This is my first time I have been in New York and studied in Columbia University as a visiting student. Frankly speaking, I have gained a lot from this course. First of all, I gained a deep understanding towards how languages and their features were implemented. Before this class, I always complain about the language I use about why it could not be more convenient for programmers to use, now I feel appreciate to those who designed these languages and respect these languages from the bottom of my heart. Besides, this is also my first time I have studied and used functional programming language, which offer me a precious opportunity to broaden my programming thinking. Additionally, this project made me realize the importance of a general view of the whole project. I was anxious to get down to coding as soon as I thought I was able to do something for the project, however, after several hours working I just deleted all my codes because I found them useless. After talking with one of the group member, I realized that I was lack of a general view of the whole project, which resulted in my difficulty in getting start in detail. I believe the general thinking I learned from this project will be of great importance to my future study.

There are two suggestion I would like to offer to future group. First, make a plan early and get to start early. This is significant to not just avoid last-minute crunch but complete a satisfying project and get the most out of this course. Secondly, teamwork is the next thing I would like to emphasize. At first, we had group meeting once a week, but later we found it was not enough and we had meeting several times a week, and in fact this increased our efficiency a lot. Whenever you encounter with difficulties, you could ask your group members for help, because the group can provide an important resource for the whole project, including asking questions as well as deciding on the best plan for implementing language features.