Alumni Video Donations M6

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1 General Progress Report

An alpha version of our project is currently completed. We are able to download photo and video content from an external Firebase account and weave these together. Our program also correctly appends a video URL link to an input CSV file for each donor. A rudimentary demo website has been created, which closely replicates what our donors will receive in their emails. Currently, our program does not satisfy our efficiency requirements and multiprocessing needs to be implemented into our program to speed up upload, download, and content weaving times. This system will incorporate eight concurrently-running processes to perform our program's main functionality and append our data to the output CSV file. In addition to multiprocessing, redundant and unused code needs to be either removed or overhauled as test cases that future developers of our project can utilize. There is currently a bug in our program that we need to resolve in which duplicate videos would be weaved together. Finally, our uploaded videos still need to be dynamically assigned access tokens so that when we upload new videos to our Firebase account or website we will be able to successfully fetch the video from Firebase and render it on our webpage. The user's guide for future developers of our project is partially complete and this exhaustive reference will be uploaded to both our git repository and our Firebase account.

2 Team Accomplishments

- Met with customer and finalized our program efficiency guidelines
- Complete Milestone 6

3 Goals Met

- Gave presentations for 492
- Obtained csv template from client

4 Goals Not Met

- Basic multiprocessing not fully added
- Add Western logos to our video content
- Add Credits to our video content
- Dynamically assign access tokens to our videos uploaded to Firebase
- Clean redundant and unused code
- Move website hosting to Firebase account

- Stress test our program
- Fix duplicate video weaving bug
- Test our program with our customer Filip Jagodzinski's sample excel file with 19 anonymized alumni

5 Updated Expectations

See section Quarter Plan below for more details

- Weeks 1-4:
  - Add multiprocessing
  - Refine videos
  - Add access tokens
  - Test on small amounts of videos
  - Clean up website and move hosting
- Weeks 5-9:
  - Begin large scale testing
  - Continue to refine videos
  - Develop documentation further
  - Attempt to turn project into executable file
- Weeks 10-11:
  - Continue website cleanup
  - Prepare and give 493 presentations

6 Branch Description

- master - All the most current project work is pushed to this branch (testing code, planning documents, etc.). Most all content now on Firebase
- 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.

7 Quarter Plan

- Week 1 (Mar 28 - Apr 1)
  - Multiprocessing
  - Refine videos
  - Update CSV reference in program

  - Add access tokens
  - 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)
- Week 4 (Apr 18 - Apr 22)
  - MS7 (Have multiprocessing working and video content well organized)
  - Refine videos
  - Refine website
  - Let client try product
  - Begin full scale testing (10,000 videos) (expected to take a while)
- Week 5 (Apr 25 - Apr 29)
  - Monitor video making process (fix bugs)
  - Inspect output videos
  - Improve program
  - Refine videos
  - Begin development on an installable executable
  - Refine website
- Week 6 (May 2 - May 6)
  - MS8 (Have begun refining documentation, have website hosted by Firebase, 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
  - Begin making the final videos (expected to take a while)
- Week 8 (May 16 - May 20)

  - MS9 (Have all the videos made and website finished)
  - Documentation
  - Monitor video making process
- Week 9 (May 23 - May 27)
  - Verify final videos
  - Videos sent out for give day (May 26)
  - Prepare for presentation
- Week 10 (May 30 - Jun 3)
  - Documentation
  - Use feedback to from give day to improve product
  - Present + watch presentations
- Week 11 (Jun 6 - Jun 10)
  - Watch presentations

8 Team Member Accomplishments

- **Simone Davison - (Hours Worked: 10)**
  - **Got multiprocessing to work on a test file**
  - **Test file is able to read and write an xlsx file**
  - **Pair Programmed with Austin**
- **Andrew Lanum - (Hours Worked: 4.5)**
  - **Attempted to add multiprocessing. Failed, but learned a lot about its implementation.**
  - **Started to upgrade website to look better**
- **Austin Morin - (Hours Worked: 6)**
  - **Co-programmed an xlsx reader and writer with Simone**
  - **Researched Firebase website hosting and made early attempts at configuring our website source files so that they are compatible with Firebase hosting**