Alumni Video Donations M9

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May 18, 2022

1 General Progress Report

As of May 18, the project will be in its final stages of development as we prepare for our end-of-the-year presentations this coming week. The program-breaking bugs from the last milestone have been squashed, and we are preparing to input over 2,000 WWU donors through our Python program so that the final stitched videos can be sent out to them before Give Day on May 26th. This will require the Alumni team to split the input entry amongst themselves and closely monitor run-time performance and any bugs that might happen during the weaving process. The majority of the work done between this milestone and the last milestone was having our program reviewed by Dr. Jagodzinski and updating video content, images, and clips where required. The main intuition behind this was to ensure that there we unique clips for three types of recipients: recent graduate alumni, older graduate alumni, and non-alumni. Jagodzinski will also perform some basic CSS and formatting maintenance on the webpage before having our team deploy the final version of it online. Some additional last-minute video footage was recorded as well. The weaving program was updated so that multiprocessing passes less data between processes to speed up performance and saves work if the program happens to crash. It can also distinguish between different image types and handle those accordingly to avoid visual bugs during video weaving.

Some things that yet to be completed before the end of the quarter is writing a user's guide that will instruct faculty and future students working on the project on how to use the content found in both our GitLab and Google Firebase repositories. Code and files will undergo one final look and be cleaned up, organized, and commented thoroughly and feedback from post-Give Day activities will be assessed.

2 Team Accomplishments

- Formatted and split up xlsx files from client to be used in final project
- Updated program to run more smoothly with multiprocessing and keep track of where it was if it exits in the middle of running
- Reformatted and updated website layout to be more visually pleasing and user-friendly
- Added and removed clips to make videos more coherent
- Ran multiple large-scale tests to ensure program can run on a large scale
- Began process of cleaning up code to make sure the program is readable for another group in the future

3 Goals Met

- Video content and formatting is completed. Project is ready for final performance and operation checks.

4 Goals Not Met

- All 2000+ donation videos not built and uploaded to Firebase.
- All videos sent out to donors.
- Have the website completely designed (able to put attention towards videos as links are not going out until May 25)
- Finalize copyright and ownership rights to the project and create a final credits/acknowledgements list.
- Finish user documentation.
- Demo the program usage to our client.
- Completely clean code, files, and file structures within Google Firebase and the Gitlab repo.

5 Updated Expectations

See section Quarter Plan below for more details

- Weeks 7-9:
  - Finish designing videos
  - Make the videos
  - Give administration the XLSX file of donors and video links
  - Clean up/comment code
  - Documentation
  - Prepare and give the 493 presentation
- Weeks 10-11:
  - Incorporate feedback from give day
  - Clean up/comment code
  - Documentation

6 Branch Description

- master - All the most current project work is pushed to this branch (code, resources, documentation, etc.)
- MS-2 - All project work pushed before Milestone 2's date.
- MS-3 - All project work pushed before Milestone 3's date.
- MS-4 - All project work pushed before Milestone 4's date.
- MS-5 - All project work pushed before Milestone 5's date.
- MS-6 - All project work pushed before Milestone 6's date.
- MS-7 - All project work pushed before Milestone 7's date.
- MS-8 - All project work pushed before Milestone 8's date.
- MS-9 - All project work pushed before Milestone 9's date.

7 Quarter Plan

- Week 1 (Mar 28 - Apr 1)
  - Multiprocessing
  - Refine videos
  - Update CSV reference in program
  - ~~Add access tokens~~ (unnecessary for our project)
  - Test on videos 2-30 (with upload turned off)
- Week 2 (Apr 4 - Apr 8)
  - MS6 (Have access token working, make headway on multiprocessing)
  - Multiprocessing
  - Refine videos
  - Begin hosting website on Firebase
  - Test on videos 2-30 (with upload turned off)
- Week 3 (Apr 11 - Apr 15)
  - Multiprocessing
  - Refine videos
  - Refine website hosted by Firebase
  - ~~Test on videos 1000 (with upload turned off)~~ (Moved to week 4)
- Week 4 (Apr 18 - Apr 22)
  - MS7 (Have multiprocessing working and video content well organized)
  - Refine videos
  - Refine website
  - Begin development on an installable executable
  - Test on videos 1000 (with upload turned off)
  - Begin full scale testing (10,000 videos) (expected to take a while)
- Week 5 (Apr 25 - Apr 29)
  - Monitor video making process (fix bugs)
  - Let client try product
  - Inspect output videos
  - Improve program
  - Refine videos
  - Refine website
  - ~~Begin development on an installable executable~~ (Moved to week 4)
- Week 6 (May 2 - May 6)
  - MS8 (Have begun refining documentation, ~~have website hosted by Firebase~~ (already accomplished), have an installable executable)
  - Full scale test again (10,000 videos) (expected to take a while)
  - Refine videos

  - Refine website

- Week 7 (May 9 - May 13)
  - Documentation
  - Refine videos
  - Refine website
- Week 8 (May 16 - May 20)
  - MS9 (Finish designing videos and begin production)
  - Documentation
  - Refine videos
  - Refine website
  - Make the videos this week and over the weekend
  - Monitor created videos
- Week 9 (May 23 - May 27)
  - Hand over the XLSX file containing donors and links to videos to CS administration
  - Documentation
  - Clean up/comment code
  - Refine website
  - Prepare for presentation
  - Videos sent out for give day (May 25-26)
  - Present! (May 27)
- Week 10 (May 30 - Jun 3)
  - Documentation
  - Clean up/comment code
  - Use feedback to from give day to improve product
- Week 11 (Jun 6 - Jun 10)
  - Documentation
  - Clean up/comment code

8 Team Member Accomplishments

- **Simone Davison - (Hours Worked: 23)**
  - **Updated multiprocessing to pass less data between processes. Now it is stored in a file.**
  - **Learned to not bog down other lab machines by running the program in TMP.**
  - **Recorded more videos.**
  - **Program now saves work upon crash.**
  - **Cleaned up final excel file of recipients.**
- **Andrew Lanum - (Hours Worked: 8)**

  - **Added music to make videos more professional**
  - **Fixed resolution bug that caused black bars to appear sometimes**
  - **Ran a large scale test successfully**
  - **Updated text and made new QR code ad to better meet client specifications**
  - **Began deleting unused or otherwise useless code**
  - **Removed strange and/or unusable clips from firebase**
- **Austin Morin - (Hours Worked: 15.5 hours)**
  - **Changed website wording and messages that dynamically change depending on the user's name.**
  - **Added play button overlay to video.**
  - **Debugged weave.py and ran a 50-video sample and tracked runtime.**
  - **Created some final bonus videos.**
  - **Started code cleaning.**