WEEKLY REPORT - 3

Vrushank Agrawal	**What I did:** - Initialized Image class constructors and debugged most of the image editing functions - Completed Image class functions testing and integrated the testing environment in Github - Finalized OpenCV installation and integration with all operating systems and made them working **What I will do:** - Integrate Image read, write, and preview functions with the GUI - Test Image stitching functions to make image collages - Ensure initial integration of audio, image, and video functions in the GUI - Ensure the application is running on all devices
Duy Nhat Vo	**What I did:** - Added toolbars with icons - Researched on how to show image thumbnails - Tried to install OpenCV but encountered some issues **What I will do:** - Fix OpenCV - Implement image thumbnails - Add image and audio slider
Lucia Carai	**What I did:** - Managed to get OpenCV working on my device and can now display the full application so far - Made a plan on how to best create the video animations as part of the video class - Researched how to use OpenCV to display videos - Updated the trello board and explored some additional trello functionality to use the workspace more effectively (such as adding notifications for members which has increased the use of trello in the team) **What I will do:** - Since the work with video is progressing quickly, I will start working also with the image team - In particular, I will work on video dissection and image integration into video this week - Meet both with video team (to discuss animations) and image team (to get an update of their work) - Keep the trello up to date
Dimitri Korkotashvilli	**What I did:** - Created a simple video tester program, which turns an image into

	video. Wrote simple programs for writing videos and displaying them using opencv. - Made modifications in the video class and added some features. **What I will do:** - More or less the testing area(for videos) is completed, next week I'll test if everything is working(for video part) and then, after image class is tested, I'll use it in video class. - Meet with the video group and decide about animations. - Develop video class.
Lasha Koroshinadze	**What I did:** - Created the main beat detection method for the audio class. - Organized class variables. **What I will do:** - Implement resampling and audio transformation methods. - Compare and test results with real samples.
Hieu Le	**What I did:** - Implemented the image slider - Successfully extracted file path **What I will do:** - Implement image display - Connect slider with images
Minh Tung Nguyen	**What I did:** - Install OpenCV - Researched how to display video from OpenCV using Qt - Initialized the VideoPlayer class, which receives a VideoCapture from opencv and play it frame by frame - Created Play/Stop button to Play or Continue playing **What I will do:** - Create slider for the VideoPlayer - Try to create function to import image and video
Minjoo Kim	**What I did:** - Fixed menu bar and made them working - Managed to install OpenCV and running on my device and ran OpenCV successfully and integrated it with the application **What I will do:** - Design dialogue windows for settings and menu options - Add categories and link them with functionalities in the dialogue windows
Hayate Sasaki	**What I did:** - Researched Audio Processing Framework and familalized with it.

	- Made files with Cmake. **What I will do:** - Implementing audio functions and class and testing them. - Testing and improving the above.
Yufei Liu	**What I did:** - Setting up Qt and OpenCv - Doing researches on playing and editing videos using OpenCv **What I will do:** - Writing function that zooms the image during a certain time frame - Attempting to display preview of the effect
Yi Yao Tan	**What I did:** - Wrote up some stitching functions to stitch the images into collages - Created collage subclass of images. **What I will do:** - Finish and fix the stitching functions and make sure they work.