**Reflection on the Final Project**

Pranay

FA21-CPSC 60000

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Final Topic : Drone traffic management for emergency delivery services

This method was made simple and straightforward after reading the book, looking over the examples, and then playing with the code. I began the final project early and began implementing single patterns right away. I began with the decorator pattern and worked my way up to the factory pattern. This was not a difficult task for me. When I had to apply more than two patterns, I got into difficulty.

I implemented one design, then tried to push another on top of it, and then tried to do the same with the third. I didn't have a strategy for all of the patterns that would be used, so I had to shove them into the code in an unnatural way. I now have a lot better understanding of the situation. If it makes sense to use a pattern then it should be used but it should not be used just to use it. I didn’t have too many surprises along the way but looking back I would have had a plan to incorporate all four patterns into the design before starting.  Just having a simple concept of how I would do that would have helped immensely in a GUI enviromnment.