

In the task we expect:

- 1) Code needs to be version controlled in Git Repo
- 2) Configuration should be externalised to Spring Cloud Config
- 3) Expect very good code design and robust error handling, design and integration patterns employed
- 4) Junit tests and Postman collections for Integration tests are necessary

Task 1

Develop an authenticated Order Taking API stack that is exposed to 3rd party endpoints (example an ERP system) selling products on behalf of Melita.

An order specifies the customer details (including personal details, installation address, preferred installation date + time slot details), the required products (e.g. Internet, TV, Telephony, Mobile) and the required package per product (e.g. Internet 250Mbps or 1Gbps, TV with 90 Channels or 140 Channels, Telephony with Free On net Calls or Unlimited Calls, Mobile Prepaid or Mobile Post-paid).

The Order Taking API must validate these details and accept the order. On accepting the order it must publish a messaging event to a RabbitMQ topic for Melita's Ordering Fulfilment system and Care systems to pick it up.

We expect the following deliverables:-

- 1) An authenticated public REST based Order Taking API stack.
- 2) Micro services to be implemented using Spring Boot
- 3) Publish events to a RabbitMQ or Kafka