# Performance Approach

The evaluation of the performance of the project is paramount due to being able to look at how the project can be added to, maintained and also how it runs if it were an actual program being used. This is done by looking how fast it compiles and how easy it is to be taken elsewhere and still ran and how much memory it takes up when loading.

## Computational Efficiency

X

## Reliability

X

## Security

X

## Portability

X

## Maintainability

X

## Scalability

The way the code is set up allows the program to be easily added to later on in development, as each function is called from the menu and then the functions are kept separately. This also means that it can be synchronised when multiple people are adding to the code and Github commits can be completed more successfully. Also, due tot eh fact it is a command line based program, it is able to be added to slightly easier as new graphical interfaces don’t have to be made and instead one can just create a new function and add a text based number code that locates it in the menu.

Another aspect of how scalable the program is being the fact it can work with only a few flights and plane information and also millions of the same data. How efficient the program is could be tester however due to the data structure of SQL it would allow millions of data entries and still be as easy to read from, although it might take a little longer to search through the file. This would be necessary for the system due to the fact it’s an airport system that would contain lots of flight codes and passenger information.