THE PROJECT DESIGN:

The overall description of what the final goal entitles, is needed for the sake of planning of the project's design going forward. Briefly, the project's purpose can be summarized as application of the specified colour filters to the intended image object. The four major steps to the implementation of the code is as follows:

1) a user interface will prompt the user to load the intended image for filtering, or quit out of the program, immediately after the code is compiled.

2)The procession of the desired filter has to be achieved cumulatively as instructed, meaning the applying another filter on top of the previous one should result in the mixture of both, containing both filters.

3) The interface will contain the filter options in written form besides the "quit" and "Load Image" options. To be able to choose an option, the user will have to enter the key letter beside the option that is intended for use. Any entry that is not valid will result in a message of error, stating the invalid command or option, which will prompt the user back to the main interface again.

4) Another essential step to the project is the coding and testing of each individual filter that will be implemented in the program. The number of filters will be quite high as it will be over 12 colour filters. Therefore, the code for each filter will be written incrementally over time as the workload will be distributed between the members of the group.