

**CPS621 Winter2022**  
**Lab05 Report**  
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**Work to Do:**

**Part 1A** – You will need a video editor to do this lab. You may choose any editor we listed in class, suggested for your final project, or of your own choice.

For this Lab, I decided to use OpenShot video editor to edit video files. This software allowed me to do this lab with ease and it's very simple to use. I also used Matlab to edit audio and video files, same as lab04. This software is free to use for me.

**Part 1B** – Choose a short poem or essay, read aloud and record your reading using any voice recording app or online voice recorder.

I have chosen the poem by Emily Dickenson. I have recorded the poem in my voice by using my iphone's voice recording app.

**Part 2** – Choose and download an online video that you think may match the contents of your poem.

I have downloaded the music video with duration of 0.41s to use for this part. I use the matlab similarly as last lab04 and edit video to separate audio and video then kept as video needed for this lab. The video was taken from YouTube similarly I did in lab04.

The following website was used to download the video:

<https://www.y2mate.com/en68>.

Video Link:

<https://www.youtube.com/watch?v=H9154xIoYTA>

**Part 3** – Choose and download a piece of online music that you think may match the contents of your poem.

I download a soft piano music file from online free audio clips site.

**Part 4** – Using the video editor to remove the original audio track of the downloaded video, and then combine the downloaded music (as background music) and the recorded audio with the video channel. You need to edit the video, music, and audio to make them match each other in length. The duration of the output video should be between 30 to 60 seconds.

As in part 2, I use the method above to remove the audio from the video. I use the OpenShot video editor to edit all the files; recorded voice file (poem02.m4a), background video file (bg\_video.avi), poem image file (poem01.jpg) and background music file (Soft-piano-music.wav). I edited the all four files to create the required video. The audio and video tracks are length matched. The video's resolution is 720P (1280x720). The audio is stereo, sampling rate is 48 KHz. The duration for both the video and audio track is 41 seconds.

**Part 5** – Add the text of your poem/essay as caption/subtitles to the generated video. Try to synchronize the caption/subtitles with your reading.

Using the OpenShot video editor, I was able to insert closed caption into the video without any issues. It can be seen in the edited video.

**Part 6** – Export the final video with caption/subtitles in “.mp4” format with 720p resolution. If your editor does not support “.mp4”, save it to another format and then convert it to “.mp4” using an online video converter.

Using OpenShot video editor Export feature, I exported the video in .mp4 format and with 720P resolution. The video’s size is around 60MB. Which is not bad at all, conserving the video is around 41 seconds long.

**Part 7** – Upload your final video to any online repository, like Google Drive. Please watch the restriction of your shared link and make sure that everyone with the link can access it.

Since the video is only 60MB long, I upload this video with my lab 5 report on D2L. I also uploaded the video on Ryerson Google Drive, where the user can watch the video without downloading it.

[https://drive.google.com/drive/folders/1a3NrvnZ2x\\_b-W-fUnnGlluWrrloXMmOv?usp=sharing](https://drive.google.com/drive/folders/1a3NrvnZ2x_b-W-fUnnGlluWrrloXMmOv?usp=sharing)

## Report: Q&A

- 1. A summary of all the components (poem/essay, video, music, etc.) used to construct your video, including the URLs if you found them on the Internet.**

Answer: I have chosen the poem by Emily Dickenson. I have recorded the poem in my voice by using my iphone’s voice recording app.

I have downloaded the music video with duration of 0.41s to use for this part. I use the matlab similarly as last lab04 and edit video to separate audio and video then kept as video needed for this lab. The video was taken from YouTube similarly I did in lab04.

The following website was used to download the video:

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Video Link:

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I download a soft piano music file from online free audio clips site.

- 2. A description of the apps, software, or websites you used for this lab.**

Answer: OpenShot is free Video editing software. It is pretty much industry standard video editing software. I used this software to create the video for lab 5 assignment.

- 3. A detail of what you did with these components to construct your video.**

Answer: I will list all the steps I performed to create my Lab 5 Video.

1. First, I download the YouTube video that matches the poem that I choose to use. I download this video: <https://www.youtube.com/watch?v=H9154xIoYTA>
2. Then, I inserted this video file into my Matlab software and removed all the audio tracks.
3. Then I inserted the close captions using the OpenShot video editor Software’s Caption tool
4. Then I recorded my voice over that reads the poem aloud. I used a iphone’s software to do this.
5. Then I inserted the voice recording into the video along with other files using OpenShot video editor.

6. I inserted all the files on to OpenShot video editor tracks that you have seen in above into my video. Once I had everything inserted and edited, I exported the video as .mp4 file format.

**4. Include the link of your shared video in your report.**

Since the video is only 60MB in size, I uploaded it with the lab 5 report. I also uploaded it on Ryerson Google drive.

[https://drive.google.com/drive/folders/1a3NrvnZ2x\\_b-W-fUnnGlluWrrloXMmOv?usp=sharing](https://drive.google.com/drive/folders/1a3NrvnZ2x_b-W-fUnnGlluWrrloXMmOv?usp=sharing)