Front-end/Backend report

1. The current state of the project:
    a. The following **front-end features** have been implemented:
        i. Titles in the description area are redefined as title class, then font size and colour are adjusted.
        ii. “Converted” message font size and colour updated.
        iii. Sample images centered.
        iv. Description added to notify the user the wait time for conversion.
    b. The following **backend features** have been completed:
        i. Model has been integrated with the website
        ii. When uploaded images are deleted, so are result images which allows the user to use the website to continually convert as many photos as they wish
2. Changes in milestone:
    a. No changes
3. Current challenge
    a. N/A
4. A description of each component and how it was implemented
    a. Titles in the description area are redefined as title class, and then font size and colour are adjusted using HTML style tag. “Converted” message in the redirected page was updated in the same manner.
    b. Sample images are centered by centering text-align of image-area.
    c. Model has been integrated with the website by using python’s pickle to convert the pre-trained model into a series of bytes that is then loaded into the Flask application. After that, the model is fed the user uploaded image from the upload folder and outputs the result image into the result folder
    d. When uploaded images are deleted, so are result images which allows the user to use the website to continually convert as many photos as they wish. This was done by adding onto the deleteUploads() function from milestone 3 to use the same methods from Python’s os library to delete all of the images in the result folder. Since deleteUploads() is used whenever the user goes to the homepage to upload photos (whether it be initially or after some conversion) none of the past result or upload images will affect future ones.
5. The overall contributions of each member to the project
    a. Front-end was done by Han
    b. Back-end was done by Adriana

Machine Learning Report:

1. The current state of the project:
    a. The model works correctly on images of sizes approximately 512 by 512 to 128 by 128. Larger images take very long to process and smaller images do not have enough detail for the model to transform into a watercolor image.
    b. We were not able to train the model on video data since it would take approximately one week to fully train the model. This would take longer than the deadline of the project.

    c. The model produces good results on images with low intricate detail. This is likely because watercolor paintings do not typically have intricate detail. The model also produces good results on images of landscapes and various “nature-like” images.
2. Changes in milestone:
    a. No changes
3. Current challenge
    a. N/A
4. A description of each component and how it was implemented
    a. No new components were added to the project
5. The overall contributions of each member to the project
    a. Both Adrienne and Harjot contributed to this part.