**Circuit Breaker**

****

* **What if one of the services is down or is slow?**
  + Impacts entire chain!
* **Questions:**
  + Can we return a fallback response if a service is down?
  + Can we implement a Circuit Breaker pattern to reduce load?
  + Can we retry requests in case of temporary failures?
  + Can we implement rate limiting?
* **Solution: Circuit Breaker Framework - Resilience4j**

**1) POM.xml**

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-aop</artifactId>

</dependency>

<dependency>

<groupId>io.github.resilience4j</groupId>

<artifactId>resilience4j-spring-boot2</artifactId>

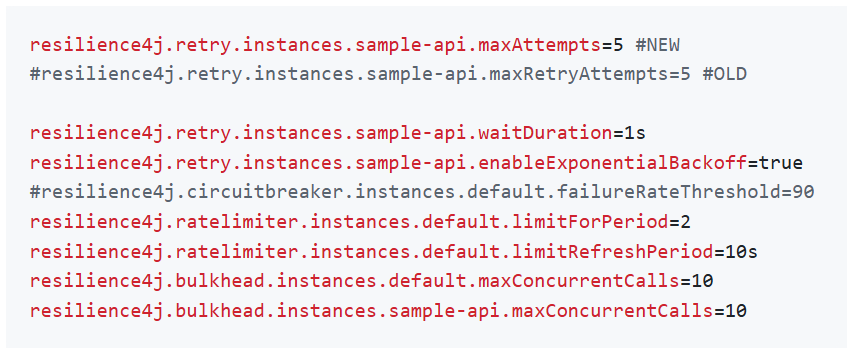
</dependency>

**2) CircuitBreakerController ::** Demo to test circuit breaker concepts.

**A screenshot of a computer code

Description automatically generated**

**3)application.properties Modified**

****