HTML5 Audio

ATTENTION

Quotes in the provided codes in this tutorial must be **regular quotes**.

Regular (straight) quotes are frequently converted to smart (curly) quotes in word processors and PDFs .

Regular quote: **"   "**
                        • • •

Smart quote: **"   "**
                        • • •

To avoid this, directly type code or copy-paste it in a plain text editor (such as Notepad, Gedit…) and then copy-paste it from the plain text editor into Hot Potatoes.

There is **two kinds of HTML5 audio player**:

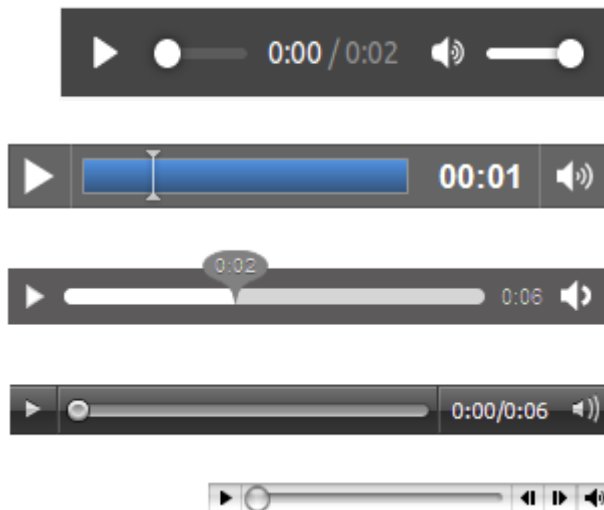HTML5 mini audio button   Classic HTML5 audio player control

I Classic HTML5 audio player

1- Insertion

Use the possibility given by Hot Potatoes v7: Insert> Insert a media object.

2- Appearance

Every browser has its own design for the HTML5 audio player control:

As you can see, the size and colours of the player control varies from one to another.

There is no way to change the size or the colours.

[More information](#).

II HTML5 mini audio button

Most of the time we use very short audio files (one word or a short sentence) so the classic audio player control is too large. A minimalist HTML5 audio player was created for my add-ons.

Its control bar offers only a play button (or possibly a play/pause button – see p4).

- The player will accept **mp3, ogg and wav** extensions for audio files.
- You can use it in every part of the exercise: items, title, reading text etc.
- This mini audio button is only avalaible in my add-ons.

1- How to insert an audio file with a mini button?

You need **player4.js in your exercise folder**. You will find it in the demo folder of the add-ons.

a) New method for HP7 add-ons

- Insert an audio file via **Insert> Insert a media object**.

  You will get something like that:

  ```
  <audio controls="controls">
  <source src="myaudiofile.mp3" type="audio/mp3"/>
  <a href="myaudiofile.mp3" title="myaudiofile.mp3">myaudiofile</a>
  </audio>
  ```
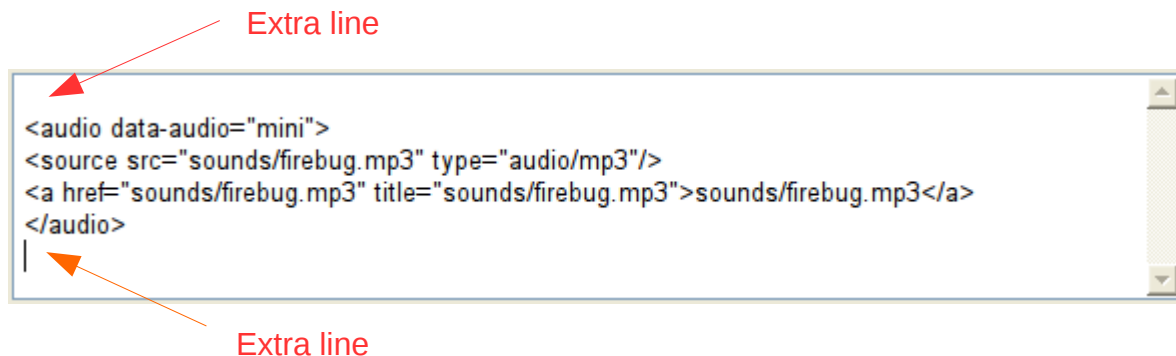
  where myaudiofile.mp3 is an audio file in the exercise folder.

- To have a mini audio button instead of the classic HTML5 audio player control just **remove controls="controls" and add data-audio="mini"** inside the audio tag:

  ```
  <audio data-audio="mini">
  <source src="myaudiofile.mp3" type="audio/mp3"/>
  <a href="myaudiofile.mp3" title="myaudiofile.mp3">myaudiofile</a>
  </audio>
  ```

- **Remove the lines** inserted by Hot Potatoes **before and after the code**:

Extra line

Extra line

If you don't remove the lines you will get instead of .

  Note: It's difficult to know if there is an extra line after the code. If you can place your cursor on the line under the code (as shown in the picture above), there is one that you have to remove.

That's all!

b) Compatibility with the old method

- The old method (for Hot Potatoes v6) can still be used:

  ```
  <a href="javascript:void(0);"onclick="play('myaudiofile.mp3');"
  class="gloss">&#9658;</a>
  ```

- It means that you don't have to modify you old data files (.jmt, .jqz etc.) where this method was used.

On touch devices, this mini audio button can be a little distorted (not a perfect circle).

2- How to have a pause button?

Usually we use only words or short sentences as sounds. For these, a pause button is not useful.

If your sound file is bigger, you would like a play/pause button.

Play: Pause:

Open **player4.js** with a text editor such as notepad or notepad++, gedit etc.(don't use Microsoft Word or LibreOffice Writer).

At the beginning of the file you will see:

```
var unicode_play='&#9658;';
//var unicode_pause='| |';
   // for pause button: uncomment the line above and comment the line below
var unicode_pause='&#9658;';
```

Change it as mentioned (*comment* means "this line is ignored by browsers"):

> To comment: add "//" at the beginning of the line.
>
> To uncomment: delete "//" at the beginning of the line.

After the change, it should look like this:

```
var unicode_play='&#9658;';
var unicode_pause='| |';
   // for pause button: uncomment the line above and comment the line below
//var unicode_pause='&#9658;';
```

Don't forget to **save the modified file**.

3- How to change the colors of the audio button?

The colors are defined in **hp7.cs_**.

- **Open hp7.cs_** with a text editor such as notepad or notepad++, gedit etc. (don't use Microsoft Word or LibreOffice Writer) and search for "**--strGloss**". You will find it near line 70.

  ```
  --strGlossColor: green; /* for mini audio button */
  --strGlossBGColor: gold; /* for mini audio button */
  ```


- You can enter any valid css values in place of the original values.
  For example:

  ```
  --strGlossColor: blue; /* for mini audio button */
  --strGlossBGColor: silver; /* for mini audio button */
  ```


  You can find the names or the HTML hexadecimal codes for colors on wikipedia.

Don't forget to **save the modified file**.