

ADA Compliant Websites

What is ADA Compliance

Section 508 of the Rehabilitation act of 1973 ensures that millions of Americans with disabilities have equivalent access to information regardless of how they access it.

- Vision Impairment
- Hearing Impairment
- Motor Impairment
- Physical Impairment
- Psychological Impairment



Webpages & ADA Compliance

The Web Content Accessibility Guidelines (WCAG) 2.0 are becoming the industry standard for accessible websites. It outlines standards to be met but organizes them according to 4 main principles of accessibility

4 Principles of Accessibility

- Perceivable
- Operable
- Understandable
- Robust

<https://www.hhs.gov/web/section-508/making-files-accessible/index.html>

Audio/Podcast

- The goal is that all new produced audio/podcast files need to include transcript of the audio

Video

- The goal is that all new produced videos need to include close captions that are synchronized to appear when the audio is heard.
- If a video has visual content that cannot be understood through audio alone, an audio description will make your video accessible to users who are visually impaired.
- Transcripts of videos are helpful for making them accessible to people who have disabilities

Creating Captions for Video Files

What you need?

- Files:
 - Video MP4 format
 - Image 640x480px JPG format
- YouTube account
- Webtools account

How to do it?

- Upload your MP4 file to YouTube
- Wait 20-40mins
- Download the caption file in SRT format
- Login to Webtools
- Upload your video, preview image and caption files to your article

Creating Transcripts for Audio Files

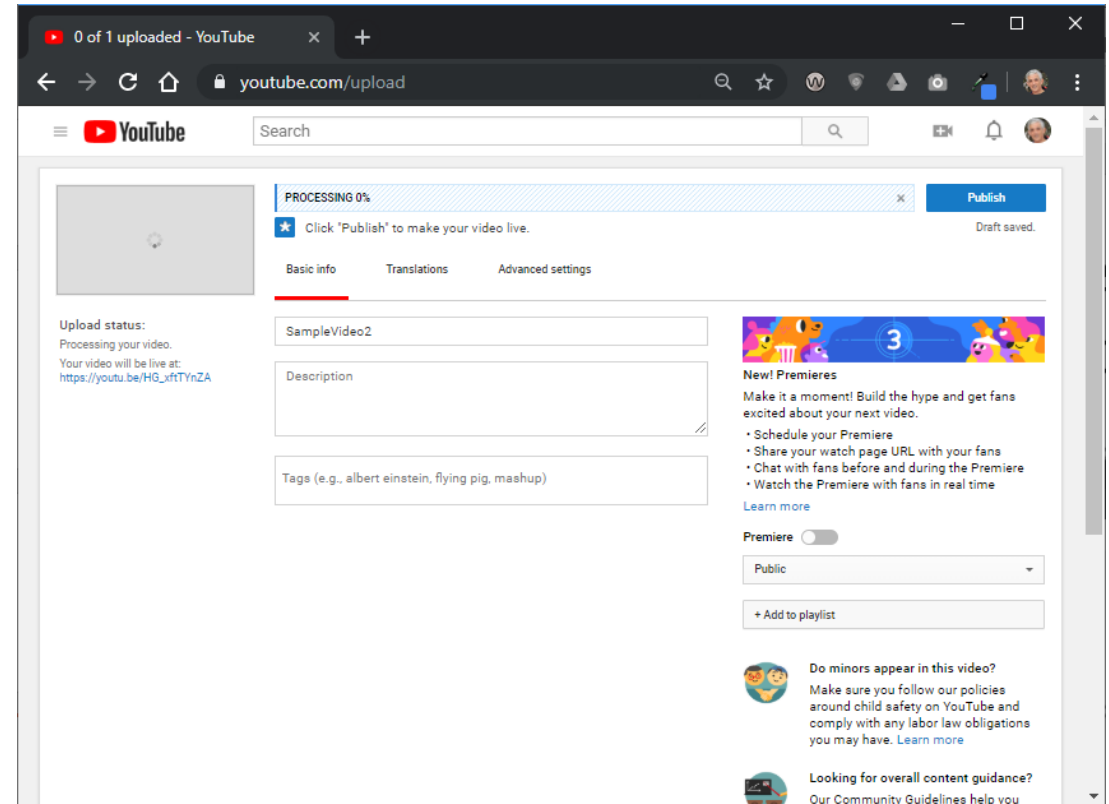
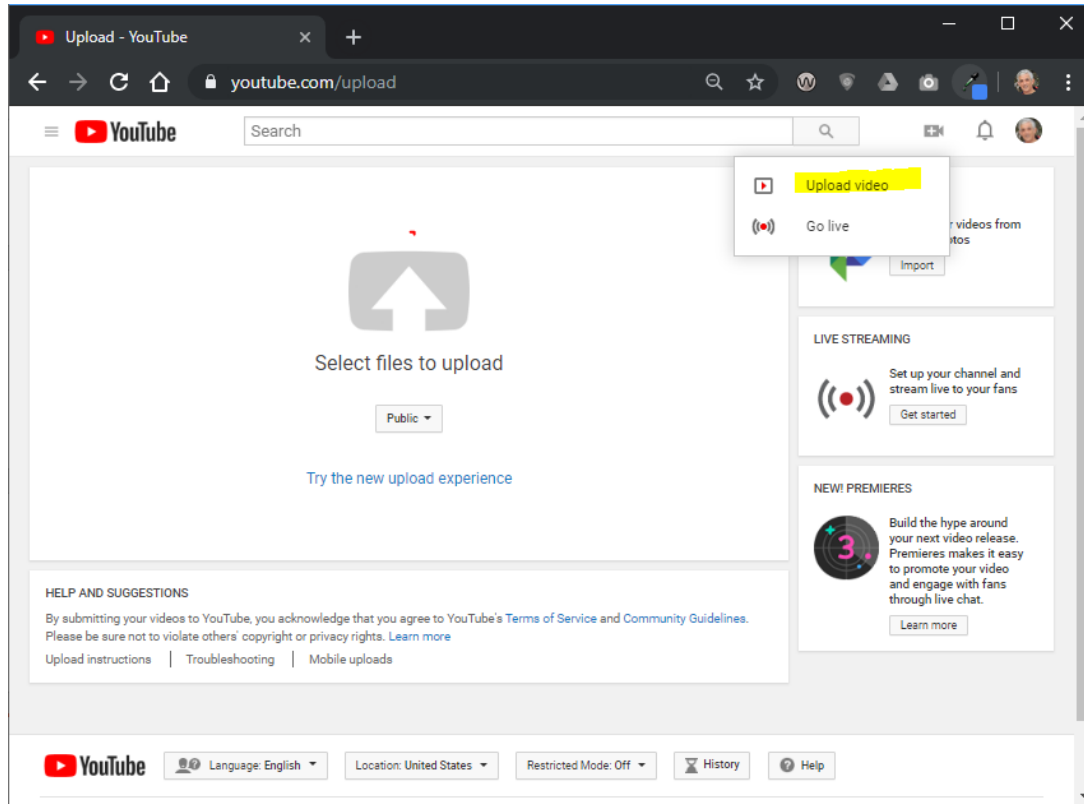
What you need?

- Files:
 - Video MP3 format
 - Image 640x480px JPG format
- Conversion tool #1
- YouTube account
- Conversion tool #2
- Webtools account

How to do it?

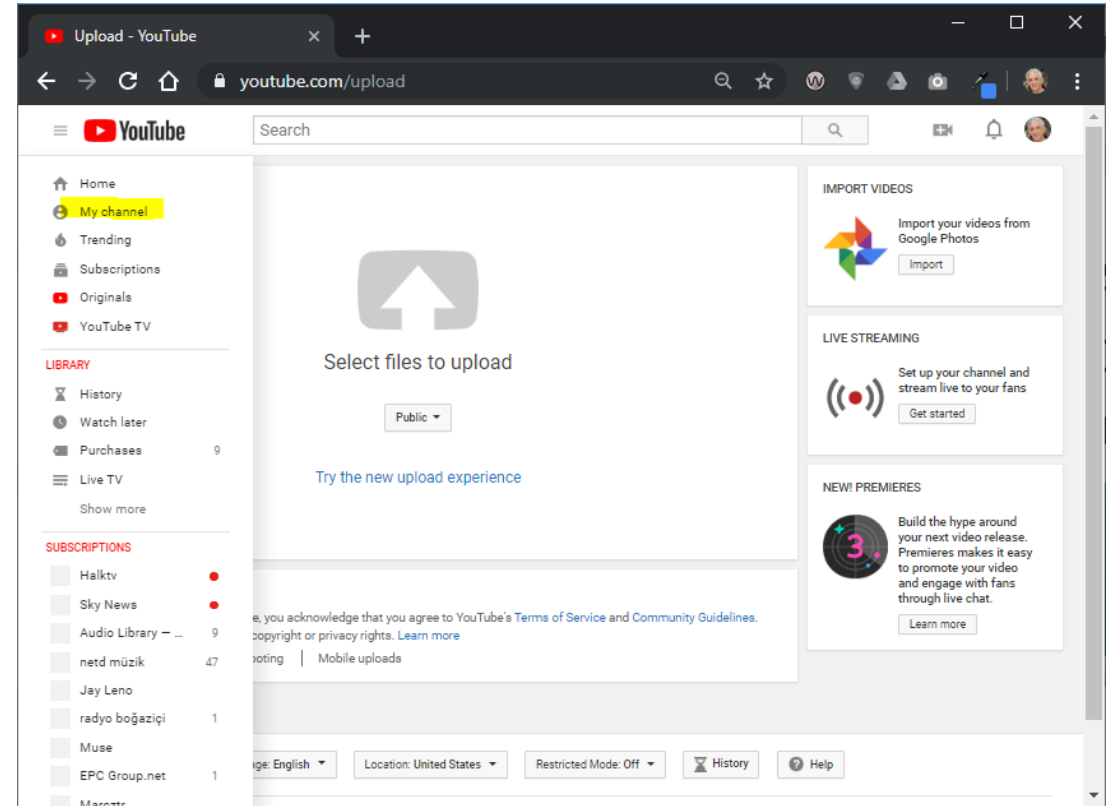
- Upload your MP3 file and Preview Image to conversion (<http://oneimagevideo.com>) tool and produce MP4
- Upload your MP4 file to YouTube
- Wait 20-40mins
- Download the caption file in SRT format
- Upload SRT formatted caption file to the conversion tool (<https://www.nikse.dk>) and produce plain text transcript file.
- Login to Webtools
- Upload your audio file and transcript files to your article

Step-By-Step Procedure: Creating a caption file for a video



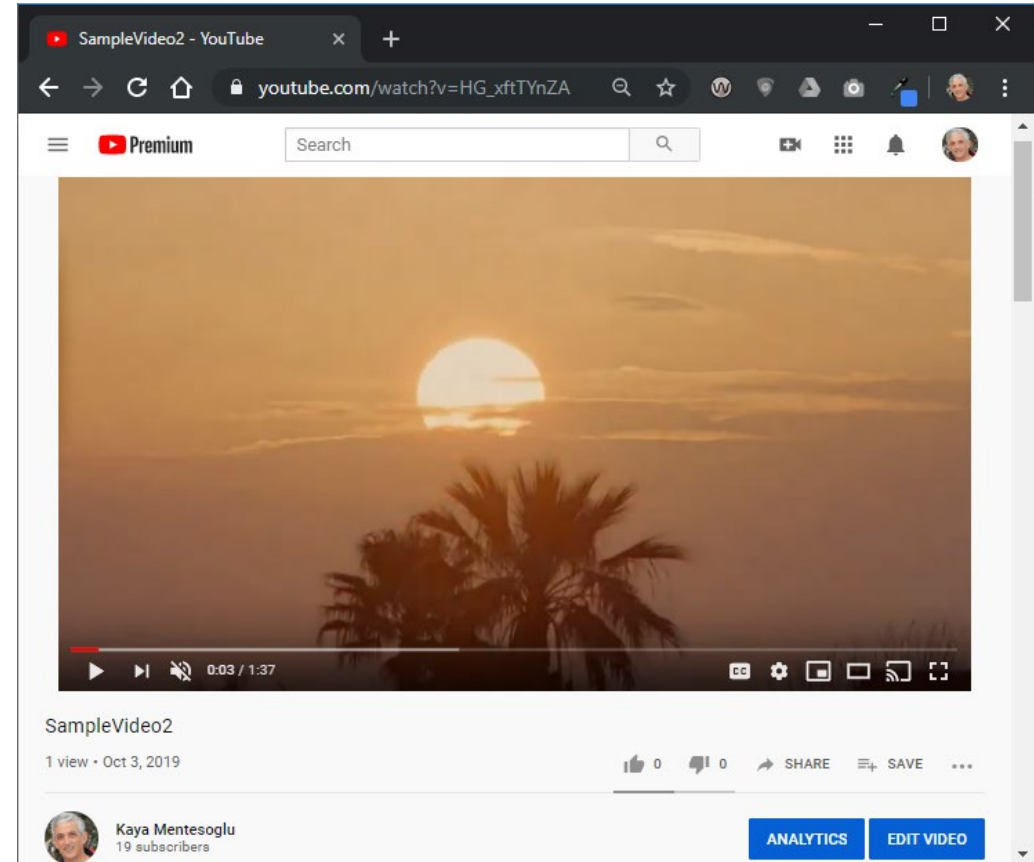
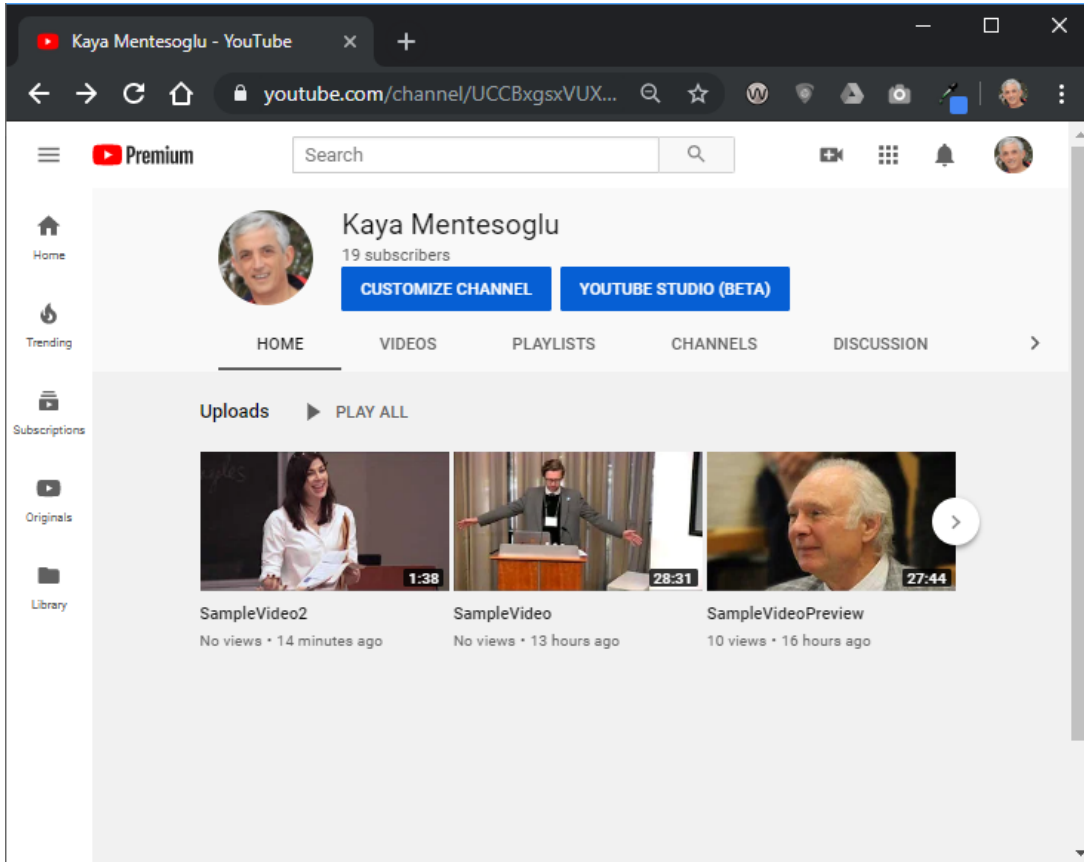
1. Upload your MP4 file to YouTube
2. Publish uploaded video

Step-By-Step Procedure: Creating a caption file for a video



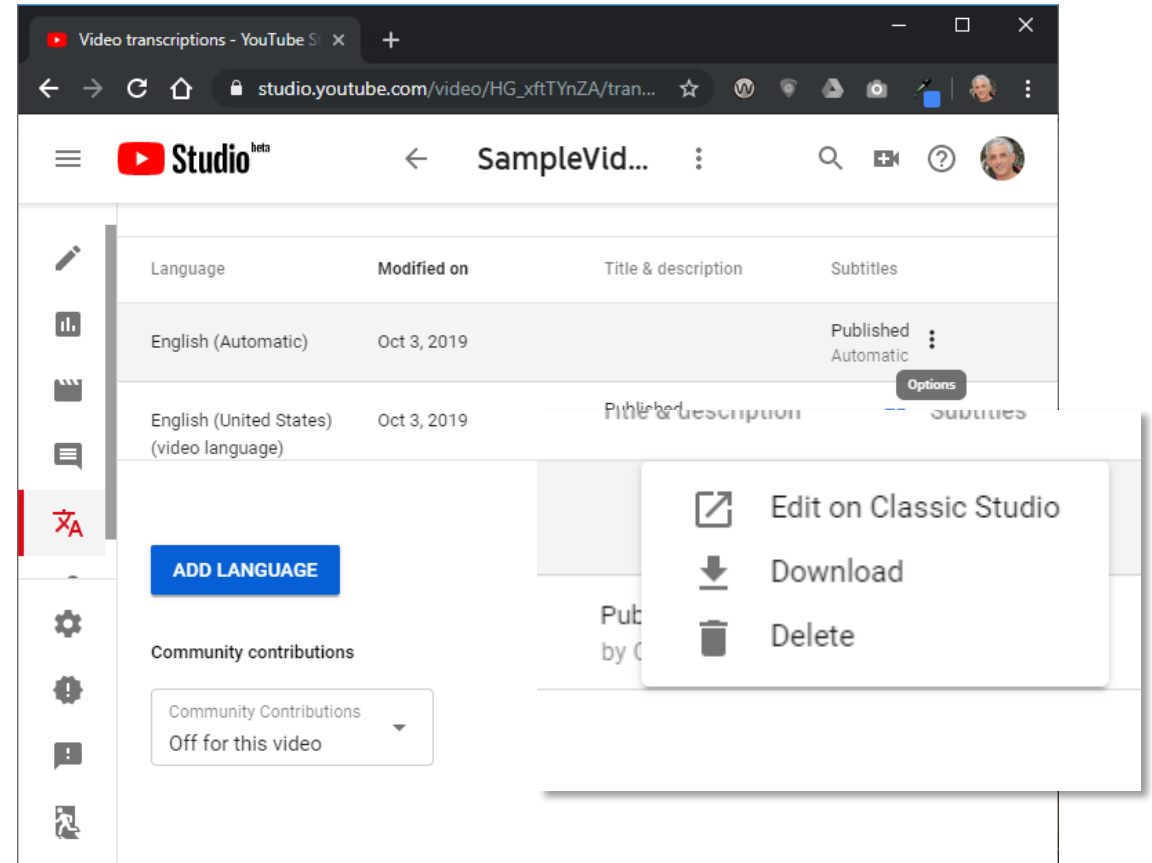
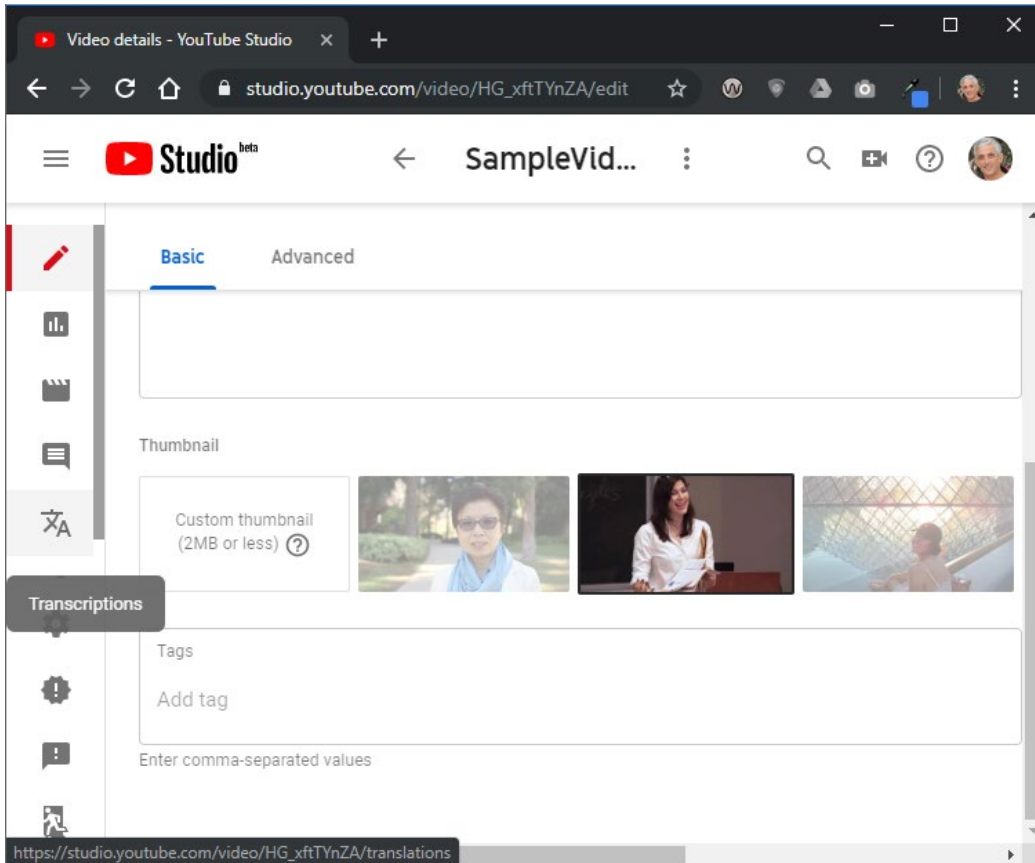
3. Wait 20/30 mins
4. Go back to YouTube & your channel

Step-By-Step Procedure: Creating a caption file for a video



5. Select recently uploaded video
6. Click on “Edit Video” button

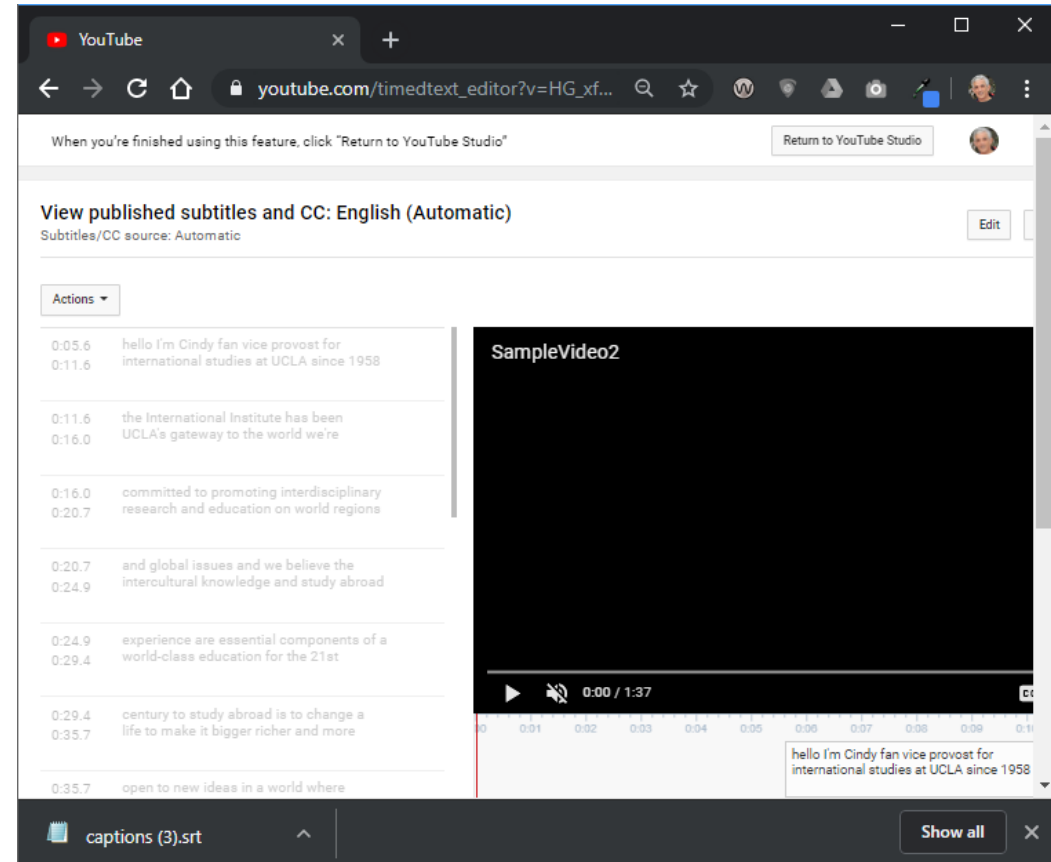
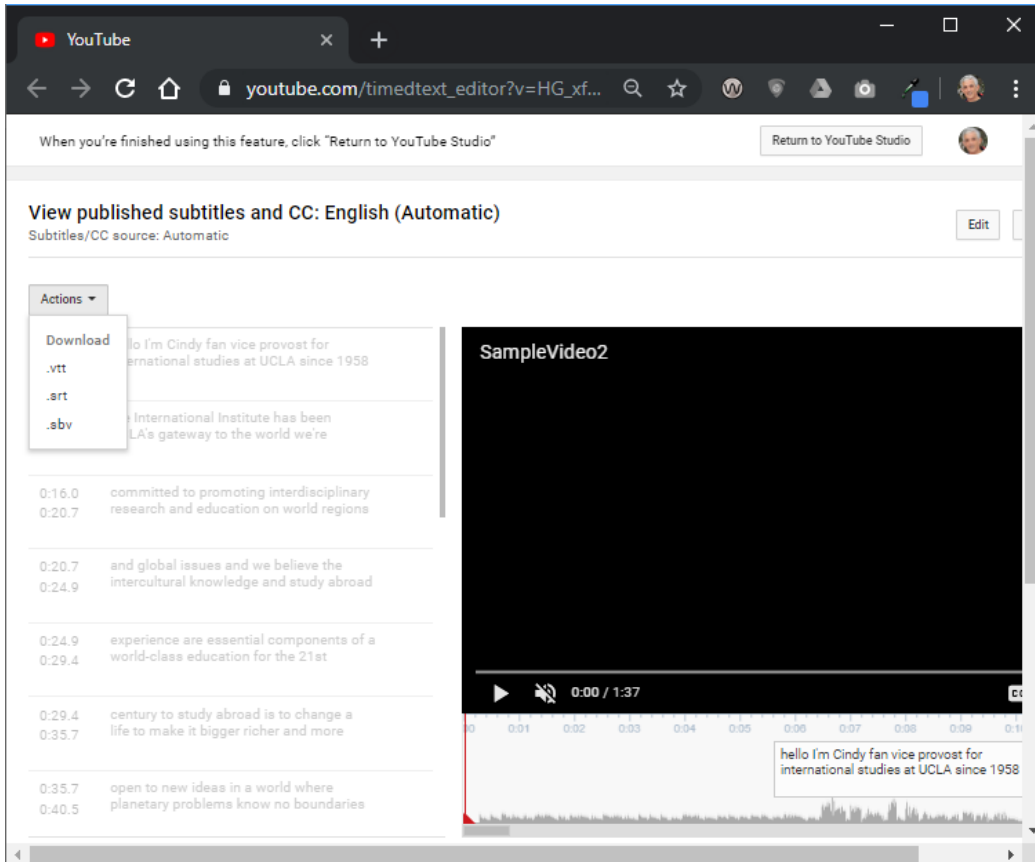
Step-By-Step Procedure: Creating a caption file for a video



7. Select Transcriptions from the left menu

8. From the menu next to “Publish”, Click on “Edit on Classic Studio” button

Step-By-Step Procedure: Creating a caption file for a video



- 9) Under “Action” dropdown, select **.srt** format file to download
- 10) Caption file will be downloaded to your computer in .srt format

Step-By-Step Procedure: Your video on your website

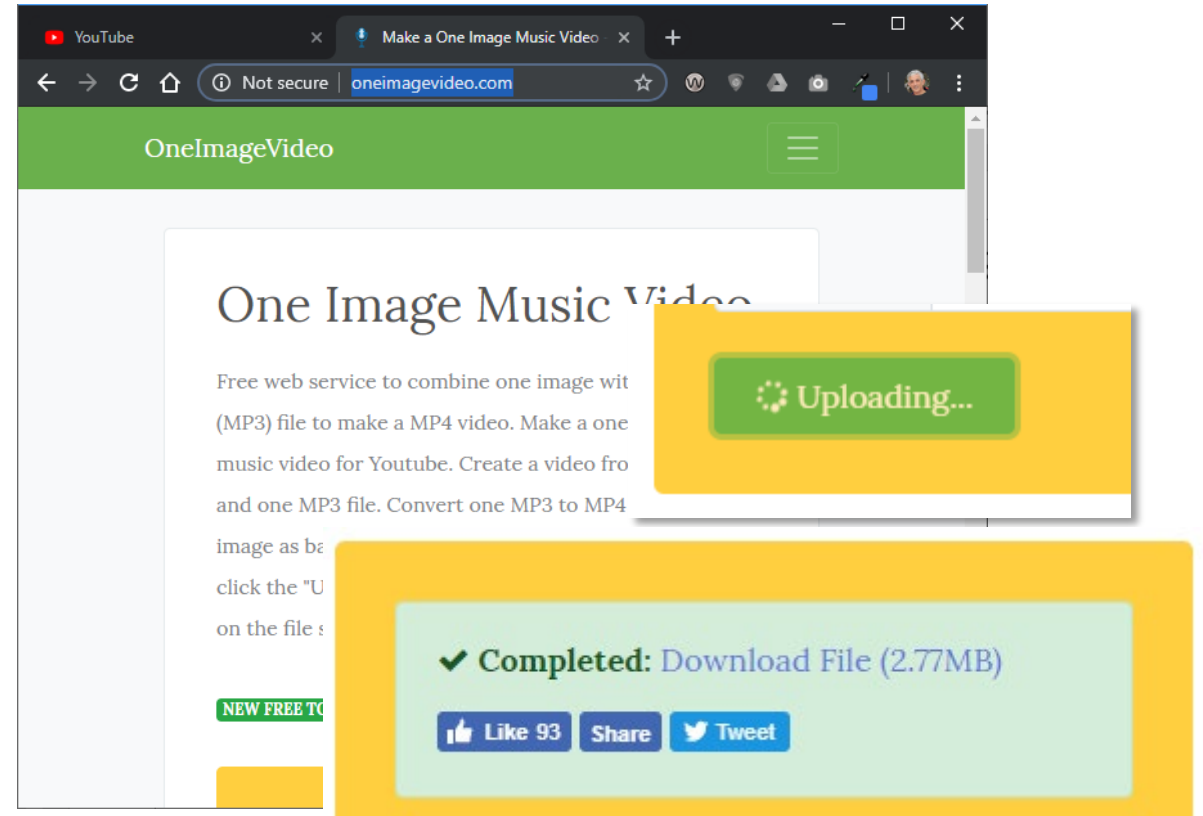
Make sure the following files ready & available:

1. A video file in MP4 format
2. Preview image for the video in JPG format 640x480px
3. Caption file in SRT format

Step-By-Step Procedure: Creating a transcript file for a podcast

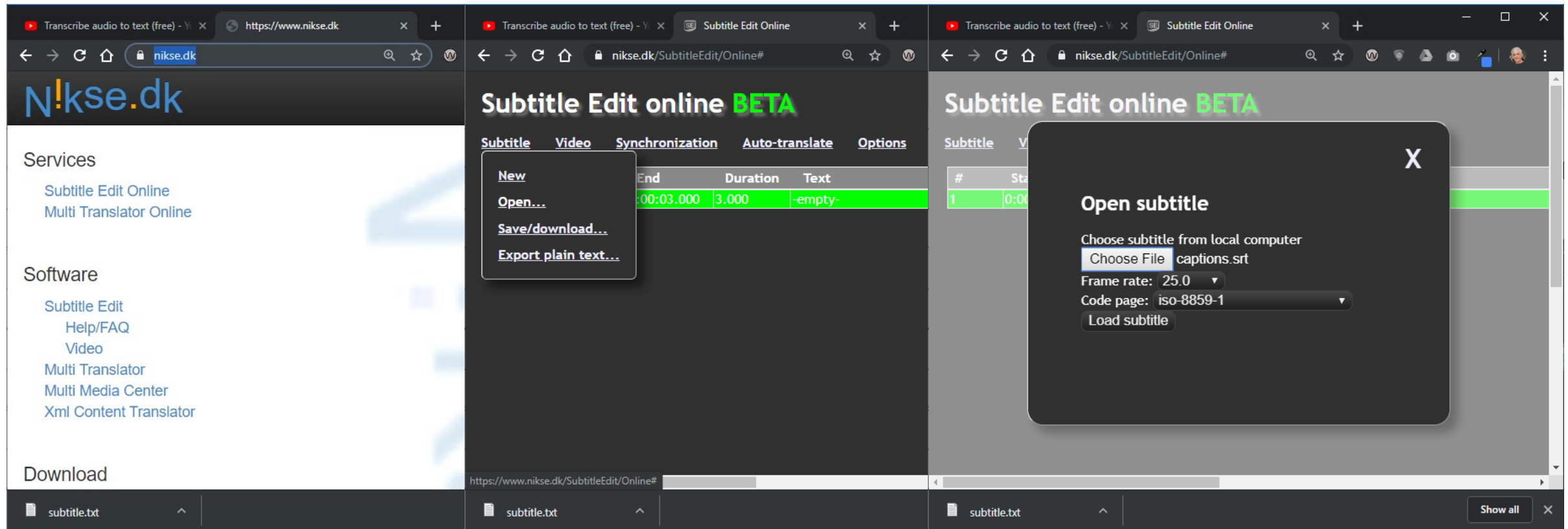
Make sure the following files ready & available:

1. An audio file in MP3 format
2. Preview image for the video in JPG format 640x480px



1. Goto “One Image Video” website
2. Upload your Image & MP3 audio file
3. Download newly created MP4 file

Step-By-Step Procedure: Creating a transcript file for a podcast



1. Goto "https://www.nikse.dk" website & select "Subtitle Edit Online"
2. Select Open from Subtitle menu
3. Click "Choose file" and a select caption file in SRT format
4. Click "Load subtitle"

Step-By-Step Procedure: Creating a transcript file for a podcast

The image consists of three side-by-side screenshots of the Subtitle Edit online BETA web application. The first screenshot shows the main interface with a table of subtitles. The second screenshot shows the 'Subtitle' menu open with 'Export plain text...' selected. The third screenshot shows the 'Export plain text' dialog box with 'Merge all lines' checked and 'Download plain text' button visible.

Subtitle Edit online BETA

Subtitle Video Synchronization Auto-translate Options About

#	Start	End	Duration	Text
1	0:00:05.629	0:00:11.638	6.009	hello I'm Cindy fan vice prov
2	0:00:08.308	0:00:13.618	5.310	international studies at UCLA
3	0:00:11.638	0:00:16.048	4.410	the International Institute has
4	0:00:13.618	0:00:18.269	4.651	UCLA's gateway to the world v
5	0:00:16.048	0:00:20.730	4.681	committed to promoting inter
6	0:00:18.269	0:00:23.099	4.829	research and education on wo
7	0:00:20.730	0:00:24.899	4.170	and global issues and we belie
8	0:00:23.099	0:00:27.329	4.230	intercultural knowledge and s
9	0:00:24.899	0:00:29.428	4.529	experience are essential comp
10	0:00:27.329	0:00:32.579	5.250	world-class education for the
11	0:00:29.428	0:00:35.729	6.301	century to study abroad is to
12	0:00:32.579	0:00:38.399	5.821	life to make it bigger richer a
13	0:00:35.729	0:00:40.520	4.790	open to new ideas in a world w
14	0:00:38.399	0:00:43.979	5.580	planetary problems know no b
15	0:00:40.520	0:00:46.649	6.130	whether climate change health

Export plain text

Options

- ☐ None
- ☒ Merge all lines
- ☐ Unbreak lines

☒ Remove styling

Download plain text

5. After the file loads, select “Export plain text” from “Subtitle” menu

6. Check “Merge all lines” check box

7. Click “Download plain text” to download

Step-By-Step Procedure: Your podcast on your website

Make sure the following files ready & available:

1. An audio/podcast file in MP3 format
2. Transcript file in DOC or PDF format

ADA Compliance Resources

References

- US Department of Health & Human Services
<https://www.hhs.gov/web/section-508/making-files-accessible/pdf-required/index.html>
- Academic Accommodation Services:
<https://www.ucop.edu/construction-services/programs-and-processes/cpi/understanding-the-new-ada-for-uc-campuses.html>
- ADA @ UCLA
<https://www.ada.ucla.edu/>

Tools

- One Image Video (MP3 to MP4)
<http://www.oneimagevideo.com/>
- Nikse (SRT to TEXT)
<https://www.nikse.dk/>