

Multimedia

Adding video and audio materials

Objectives

- **Describe HTML5 audio and video elements**
- **Explain the purpose of plugins**
- **Reflect on Accessibility issues**

HTML5 Multimedia

- **Designed to avoid the use of extra software to play music/video**
- **Not fully implemented**

Video element <video>

- Video tag uses a **src attribute** or embedded <source>
- Common attributes *→ image 태그의 비슷*
 - height, width
 - autoplay
 - loop
 - controls
- Text inside <video>..</video> is displayed if browser can not support tag

Audio element <audio>

- Audio tag uses a src attribute to link to audio file, typically .mp3 or .wav
- Common attributes
 - autoplay, controls, loop
 - buffered
 - muted
 - volume

Setting clips

- You can set both the video and audio elements to play clips by adding to the src attribute.
 - `.ext#t=5, 25`
 - `.ext#t=, 39`
 - `.ext#t=, 1:38:45`
 - `.ext#t=42`

Plugins

- **Before HTML5 there was no standard for video display, plugins were required**
- **Since not all browsers support new tag some may require Flash**

Accessibility Issues

- **Make sure to provide links to plugins**
- **Include text descriptions and closed captioning (or other equivalent content)**
- **Multimedia should enhance your content, not be a distraction**

Acknowledgements/Contributions

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