Statement

In general, we achieve the goal that we set at the beginning of this project - to implement an application website that can transform sound into image, however, we initially designed 3 different modes of our website. While after we finished sprint 1, during which we implement the basic look of our website and the function of mode 1, we came to realize that we had set some too-high expectations and it was kind of unrealistic to implement all these 3 modes due to the conflict between the amount of work and the time our team members had. So we adjusted our plan and removed mode 3, instead, according to the feedback we got from sprint presentation, we decided to focus more on the social features and database. Finally, we nicely met our adjusted expectations in the end of this project.

During the whole development process, we have communicated and worked well with each other. We attended every meeting on time, assigned reasonable load of work to each team member according to the process of our project and the load of other courses after discussion. We reasonably divided the functions of our website so that team members can work independently and parallelly. If necessary, for example, when combining the audio input with the image output in mode 1, we also worked together. We are cooperative with each other and in general the development progress went smoothly.

In general, we have divided the load of work equally (50% vs. 50%) and finished our own tasks on time. The specific contributions of each team member are shown as follows:

JingXu (andrewId: jxu2):

1.Sprint1:
- a.UI Design
- b.Implement HTML(1,2,3,4) using fullpage.js plugin
- c. Frontend design
- d. Input-Web Aufio API and Recorder API

2.Sprint2:
- a.Build Django server
- b. Implement MVC
- c. Implement Lightweighted social feature and interface

3.Sprint3:
- a. Implement and improve User Interface
- b. Using DeepArt.api to filter pictures

JingweiFan (andrewId: jingweif):

1.Sprint1:
- a. UI Design

b. Implement HTML(5,6,7,8,9,10)
c. Audio transform to image algorithm design for mode1
d. Output-D3.js Drawing

2.Sprint2:

a.Build Django server
b.Implement MVC
c. Audio transform to image algorithm design for mode2

3.Sprint3:

a. Build database
b. ETL dataset and train model for algorithm using openCV
c. Deploy web applications on AWS