Advanced Extensions

Exercise 9 - Events

Extension 1 - pub/sub (fanout)

Look at the following tutorial

https://www.rabbitmq.com/tutorials/tutorial-three-java.html

Modify the src/main/java/org/freo/purchase/Publish.java file to Publish to a fanout exchange instead of a queue.

Now modify the Python client to subscribe to the fanout exchange: https://www.rabbitmq.com/tutorials/tutorial-three-python.html

Run multiple copies of the Python client to subscribe to the events.



Exercise 10 - gRPC

Extension 2

Create a Python server for the same proto definition.

Hint: You already created part of the required code when you generated the client stubs, because it also generates the Python code you need to handle the server.

Hint 2: You need something like this as a PurchaseServer.py This is modified from

https://github.com/grpc/grpc/blob/master/examples/python/helloworld/greeter_server.py



Exercise 15 - Ballerina

Extension

Extend the service to offer both gRPC and RESTful mediation into the SOAP message.

This guide might help you:

https://ballerina.io/learn/by-guide/grpc-service/

