**LAB 4**

CS545 - AOP

This lab you will continue your previous lab that contains the User, Post, and Comments entities. You will be adding some cross-cutting concerns:

1. Make a ‘Logger’ database table that will store all the operations executed in your project. The table should hold the following information (Transaction Id, Date, Time, Principle, Operation).   
   **🡪**  *Since there is no authentication, you may define a fake static user for the principle and add it to every operation. This will be removed on the next lab. You may optionally add any suitable attribute.*
2. Make an Aspect that has an annotation pointcut @ExecutionTime, when placed on a method, it should calculate the time taken to complete that method.

*Add the annotation to the* **Get User By Id** *method in your project.*

**Optional**

1. Make an ‘Exception’ database table that will track all the exceptions that were thrown (Transaction Id, Date, Time, Principle, Operation, Exception Type).   
   🡪*Add a method that throws an exception to test it.*

Make sure you execute all these requests using postman that follow best practices and conventions.