Technical specification for the feature: Video

This is the technical specification for the Video feature. The feature was created as part of an EU-funded project called We4Authors Cluster. All features, their technical specification and their video documentation are published on www.accessibilitycluster.com.

If you have any questions or comments, please do not hesitate to reach out to research@funka.com.

The technical specification contains several perspectives:

- the web interface of the feature, based on the experience of the end user or, when it comes to the testing-features, the web author;
- the code of the feature ensuring accessibility by default;
- a description highlighting the key elements of the code;
- reference to a video documentation;
- recommendations for implementation.

Specifications of the feature: Video

Built-in support for accessible content creation.

Web authors need the ability to add titles to videos. Most authoring tools come with some kind of ability to publish videos, either locally hosted videos or by embedding external video services. The most basic need when embedding videos is to be able to ensure that the embedding is done in an accessible way. That can be as easy as making sure that the iframe that is normally created contains a description of the video content by adding the title attribute in the iframe element.

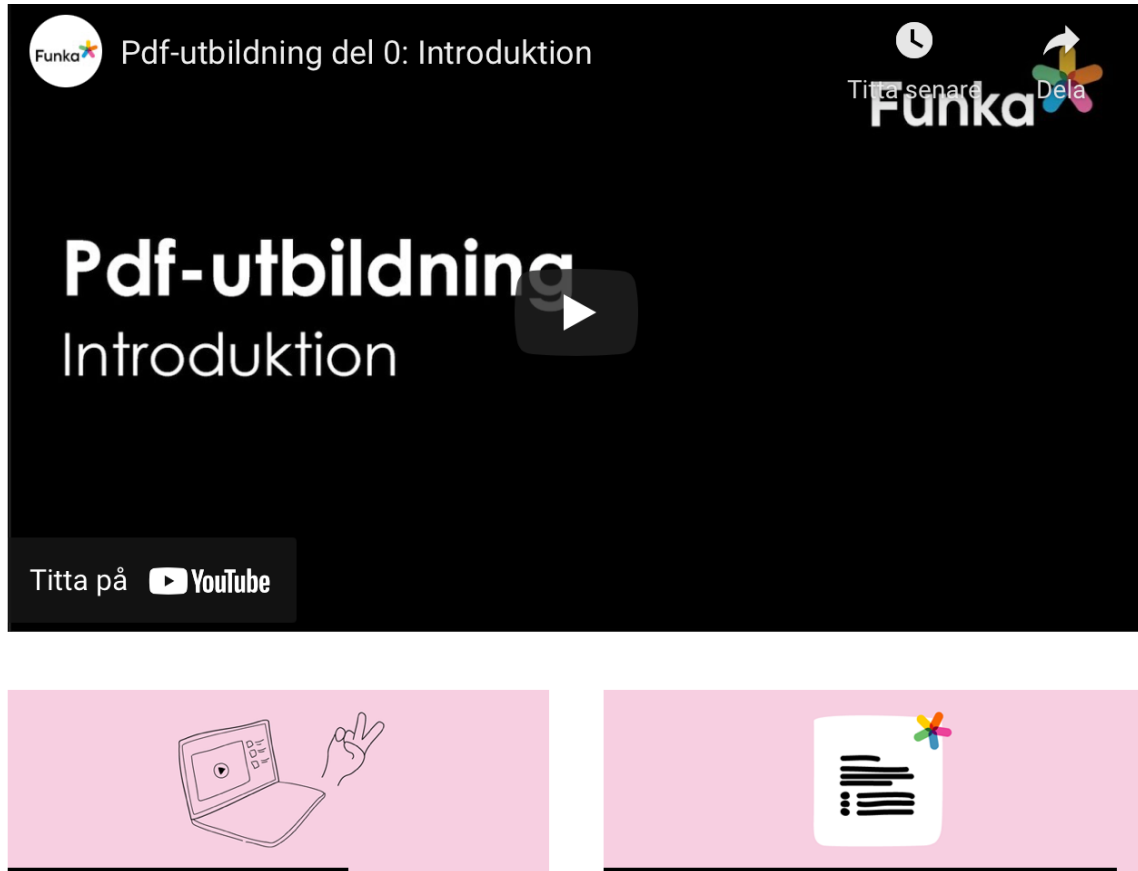## Web interface: the end user view

Figure 1: End user view

Code of the end user view

```
<iframe src="https://www.youtube.com/embed/"
title="Our education movie about pdf accessibility, introduction">
</iframe>
```

Figure 2: Code example

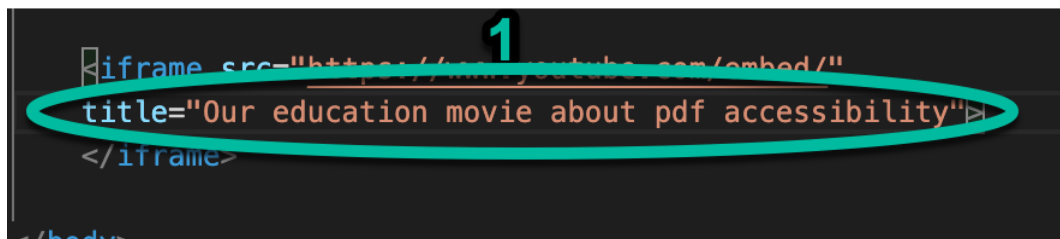## Explanation of the code example

Figure 3: Code example with highlighted elements

1. Always provide a title attribute when embedding videos with an <iframe> element. Provide a title using the title attribute describing the content of the video.

Video documentation

This technical specification has been developed in the We4Author Cluster project to reflect recommendations for accessibility features that can be implemented in any authoring tool. The specifications are complemented by a video documentation, covering a live description of:

- end user problems,
- web author challenges,
- feature solutions, and
- resulting accessibility for end users when the features are correctly used.

Recommendations for implementation

To make sure the implementation of the features is not causing accessibility problems for web authors with disabilities:

- avoid drag-and-drop for choosing template, and/or always have a keyboard alternative;
- always provide one pointer alternative without specific gestures;
- always support keyboard navigation;
- consider keyboard shortcuts;
- do not rely on sensory characteristics as the sole indicator for understanding and operating content;
- do not indicate important information using colour alone;
- make sure there is enough contrast between text objects and its background colour.