**Declaration:**

This is to certify that this project is our own work, based on our personal efforts in studying and applying the concepts learned. We have constructed the functions and their respective algorithms and corresponding code by ourselves. The program was run, tested, and debugged by our own efforts. We further certify that we have not copied in part or whole or otherwise plagiarized the work of other students and/or persons.

Ethan Lester Chan, S17

1210828

John Kieffer Recato Dy, S17

12109371