

Software Development Unit 1.6

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I can describe access issues that might need to be taken into account. Candidates should know that websites should employ open standards that are universally supported across as many web browsers as possible. They should understand the need for putting alternative text with graphics for the sight-impaired and that choice of colours is important.

Website creators want to create impactful and aesthetically pleasing websites. However, adding complex designs can sometimes make the website difficult to read or navigate. It is important that websites are able to deliver their message effectively, including those who are visually-impaired or have access issues. Most websites will have videos and images in addition to normal text. There are ways to ensure that these three types of content are accessible to everyone.

For normal text, it's best presented with contrasting colours, such as black text on a white background or vice versa. The size of the font should also be reasonable and headings should have larger text than paragraphs so viewers can distinguish the difference. The font used should also be clear and not excessively decorative as this can be difficult to read otherwise. If the text has the same colours as the background or the fonts aren't appropriate, it will be harder for the viewer to decipher the words and read the sentences.

Websites may fail to display images due to several factors: the browser not compatible with the image format, slow internet connection, or lack of bandwidth for the website. In these situations, the website may not be able to show the image, but it can describe what images were supposed to display. This can be done by adding the attribute "alt" as per example below.

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Video creators are on the rise, with platforms like Youtube and Tiktok. They also make it easy to share and embed videos in websites; therefore, it's important to consider how these display to viewers. The size of the video embedded in the website should be a reasonable size, with the facility to watch fullscreen for those watching on small screens. Adding subtitles or captions will also support those who are hard of hearing. It's best that these features are also implemented for website creators who are uploading videos directly on their website and not from other platforms.

All of the above should be exercised on all pages in the website for consistency. In addition, there are a variety of browsers such as Microsoft Edge, Safari, Firefox and Opera. All these websites may display websites differently. Website creators would need to check if their website is compatible with these browsers. There are many available software that can run these checks such as Modernizr.