

The integration style that my team used was top down integration. Top down integration works the best for our project because we have two main parts to our program, the front end and the back end. The front end would be doing the decision making and the back end would be doing most of the work based on the decision of the front end. We started with the front end of the program. The front end was first implemented to be able to make decisions based on the user's decisions and then be able to tell the back end what to do and give it what it needs to do it. We wanted this integrated first so that we would be able to test the backend correctly. The back end is the lower level and where the actual changing and operations happen. The back end is given a playlist from the front end and is told to change it. The back end then does all the work in creating different clusters to organize the data that it's given, and then redistributing that data into a new dictionary for the front end to receive, so that it can give it back to the user. After more time and working with the code, my team I discovered new ways to write our code to make it more efficient and work better overall. Unfortunately, for some points that did mean that we had to make some bigger changes in the front end and back end to make it work.