

3 A rock band uses an internet website to advertise its music.

(a) The website uses HTML.

(i) Describe HTML.

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(ii) Explain the importance of HTML in the creation of web pages.

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(b) A list of file extensions for common file standards used on the internet is shown below.

JPG                  PDF                  MP3                  MPEG                  ZIP

The rock band allows some files to be downloaded by fans.

Complete the table below to show which file format **from the list given above** may be used for each of the following files.

File	File Format
A high resolution image of the band to use as a desktop background.	
Sheet music of their songs ready to be printed in the correct format for guitar players.	
A short video extract from their latest concert tour.	
A compressed collection of 200 plain text files containing the lyrics of all their songs.	
An audio recording of a song from their album.	

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(c) Some of the file formats use compression.

(i) Explain the importance of compressing files when transmitting them via the internet.

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(ii) Describe the difference between lossy and lossless compression and give an example where each would be used.

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