

The method we use is agile iterative, which we experienced in our class. At first, we talked about the structure of our project and got a UML diagram to split the whole project into many different parts. So we can focus on just one part every time and finish our project. We got five classes, Attribute, AirSample, AirSystem, Sensor. And we thought functions that interact with user should be put in AirSystem class and we also did this. We listed every class in post it separately and set priority for them. First, we created classes and finished the whole structure of this project. After that, we finished every function in this project. This was our first sprint. In our second sprint, we talked about the structure and found some better ways to achieve our goal. Also we tried our best to make code concise, which is always my habit. In third sprint, I added test part for the whole project. And we talked about the result we get from this sprint. There were still some corner situations we did not think about. So we fixed these bugs in fourth sprint. This is what our procedure during the whole project.