Project Report of *Operating Systems*

Project title:

Project number: Project 1

Course number: COSC 4337

Student's name:

Date handed in:

Table of Content

Problem Statement

Specifying the problem requirements forces you to state the problem clearly and unambiguously to gain a precise understanding of what is required for its solution. Your objective is to eliminate unimportant aspects and zero in on the root problem. This goal may not be as easy to achieve as it sounds. You may, for instance, need more information from the person who posed the problem. .

Analysis

Analyzing the problem involves identifying the problem *inputs* (the data you have to work with), *outputs* (the desired results), and any additional requirements for or constraints on the solution. At this stage, you should also determine the format in which the results should be displayed and develop a list of problem variables and their relationships. These relationships may be expressed as formulas.

Design & Class Prototype

Designing the algorithm to solve the problem requires you to develop a list of steps (an **algorithm**) to solve the problem and then verify that the algorithm solves the problem as intended. Writing the algorithm is often the hardest part of the problem-solving process, you could use the pseudo-codes or diagrams to describe it. The old proverb that a picture is worth ten thousand words is often true. Design information, in particular, can frequently be conveyed much more effectively with drawings or charts than with words alone.

Class prototype is the contract of a class, as an outline class declaration showing only public fields and the heading of the constructor and methods. Display the class prototype and also show the relationship between different classes.

Testing

Testing and verifying the program requires some testing cases to verify the completed program working as desired. Don't rely on just one test case; run the program several times using different sets of data, making sure that it works correctly for every situation provided for in the algorithm.

Take the screen shots of your results and paste in your report, make sure that it is a correct one.

Conclusion

Concluding your project gives a few sentences to conclude your project. If it is an unsuccessful one, then what is the reason why you failed?