**Reflect upon the following questions that focus primarily on your preparation process for completing the project, as well as on your learning.** Some of them may be answered with a simple “yes” or “no” response.

1. Did you underestimate or overestimate the amount of time needed to complete each step involved in the project?

Overestimated

1. Did you schedule time each day to work on the project?

I fell ill, and having done so sadly no. I relearned stuff from earlier in the semester and was able to get it done however.

1. Did you review and understand the rubric for the project?

I believe so, I have a tendency to gloss over at times and go off the rails, but I don’t think I strayed too far from what would have been expected.

1. Did you recheck the rubric before turning in your project? Did you make sure that your project met all the expectations?

Yes.

1. What did you find the most challenging aspect of this project? Why?

I still have trouble mapping it out before starting. I think I am getting better at that, however I can't tell at times.

1. If you got help from someone(s), who helped you? What was the nature of the help?

No help.

1. What did you find the easiest aspect of this project? Why?

I think getting the basics out of the way is the easiest part for me, though there isn’t much intuition that goes into it.

1. What do you feel was the most beneficial thing you learned from working on this project? Why?

Admittedly I’m not sure.

1. What changes could I make to the project that would improve it for future learners? Why?

I am not sure in this case at first. But on second thought, I think for projects, having them be done using Python rather than with Jython might be more beneficial for students. While it is fine using Jython for class work, I think being able to use the actual language might feel nicer for students too.

1. What did you do differently for this project that you talked about on a previous project reflection paper? (Skip this question for Project 0.)

In terms of making this project as opposed to project 0, I don’t think I really did anything different. Not that I can remember at the very least.

**Final Reflection:**

I don’t know if it was more difficult to learn how to make this program or not, but I will say that it was one that I was much less excited for than the first. I think there is something about working with images that makes me feel as such which is kind of odd. I do find pixels and them as data quite interesting, but at the same time it isn’t as exciting to me as learning about something like logic, classes, and objects(Though I understand some of those concepts are here as well). I ended up having some health conditions spike at a bad time as well, but thankfully they ended up not making it as hard for me to do this project later rather than on time.