Sample Transactions

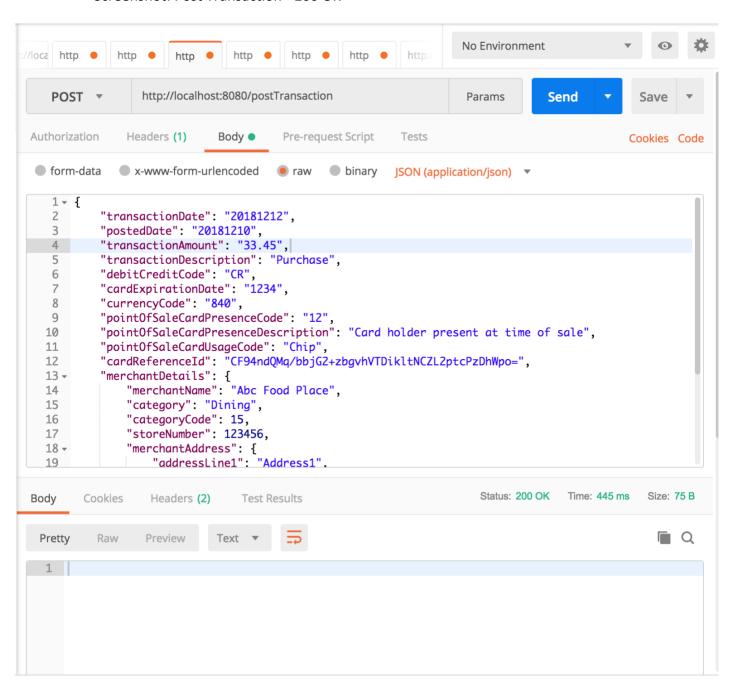
1) Post Transaction

URL: http://localhost:8080/postTransaction

```
Body
  "transactionDate": "20181212",
  "postedDate": "20181210",
  "transactionAmount": "33.45",
  "transactionReferenceId": "501",
  "transactionDescription": "Purchase",
  "debitCreditCode": "CR",
  "cardExpirationDate": "1234",
  "currencyCode": "840",
  "pointOfSaleCardPresenceCode": "12",
  "pointOfSaleCardPresenceDescription": "Card holder present at time of sale",
  "pointOfSaleCardUsageCode": "Chip",
  "cardReferenceId": "CF94ndQMq/bbjG2+zbgvhVTDikltNCZL2ptcPzDhWpo=",
  "merchantDetails": {
    "merchantName": "Abc Food Place",
    "category": "Dining",
    "categoryCode": 15,
    "storeNumber": 123456,
    "merchantAddress": {
      "addressLine1": "Address1",
      "addressLine2": "Address2",
      "addressLine3": "Address3",
      "city": "Chicago",
      "state": "IL",
      "postalCode": "60005",
      "country": "US"
    }
  }
}
```

Successful Response Code: 200 OK

Screenshot: Post Transaction - 200 OK



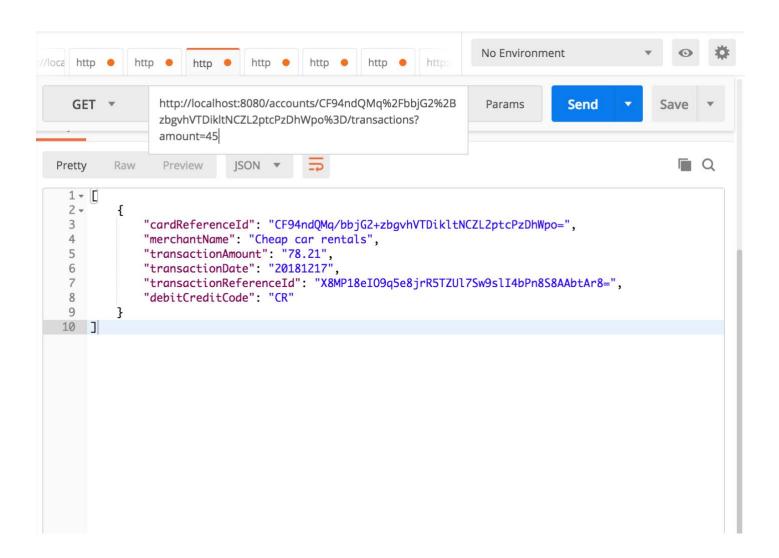
Get Transactions

URL: http://localhost:8080/accounts/<encrpyted card number>/transactions

http://localhost:8080/accounts/CF94ndQMq%2FbbjG2%2BzbgvhVTDikltNCZL2ptcPzDh Wpo%3D/transactions

```
No Environment
//loca http •
              http
                        http
                                 http
                                          http
                                                    http •
                                                             http:/
                  http://localhost:8080/accounts/CF94ndQMq%2FbbjG2%2...
     GET ▼
                                                                      Params
                                                                                   Send
                                                                                                  Save
  Pretty
           Raw
                   Preview
                              ISON ▼
                                                                                                     Q
    1 - [
    2 +
            {
                "cardReferenceId": "CF94ndQMq/bbjG2+zbgvhVTDikltNCZL2ptcPzDhWpo=",
    3
                "merchantName": "Cheap car rentals",
    4
    5
                "transactionAmount": "78.21",
    6
                "transactionDate": "20181217",
    7
                "transactionReferenceId": "X8MP18eI09q5e8jrR5TZUl7Sw9slI4bPn8S8AAbtAr8=",
    8
                "debitCreditCode": "CR"
    9
           },
   10 -
   11
                "cardReferenceId": "CF94ndQMq/bbjG2+zbgvhVTDikltNCZL2ptcPzDhWpo=",
   12
                "merchantName": "Good Movie Place",
                "transactionAmount": "12.45",
   13
   14
                "transactionDate": "20181215",
   15
                "transactionReferenceId": "xejMLAXm6XQLiW/zfNuqHsbt2XKq+Ea08lJ/ecKqPUs=",
   16
                "debitCreditCode": "CR"
   17
   18 -
   19
                "cardReferenceId": "CF94ndQMq/bbjG2+zbgvhVTDikltNCZL2ptcPzDhWpo=",
   20
                "merchantName": "Abc Food Place",
                "transactionAmount": "33.45",
   21
   22
                "transactionDate": "20181212".
                "transactionReferenceId": "HBPY60JgPwXmAREJ9pavabrplN0Fl/KvP0kX76VS0IQ=",
   23
                "debitCreditCode": "CR"
   24
   25
           }
   26
       ]
```

- Transactions returned are in descending order with latest transactions on top.
- Card Reference Id and Transaction Reference Id returned will be encrypted. Client will have to decrypt them with the key provided to get more details about a particular transaction.
- Transactions can be filtered based on amount as below. Only transactions which are greater than the specified amount will be returned.



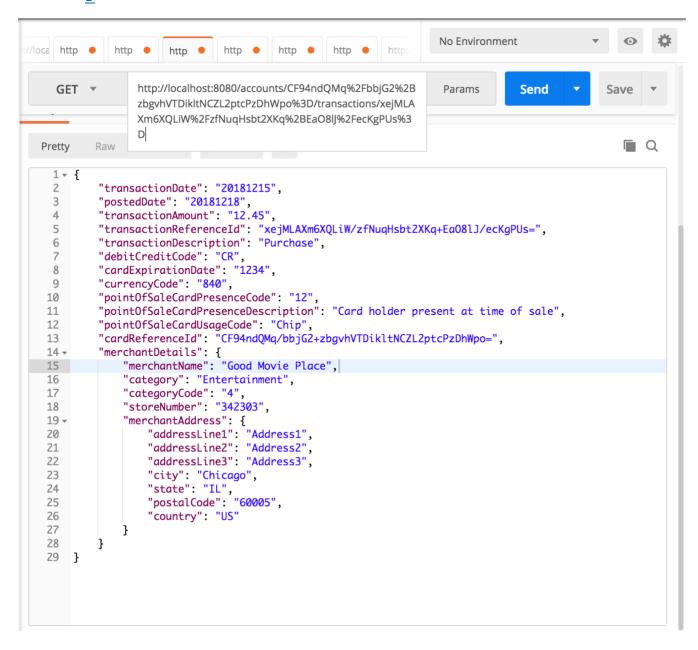
Get Transaction

To get more details of a particular transaction

URL:

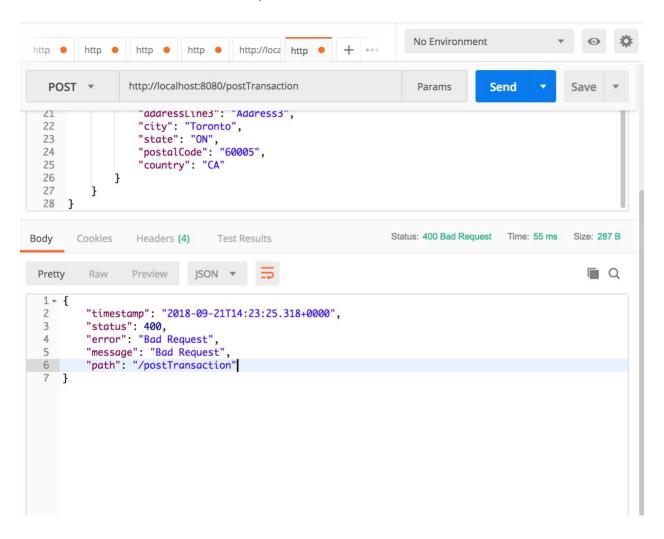
http://localhost:8080/accounts/<encrypted account reference id>/transactions/<encrypted transaction reference id>

http://localhost:8080/accounts/CF94ndQMq%2FbbjG2%2BzbgvhVTDikltNCZL2ptcPzDh Wpo%3D/transactions/xejMLAXm6XQLiW%2FzfNuqHsbt2XKq%2BEaO8lJ%2FecKgPUs%3D



Sample Error Scenarios

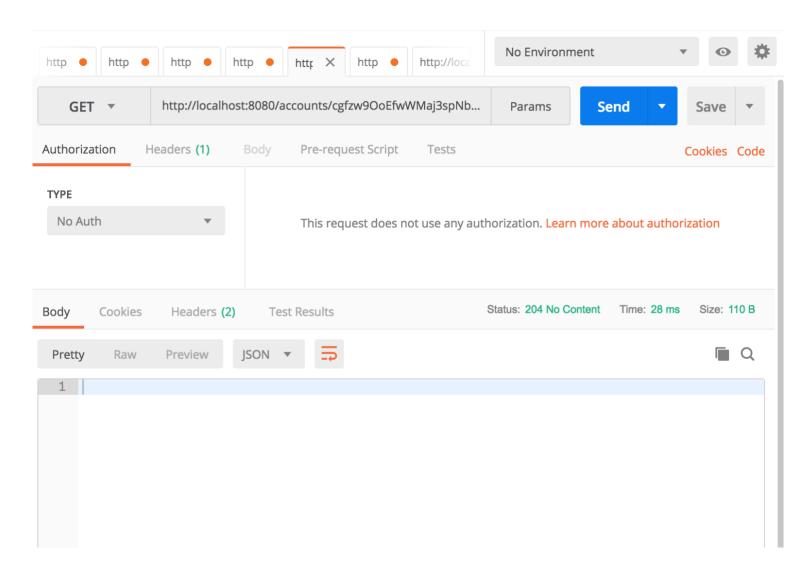
• POST Transaction - When the Country passed in address is CA and zip code format is not A1A 1A1, validation fails.



• POST Transaction – Individual Field level validation. In the below screenshot the transaction date passed was invalid format.

```
No Environment
         http
                                     http://loca
                                              http
   POST ▼
                 http://localhost:8080/postTransaction
                                                                                                 Save
                                                                     Params
                                                                                  Send
   1 - {
           "transactionDate": "201812",
   3
           "postedDate": "20181220",
           "transactionAmount": "78.21",
   4
   5
           "transactionDescription": "Purchase",
           "debitCreditCode": "CR"
   6
           "cardExpirationDate": "1234",
   7
           "currencyCode": "840",
   8
   9
           "pointOfSaleCardPresenceCode": "12"
                                                               Status: 400 Bad Request Time: 43 ms
                                                                                               Size: 1.03 KB
Body
        Cookies
                  Headers (4)
                                 Test Results
 Pretty
                                                                                                    ■ Q
          Raw
                  Preview
                             ISON
  1 - {
  2
          "status": "BAD_REQUEST",
          "message": "Validation failed for argument at index 0 in method: public void com.capone
  3
              .transactions.controller.TransactionsController.postTransaction(com.capone.transactions
              .model.DetailedTransaction), with 1 error(s): [Field error in object
              'detailedTransaction' on field 'transactionDate': rejected value [201812]; codes
              [Pattern.detailedTransaction.transactionDate,Pattern.transactionDate,Pattern.java.lang
              .String, Pattern]; arguments [org.springframework.context.support
              .DefaultMessageSourceResolvable: codes [detailedTransaction.transactionDate
              ,transactionDate]; arguments []; default message [transactionDate],[Ljavax.validation
              .constraints.Pattern$Flag;@54d77241,org.springframework.validation.beanvalidation
              .SpringValidatorAdapter$ResolvableAttribute@1b36b52f]; default message [Invalid
              Transaction Date]] ",
          "errors": [
  4 +
  5
              "transactionDate: Invalid Transaction Date"
  6
     }
```

 GET Transaction – Trying to get transactions on account with no transactions will return empty response with 204 Status



• Get Transaction – Trying to fetch transactions and passing invalid account reference Id or transaction reference id will return error 400

