

ENSF 607 – Principles of Software Development

Fall 2023



Lab Assignment #4:

Due Dates	
Post-Lab	Submit before <u>23:59 on Friday October 27, 2023</u>

The objectives of this lab are to:

- 1) Become familiar with SOLID principles.



The following rules apply to this lab and all other lab assignments in the future:

1. Before submitting your lab reports, take a moment to make sure that you are handing in all the material that is required. If you forget to hand something in, that is your fault; you can't use 'I forgot' as an excuse to hand in parts of the assignment late.
2. **20% marks** will be deducted from the assignments handed in up to **24 hours** after each due date. It means if your mark is X out of Y, you will only gain 0.8 times X. There will be no credit for assignments turned in later than 24 hours after the due dates; they will be returned unmarked.
3. **This is not a group assignment**



In Lab (60 marks)

Exercise - 1: For each principle provide a class diagram (10 Marks)

Exercise - 2: For each principle provide the supporting code example (20 Marks)

Exercise - 2: For each principle discussed provide an appropriate use case. Discuss, why you would apply this principle for the described use case compared to the other four. (30 Marks)