First semester 2021/2022
Advanced software development
Homework Assignment # 3
ETA: 1 Oct midnight.

Part 1:

In assignment #2, there was a common solution provided by you. The solution is not wrong but it breaks the SOLID principles. In assignment #3, if you get full mark in assignment #2, you need to compare your fix with the fix below:

If your solution is similar to the solution below or you did not get full mark, do the following:

● Which SOLID principles are broken? And how? **(At least two)**
● Provide a new fix to not break SOLID principles.

If you got a full mark but your fix is not similar to this solution:

● Analyze the below solution and check how it violates the SOLID principle. **(At least two)**
● Check if your solution 100% applies the SOLID principle and fix it if any.

The Solution:

https://github.com/mkassaf/AdvancedSoftwareDevelopment/blob/main/Design%20Pattern/Singleton/src/edu/najah/cap/Connection.java

Part 2:

Let's assume we have legacy code that is used to connect and send messages via **TFTP.** The code used for TFTP connection is mentioned below. I want you to use the Adapter design pattern to add this protocol to your application.

The Legacy code:

https://github.com/mkassaf/AdvancedSoftwareDevelopment/blob/main/Design%20Pattern/Singleton/src/edu/najah/cap/legcy/protocol/TFTPProtocol.java

NOTE:

- Please submit your report in pdf format.
- Please create your own repo in github and add your code to it, finally add me as collaborator (mustafakassaf@gmail.com) and share your repo link with your report.
- You are free to use any programming language you want.