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| **Subject** | SWA – CS590 |
| **Assignment** | Lab 10 |
| **Date** | 9/4/2021 |
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| **Professor** | Rene de Jong |

# Lab Assignment 10: API gateway, Zipkin, Sleuth, Hystrix

**Exercise 1: API Gateway**

Refer the structure to add Zuu as new ApiGateway

Graphical user interface

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application, Word

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Graphical user interface

Description automatically generated

And application run:

Graphical user interface, text, application, email

Description automatically generated

Refer source code for more details

**Exercise 2: Use Zipkin and Sleuth**

**A picture containing text, screenshot, indoor

Description automatically generated**

**Graphical user interface, text, application

Description automatically generated**

**Graphical user interface

Description automatically generated**

**Exercise 3: Use Hystrix circuit breaker**

Setung Hystrix and run properly for ServiceA, ServiceB and stop ServiceC.

Need to add below dependency to solve EnableCircuitBreaker is deprecated

Graphical user interface, text, application

Description automatically generated

* Stop Service C:

Graphical user interface, text, application

Description automatically generated

Graphical user interface, application

Description automatically generated

And Call from serviceA or serviceB:

Graphical user interface, application

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Refer attached files for more details

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Graphical user interface, application

Description automatically generated