

**From a process point of view, what went well? What could you improve? Other possible reflection topics: Was your project appropriately scoped? Did you have a good plan for unit testing? How will you use what you learned going forward? What do you wish you knew before you started that would have helped you succeed?**

Compared to project one, I found the material harder and takes longer to develop. Since recursion is new to me, I had a hard time thinking through the logic and trying to identify the correct use of recursion, for loop or while loop. I wish there are more reading journal for practicing recursion beforehand. However, given the challenges from this mini-project, I definitely think I understand recursion a lot more in terms of identifying the base cases and setting down the correct logic without given instructions like MP1. This project also helps me to understand the power of computation in a different regime using function composition. What I will carry on with this experience is to draw out the logic of the function I want to create in a state diagram just like the one given in MP1 and develop each state step by step instead of trying to think through every cases in my head.