Integration Strategy

During the first group meeting for project 4, our team eventually decided to assign half of our team members with GUI setup and the other half work with web scraping. The reasoning behind the choices we made that is different than our previous project planning is because most of us are not familiar with web scraping and creating GUI using Qt. Although by saying we split the groups into two doesn’t mean that we will work on both of them at the same time due to the fact that without GUI, web scraping can be unstable. Since there might be little to no time remaining before the due day, we may not have much time to fix large number of bugs, so the best integration strategy we chose is Bottom Up Integration.

At the development phase of project 4, two goals will need to be accomplished, Setup GUI and web scraping from restaurant rating website for project 3. Both tasks require some basic understanding, but since it’s our first time working with such project, we needed to be able to study them while developing at the same time, this will extent our work time and shorten our testing time before the due day. Since it is hard for us to test our GUI and web scraping at the same time, we need to divide them into two tasks, one for GUI and one for web scraping. Testing the code for both of them should be easy since we have our base code written in project 3, we can use that to test our GUI and web scraping, but it’s necessary to complete GUI first then web scraping to start the testing. This will allow us to find any possible bugs before merging the two and giving us more time to test out the final product and adding additional functions to the project if possible.