UnrealPay Spring Boot rest service sample

The UnrealPay system is designed to simulate a payment gateway server. Companies with online e-commerce stores (the client) would take the card details from a customer wishing to make a payment, send these details to the server as a payment request, and the UnrealPay system simulates an attempt to take the payment from the customer. The client can then find out if the payment was successful or not.

To make a new payment request the client must send a POST request containing the following data in JSON format

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Description | Example | Format |
| requesterCode | A 3 letter code to identify which company is making the payment request | BRL | Any string |
| requesterReference | A unique transaction ID for the requester | FF099903 | Any string |
| cardNumber | The customer’s credit card number | 1234567890123456 | Any integer at least 4 digits long |
| CV2 | The 3 digits on the back of a customer’s credit card | 123 | Any integer |
| ExpiryMonth | The 2 digit month of the card’s expiry | 03 | Any integer |
| ExpiryYear | The 4 digit year of the card’s expiry | 2021 | Any integer |
| Amount | The amount of the payment to be taken | 77.45 | Any double |
| Currency | The 3 letter currency code | GBP | Any string |

\*These are the values that the system would consider to be valid. You can send invalid values and you will get a sensible response hopefully!

\*\* https://en.wikipedia.org/wiki/Luhn\_algorithm