wix

Include a snip in your document

http://www.wix.com

2. Select and use website software tools and features to develop multiple page websites with multimedia and interactive features.

2.2. Select and use website features and structures to enhance website navigation and functionality.

Use the online templates and menu options in wix to sort out your page navigation

Include a snip in your document

http://www.wix.com

2. Select and use website software tools and features to develop multiple page websites with multimedia and interactive features.

2.3. Create, select and use styles to enhance website consistency and readability.

Select fonts and styles to make your website read well. Use the same style throughout the website for consistency.

Include a snip in your document

http://www.wix.com

2. Select and use website software tools and features to develop multiple page websites with multimedia and interactive features.

2.4. Store and retrieve files effectively, in line with local guidelines and conventions where available.

Save your images/video/webpages in a suitable format

Show a snip of you saving

Show you uploading files

http://www.wix.com

3. Publish and test multiple page websites with multimedia and interactive features.

3.1. (P) Select and use appropriate testing methods to check that all elements and features of complex websites are working as planned.

3.1. (K) Identify any quality problems with websites and explain how to respond to them content that is missing, text that is not readable or missing, images that are oriented or sized wrongly, navigation that does not work as planned; multimedia features (eg sound levels, image resolution, synchronisation of sound and images), interactive features

3. Publish and test multiple page websites with multimedia and interactive features.

Test website in multiple browsers (take snips)

https://www.browserling.com/

Test all navigation goes to where you want it to

https://www.drlinkcheck.com/

Do you have any orphan pages?

Do all multimedia files work as expected?

Check Website Performance

https://tools.pingdom.com/

3. Publish and test multiple page websites with multimedia and interactive features.

3.2. Select and use an appropriate programme to upload and publish the website and make sure that it will download efficiently

We are using wix

Go ahead an publish

Show snips of your process

Download copy of website - Show snip of all files

3. Publish and test multiple page websites with multimedia and interactive features.

3.2. Select and use an appropriate programme to upload and publish the website and make sure that it will download efficiently

React to the quality problems encountered during testing

Show snip