

LannisterPay

Fee Processing Platform API

Installation

git clone: <https://github.com/Nurudeeen/LannisterPay.git>

cd LannisterPay

npm install

Tool used: Node JS, Express JS, NeDB, JavaScript, Postman

HTTP POST /lannister-app.herokuapp.com/fee

Sample Post data:

```
{
  "FeeConfigurationSpec": "LNPY1221 NGN * *(*) : APPLY PERC 1.4\nLNPY1222 NGN INTL CREDIT-CARD(VISA) : APPLY PERC 5.0\nLNPY1223 NGN LOCL CREDIT-CARD(*) : APPLY FLAT_PERC 50:1.4\nLNPY1224 NGN * BANK-ACCOUNT(*) : APPLY FLAT 100\nLNPY1225 NGN * USSD(MTN) : APPLY PERC 0.55"
}
```

datastore.db:

```
{ "FEE_ID": "LNPY1221", "FEE_CURRENCY": "NGN", "FEE_TYPE": "PERC", "FEE_VALUE": "1.4", "FEE_LOCALE": "*", "FEE_ENTITY": "*", "ENTITY_PROPERTY": "*", "_id": "IEFL3kbMQGCc66er" }

{ "FEE_ID": "LNPY1222", "FEE_CURRENCY": "NGN", "FEE_TYPE": "PERC", "FEE_VALUE": "5.0", "FEE_LOCALE": "INTL", "FEE_ENTITY": "CREDIT-CARD", "ENTITY_PROPERTY": "VISA", "_id": "zOY8XdYD4vHayj96" }

{ "FEE_ID": "LNPY1223", "FEE_CURRENCY": "NGN", "FEE_TYPE": "FLAT_PERC", "FEE_VALUE": "50:1.4", "FEE_LOCALE": "LOCL", "FEE_ENTITY": "CREDIT-CARD", "ENTITY_PROPERTY": "*", "_id": "TO12eNki0owbeHwa" }

{ "FEE_ID": "LNPY1224", "FEE_CURRENCY": "NGN", "FEE_TYPE": "FLAT", "FEE_VALUE": "100", "FEE_LOCALE": "*", "FEE_ENTITY": "BANK-ACCOUNT", "ENTITY_PROPERTY": "*", "_id": "Um1rJMRZrgBfOqlq" }

{ "FEE_ID": "LNPY1225", "FEE_CURRENCY": "NGN", "FEE_TYPE": "PERC", "FEE_VALUE": "0.55", "FEE_LOCALE": "*", "FEE_ENTITY": "USSD", "ENTITY_PROPERTY": "MTN", "_id": "jY9rOraxU919Vt5k" }
```

Response data:

HTTP 200 OK

```
{
  "status": "ok"
}
```

Estimated service time: 67ms

HTTP POST /lannister-app.herokuapp.com/compute-transaction-fee

Sample Post data:

```
{
  "ID": 91203,
  "Amount": 5000,
  "Currency": "NGN",
  "CurrencyCountry": "NG",
  "Customer": {
    "ID": 2211232,
    "EmailAddress": "anonimized29900@anon.io",
    "FullName": "Abel Eden",
    "BearsFee": true
  },
  "PaymentEntity": {
    "ID": 2203454,
    "Issuer": "GTBANK",
    "Brand": "MASTERCARD",
    "Number": "530191*****2903",
    "SixID": 530191,
    "Type": "CREDIT-CARD",
    "Country": "NG"
  }
}
```

Response data:

HTTP 200 OK

```
{
  "AppliedFeeID": "LNPY1223",
  "AppliedFeeValue": 120,
  "ChargeAmount": 5120,
  "SettlementAmount": 5000
}
```

Service time 8ms-41ms:

```
2022-03-21T14:01:02.994247+00:00 app[web.1]: }
2022-03-21T14:01:03.001773+00:00 heroku[router]: at=info method=POST path="/compute-transaction-fee" host=lannister-app.herokuapp.com request_id=70eade78-63d3-4447-9643-ab48c43ec772 fwd="197.210.227.23" dyno=web.1 connect=0ms service=41ms status=200 bytes=299 protocol=https
2022-03-21T14:01:06.747383+00:00 app[web.1]: {
2022-03-21T14:01:06.747400+00:00 app[web.1]: FEE_ID: 'LNPY1221',
2022-03-21T14:01:06.747401+00:00 app[web.1]: FEE_CURRENCY: 'NGN',
2022-03-21T14:01:06.747401+00:00 app[web.1]: FEE_TYPE: 'PERC',
2022-03-21T14:01:06.747401+00:00 app[web.1]: FEE_VALUE: '1.4',
2022-03-21T14:01:06.747402+00:00 app[web.1]: FEE_LOCALE: '**',
2022-03-21T14:01:06.747402+00:00 app[web.1]: FEE_ENTITY: '**',
2022-03-21T14:01:06.747402+00:00 app[web.1]: ENTITY_PROPERTY: '**',
2022-03-21T14:01:06.747403+00:00 app[web.1]: _id: 'CJ5to0rO6ZSh5Kn3'
2022-03-21T14:01:06.747403+00:00 app[web.1]: }
2022-03-21T14:01:06.748612+00:00 heroku[router]: at=info method=POST path="/compute-transaction-fee" host=lannister-app.herokuapp.com request_id=01d1f7cc-23f4-4d9a-a224-d65aef28acee fwd="197.210.227.23" dyno=web.1 connect=0ms service=8ms status=200 bytes=299 protocol=https
2022-03-21T14:29:25.695154+00:00 heroku[router]: at=info method=POST path="/compute-transaction-fee" host=lannister-app.herokuapp.com request_id=0b0904dc-2ea-a-460f-8928-648afb3da35a fwd="197.210.54.38" dyno=web.1 connect=0ms service=3ms status=404 bytes=267 protocol=https
2022-03-21T14:29:46.392414+00:00 heroku[router]: at=info method=POST path="/compute-transaction-fee" host=lannister-app.herokuapp.com request_id=7ab81aa2-2671-429f-badc-b07c3742f9ae fwd="197.210.54.38" dyno=web.1 connect=0ms service=1ms status=404 bytes=267 protocol=https
```

HTTP POST / lannister-app.herokuapp.com/compute-transaction-fee

Sample Post data:

```
{
  "ID": 91204,
  "Amount": 3500,
  "Currency": "YEN",
  "CurrencyCountry": "US",
  "Customer": {
    "ID": 4211232,
    "EmailAddress": "anonimized292200@anon.io",
    "FullName": "Wenthorth Scoffield",
    "BearsFee": false
  },
  "PaymentEntity": {
    "ID": 2203454,
    "Issuer": "WINTERFELLWALLETS",
    "Brand": "",
    "Number": "AX0923*****0293",
    "SixID": "AX0923",
    "Type": "WALLET-ID",
    "Country": "NG"
  }
}
```

Response data:

HTTP 404 (File Not Found)

```
{
  "Error": "No fee configuration for YEN transactions."
}
```

Service time 3ms: