

Computer Science and Information Technology Department College of Engineering

CSC308 – Spring 23-24

Assignment#2

The Producer-Consumer Problem is a classic synchronization problem in the field of operating systems. I

Your task is to write a minimum of 1000 words report on the Producer-Consumer Problem in operating sy

Furthermore, you must select one of the synchronization mechanisms as the most efficient solution for th

If you disagree with all existing solutions, you need to provide a well-supported argument for your perspe

P.S.: A good assignment would also contain an easy-to-understand diagram of the problem along with th

Instructions:

In order to obtain maximum marks in this assignment, please ensure the followings:

Do not forget to write your name and ID on the first page of your document.

Your report should contain at least the following items:

Introduction

Analysis

Conclusion

References

For references use APA Style Referencing ()

This is an individual assignment.

You are required to submit both the assignment document and the code file on Blackboard only

The assignment deadline is. Any submission after it will be penalized.

The assignment will be checked for plagiarism (ChatGPT) so make sure to you properly cite the referenc

Zero is the mark for an assignment with 20 % of similarity and above

Rubric:

Your assignment will be graded based on the following rubric: