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| **Subject** | SWA – CS590 |
| **Assignment** | Lab 12 |
| **Date** | 9/18/2021 |
| **Students** | Vo Ngoc Huy Nguyen - 611066 |
| **Professor** | Rene de Jong |

# Lab Assignment 12: Security

**Exercise 1: Security**

Refer projects:

Graphical user interface, text

Description automatically generated

Calendar

Description automatically generated with medium confidence

And more source codes in attached file

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

* Get info of user:

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

* Call ServiceA

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

* Call Service B

Graphical user interface, text, application, email

Description automatically generated

* Call Service C

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Refer attached file for codes and Postman calls

**Exercise 2: Spring Kafka**

Run and check for Kafka setting

A screenshot of a computer

Description automatically generated with medium confidence

A picture containing text

Description automatically generated

Background pattern

Description automatically generated with low confidence

To implement Order, Payment and Stock Server:

* Create topic for Kafka:

Text

Description automatically generated

* Run 3 services:

Graphical user interface, text, application

Description automatically generated

Please refer attached codes.