Lipisha Payment API Python SDK Documentation

Release 0.2.6

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CHAPTER

ONE

LIPISHA PAYMENT API PYTHON SDK

This package provides bindings for the Lipisha Payments API (https://developer.lipisha.com/)

- Free software: MIT License
- Documentation: https://lipisha-python-sdk.readthedocs.org.

1.1 Features

- Request Money
- Send Money
- Send SMS
- Get Float
- Get Balance
- Acknowledge Transaction
- More - https://developer.lipisha.com/

1.2 Examples

IPN callback examples are in the examples directory:

https://github.com/lipisha/lipisha-python-sdk/tree/master/examples

1.3 Quick start

```
>>> from lipisha import Lipisha

>>> api_key = "YOUR API KEY"

>>> api_signature = "YOUR API SIGNATURE"

>>> lipisha = Lipisha(api_key, api_signature)

>>> lipisha.api_base_url
```

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```
'https://api.lypa.io/v2/api'

>>> lipisha = Lipisha(api_key, api_signature, api_environment='test')

>>> lipisha.api_base_url

'https://developer.lipisha.com/index.php/v2/api/'

>>> lipisha = Lipisha(api_key, api_signature, api_environment='live')

>>> lipisha.api_base_url

'https://api.lypa.io/v2/api'

>>> lipisha.request_money(account_number="09876", mobile_number="07XXYYYZZZ",␣
↪amount=50, reference="INV00001")

{u'content': {u'transaction': u'ZXYA123D56',
  u'method': u'Paybill (M-Pesa)',
  u'account_number': u'09876',
  u'mobile_number': u'07XXYYYZZZ',
  u'reference': u'INV00001'},
 u'status': {u'status': u'SUCCESS',
  u'status_code': u'0000',
  u'status_description': u'Payment Requested'}}

>>> lipisha.send_money(account_number="098777", mobile_number="07XXYYYZZZ", amount=50)

{u'content': {u'amount': u'50',
  u'customer_name': u'',
  u'mobile_number': u'07XXYYYZZZ',
  u'reference': u'SP01ZXA45'},
 u'status': {u'status': u'SUCCESS',
  u'status_code': u'0000',
  u'status_description': u'Payout Scheduled'}}

>>> lipisha.send_airtime(account_number="03160", mobile_number="07XXYYYZZZ", amount=
↪"50", network="SAF")

{u'content': {u'amount': u'50',
  u'mobile_number': u'07XXYYYZZZ',
  u'reference': u'MF0QKVD9W'},
 u'status': {u'status': u'SUCCESS',
  u'status_code': u'0000',
  u'status_description': u'Airtime purchased successfully'}}

>>> lipisha.get_balance()

{u'content': {u'balance': u'246.2500', u'currency': u'KES'},
 u'status': {u'status': u'SUCCESS',
             u'status_code': 0,
             u'status_description': u'Balance Found'}}

>>> lipisha.get_float(account_number="098000")

{u'content': {u'account_number': u'098000',
```

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```
  u'currency': u'KES',
  u'float': u'0.00'},
 u'status': {u'status': u'SUCCESS',
  u'status_code': 0,
  u'status_description': u'Float Found'}}

>>> lipisha.confirm_transaction(transaction='YYYE9WWWW0')

{u'content': {u'transaction': u'YYYE9WWWW0',
  u'transaction_account_name': u'Primary',
  u'transaction_account_number': u'098777',
  u'transaction_amount': u'200.0000',
  u'transaction_date': u'2015-08-14 16:51:00',
  u'transaction_email': u'',
  u'transaction_method': u'Paybill (M-Pesa)',
  u'transaction_mobile_number': u'2547XXYYYZZZ',
  u'transaction_name': u'Test User Names',
  u'transaction_reference': u'99',
  u'transaction_status': u'Completed',
  u'transaction_type': u'Payment'},
  u'status': {u'status': u'SUCCESS',
              u'status_code': 0,
              u'status_description': u'Transaction Found'}}

>>> lipisha.get_transactions()

{u'content': [{u'code': None,
   u'transaction': u'JJ99X9TC0',
   u'transaction_account_name': u'Primary',
   u'transaction_account_number': u'098777',
   u'transaction_amount': u'50.0000',
   u'transaction_date': u'2015-08-06 10:39:00',
   u'transaction_email': u'',
   u'transaction_method': u'Paybill (M-Pesa)',
   u'transaction_mobile_number': u'2547XXYYYZZZ',
   u'transaction_name': u'Test User Names',
   u'transaction_reference': u'',
   u'transaction_reversal_status': u'None',
   u'transaction_reversal_status_id': u'1',
   u'transaction_status': u'Completed',
   u'transaction_type': u'Payment'},
  {u'code': None,
   u'transaction': u'JJ99X9TC0',
   u'transaction_account_name': u'Primary',
   u'transaction_account_number': u'098777',
   u'transaction_amount': u'-0.7500',
   u'transaction_date': u'2015-08-06 10:39:00',
   u'transaction_email': u'',
   u'transaction_method': u'Paybill (M-Pesa)',
   u'transaction_mobile_number': u'2547XXYYYZZZ',
   u'transaction_name': u'Test User Names',
   u'transaction_reference': u'',
   u'transaction_reversal_status': u'None',
   u'transaction_reversal_status_id': u'1',
   u'transaction_status': u'Completed',
   u'transaction_type': u'Fee'},
  {u'code': None,
```

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```
   u'transaction': u'YYYE9WWWW0',
   u'transaction_account_name': u'Primary',
   u'transaction_account_number': u'098777',
   u'transaction_amount': u'200.0000',
   u'transaction_date': u'2015-08-14 16:51:00',
   u'transaction_email': u'',
   u'transaction_method': u'Paybill (M-Pesa)',
   u'transaction_mobile_number': u'2547XXYYYZZZ',
   u'transaction_name': u'Test User Names',
   u'transaction_reference': u'99',
   u'transaction_reversal_status': u'None',
   u'transaction_reversal_status_id': u'1',
   u'transaction_status': u'Completed',
   u'transaction_type': u'Payment'},
  {u'code': None,
   u'transaction': u'YYYE9WWWW0',
   u'transaction_account_name': u'Primary',
   u'transaction_account_number': u'098777',
   u'transaction_amount': u'-3.0000',
   u'transaction_date': u'2015-08-14 16:51:00',
   u'transaction_email': u'',
   u'transaction_method': u'Paybill (M-Pesa)',
   u'transaction_mobile_number': u'2547XXYYYZZZ',
   u'transaction_name': u'Test User Names',
   u'transaction_reference': u'99',
   u'transaction_reversal_status': u'None',
   u'transaction_reversal_status_id': u'1',
   u'transaction_status': u'Completed',
   u'transaction_type': u'Fee'}],
 u'status': {u'status': u'SUCCESS',
  u'status_code': 0,
  u'status_description': u'Transactions Found'}}

>>> lipisha.get_transactions(transaction="JJ99X9TC0")

{u'content': [{u'code': None,
   u'transaction': u'JJ99X9TC0',
   u'transaction_account_name': u'Primary',
   u'transaction_account_number': u'098777',
   u'transaction_amount': u'50.0000',
   u'transaction_date': u'2015-08-06 10:39:00',
   u'transaction_email': u'',
   u'transaction_method': u'Paybill (M-Pesa)',
   u'transaction_mobile_number': u'2547XXYYYZZZ',
   u'transaction_name': u'Test User Names',
   u'transaction_reference': u'',
   u'transaction_reversal_status': u'None',
   u'transaction_reversal_status_id': u'1',
   u'transaction_status': u'Completed',
   u'transaction_type': u'Payment'},
  {u'code': None,
   u'transaction': u'JJ99X9TC0',
   u'transaction_account_name': u'Primary',
   u'transaction_account_number': u'098777',
   u'transaction_amount': u'-0.7500',
   u'transaction_date': u'2015-08-06 10:39:00',
   u'transaction_email': u'',
```

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```
   u'transaction_method': u'Paybill (M-Pesa)',
   u'transaction_mobile_number': u'2547XXYYYZZZ',
   u'transaction_name': u'Test User Names',
   u'transaction_reference': u'',
   u'transaction_reversal_status': u'None',
   u'transaction_reversal_status_id': u'1',
   u'transaction_status': u'Completed',
   u'transaction_type': u'Fee'}],
 u'status': {u'status': u'SUCCESS',
  u'status_code': 0,
  u'status_description': u'Transactions Found'}}

>>> lipisha.get_customers()

{u'content': [{u'customer_average': u'125.00000000',
   u'customer_email': u'',
   u'customer_first_payment_date': u'2015-08-06 10:39:00',
   u'customer_last_payment_date': u'2015-08-14 16:51:00',
   u'customer_mobile_number': u'2547XXYYYZZZ',
   u'customer_name': u'Test User Names',
   u'customer_payments': u'2',
   u'customer_total': u'250.0000'}],
 u'status': {u'status': u'SUCCESS',
  u'status_code': 0,
  u'status_description': u'Customers Found'}}

>>> lipisha.get_customers(customer_mobile_number="2547XXYYYZZZ")

{u'content': [{u'customer_average': u'125.00000000',
   u'customer_email': u'',
   u'customer_first_payment_date': u'2015-08-06 10:39:00',
   u'customer_last_payment_date': u'2015-08-14 16:51:00',
   u'customer_mobile_number': u'2547XXYYYZZZ',
   u'customer_name': u'Test User Names',
   u'customer_payments': u'2',
   u'customer_total': u'250.0000'}],
 u'status': {u'status': u'SUCCESS',
  u'status_code': 0,
  u'status_description': u'Customers Found'}}

>>> lipisha.authorize_card_transaction(account_number="098000",
                                       card_number="4242424242424242",
                                       address1="PO BOX 11111 99999",
                                       address2="",
                                       expiry="082020",
                                       name="Lipsha Test Account",
                                       country="KENYA",
                                       state="NAIROBI",
                                       zip="00200",
                                       security_code="999",
                                       amount=100,
                                       currency='KES')

{u'content': {u'transaction_index': u'{CDD55BEB-F74A-4A8B-8D5C-2FC77FF14E7B}',
  u'transaction_reference': 111111},
 u'status': {u'status': u'SUCCESS',
  u'status_code': u'0000',
```

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```
  u'status_description': u'Transaction Authorized Successfully'}}

>>> lipisha.complete_card_transaction(transaction_reference=11111, transaction_index="
↪{CDD55BEB-F74A-4A8B-8D5C-2FC77FF14E7B}")

{u'content': {u'transaction_index': u'{CDD55BEB-F74A-4A8B-8D5C-2FC77FF14E7B}',
  u'transaction_reference': u'11111'},
 u'status': {u'status': u'SUCCESS',
  u'status_code': u'0000',
  u'status_description': u'Transaction Completed Successfully'}}

>>> lipisha.reverse_card_transaction(transaction_reference=11111, transaction_index="
↪{CDD55BEB-F74A-4A8B-8D5C-2FC77FF14E7B}")

{u'content': None, u'status': None}

>>> lipisha.create_payment_account(transaction_account_type=1,
                                   transaction_account_name="MPESA Payments",
                                   transaction_account_manager="test_account")

{u'content': {u'transaction_account_manager': u'test_account',
  u'transaction_account_name': u'MPESA Payments',
  u'transaction_account_number': u'09999',
  u'transaction_account_type': u'1'},
  u'status': {u'status': u'SUCCESS',
              u'status_code': 0,
              u'status_description': u'Account Created'}}

>>> lipisha.create_withdrawal_account(transaction_account_type="1",
                                  transaction_account_name="Settlement Bank A/C",
                                  transaction_account_number="0100555555555",
                                  transaction_account_bank_name="AZY Bank",
                                  transaction_account_bank_branch="HQ",
                                  transaction_account_bank_address="PO BOX 900032 -␣
↪99999 Nairobi, Kenya",
                                  transaction_account_swift_code="ABCXYXXXX",
                                  transaction_account_manager="test_account")

{u'content': {u'transaction_account_bank_address': u'PO BOX 900032 - 99999 Nairobi,␣
↪Kenya',
  u'transaction_account_bank_branch': u'HQ',
  u'transaction_account_bank_name': u'AZY Bank',
  u'transaction_account_manager': u'test_account',
  u'transaction_account_name': u'Settlement Bank A/C',
  u'transaction_account_number': u'0100555555555',
  u'transaction_account_swift_code': u'ABCXYXXXX',
  u'transaction_account_type': u'1'},
  u'status': {u'status': u'SUCCESS',
              u'status_code': 0,
              u'status_description': u'Account Created'}}
```

1.4 Installation

At the command line:

```
$ pip install lipisha

Or using easy_install

$ easy_install lipisha

Manual installation

$ git clone https://github.com/lipisha/lipisha-python-sdk.git
$ cd lipisha-python-sdk
$ python setup.py install

Or, if you have virtualenvwrapper installed::

$ mkvirtualenv lipisha
$ pip install lipisha
```

See documentation for detailed API. Refer to Lipisha API for parameters required for each method.

CHAPTER

TWO

INSTALLATION

At the command line:

```
$ pip install lipisha
```

Or using easy_install

$ easy_install lipisha

Manual installation

$ git clone https://github.com/lipisha/lipisha-python-sdk.git $ cd lipisha-python-sdk $ python setup.py install

Or, if you have virtualenvwrapper installed:

```
$ mkvirtualenv lipisha
$ pip install lipisha
```

CHAPTER

THREE

USAGE

Install Lipisha

pip install lipisha

3.1 Sample usage session

```
>>> from lipisha import Lipisha

>>> api_key = "YOUR API KEY"

>>> api_signature = "YOUR API SIGNATURE"

>>> lipisha = Lipisha(api_key, api_signature)

>>> lipisha.api_base_url

'https://api.lypa.io/v2/api'

>>> lipisha = Lipisha(api_key, api_signature, api_environment='test')

>>> lipisha.api_base_url

'https://developer.lipisha.com/index.php/v2/api/'

>>> lipisha = Lipisha(api_key, api_signature, api_environment='live')

>>> lipisha.api_base_url

'https://api.lypa.io/v2/api'

>>> lipisha.request_money(account_number="09876", mobile_number="07XXYYYZZZ",␣
↪amount=50, reference="INV00001")

{u'content': {u'transaction': u'ZXYA123D56',
  u'method': u'Paybill (M-Pesa)',
  u'account_number': u'09876',
  u'mobile_number': u'07XXYYYZZZ',
  u'reference': u'INV00001'},
 u'status': {u'status': u'SUCCESS',
  u'status_code': u'0000',
  u'status_description': u'Payment Requested'}}
```

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```
>>> lipisha.send_money(account_number="098777", mobile_number="07XXYYYZZZ", amount=50)

{u'content': {u'amount': u'50',
  u'customer_name': u'',
  u'mobile_number': u'07XXYYYZZZ',
  u'reference': u'SP01ZXA45'},
 u'status': {u'status': u'SUCCESS',
  u'status_code': u'0000',
  u'status_description': u'Payout Scheduled'}}

>>> lipisha.send_airtime(account_number="03160", mobile_number="07XXYYYZZZ", amount=
↪"50", network="SAF")

{u'content': {u'amount': u'50',
  u'mobile_number': u'07XXYYYZZZ',
  u'reference': u'MF0QKVD9W'},
 u'status': {u'status': u'SUCCESS',
  u'status_code': u'0000',
  u'status_description': u'Airtime purchased successfully'}}

>>> lipisha.get_balance()

{u'content': {u'balance': u'246.2500', u'currency': u'KES'},
 u'status': {u'status': u'SUCCESS',
             u'status_code': 0,
             u'status_description': u'Balance Found'}}

>>> lipisha.get_float(account_number="098000")

{u'content': {u'account_number': u'098000',
  u'currency': u'KES',
  u'float': u'0.00'},
 u'status': {u'status': u'SUCCESS',
  u'status_code': 0,
  u'status_description': u'Float Found'}}

>>> lipisha.confirm_transaction(transaction='YYYE9WWWW0')

{u'content': {u'transaction': u'YYYE9WWWW0',
  u'transaction_account_name': u'Primary',
  u'transaction_account_number': u'098777',
  u'transaction_amount': u'200.0000',
  u'transaction_date': u'2015-08-14 16:51:00',
  u'transaction_email': u'',
  u'transaction_method': u'Paybill (M-Pesa)',
  u'transaction_mobile_number': u'2547XXYYYZZZ',
  u'transaction_name': u'Test User Names',
  u'transaction_reference': u'99',
  u'transaction_status': u'Completed',
  u'transaction_type': u'Payment'},
  u'status': {u'status': u'SUCCESS',
              u'status_code': 0,
              u'status_description': u'Transaction Found'}}

>>> lipisha.get_transactions()

{u'content': [{u'code': None,
```

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```
  u'transaction': u'JJ99X9TC0',
  u'transaction_account_name': u'Primary',
  u'transaction_account_number': u'098777',
  u'transaction_amount': u'50.0000',
  u'transaction_date': u'2015-08-06 10:39:00',
  u'transaction_email': u'',
  u'transaction_method': u'Paybill (M-Pesa)',
  u'transaction_mobile_number': u'2547XXYYYZZZ',
  u'transaction_name': u'Test User Names',
  u'transaction_reference': u'',
  u'transaction_reversal_status': u'None',
  u'transaction_reversal_status_id': u'1',
  u'transaction_status': u'Completed',
  u'transaction_type': u'Payment'},
 {u'code': None,
  u'transaction': u'JJ99X9TC0',
  u'transaction_account_name': u'Primary',
  u'transaction_account_number': u'098777',
  u'transaction_amount': u'-0.7500',
  u'transaction_date': u'2015-08-06 10:39:00',
  u'transaction_email': u'',
  u'transaction_method': u'Paybill (M-Pesa)',
  u'transaction_mobile_number': u'2547XXYYYZZZ',
  u'transaction_name': u'Test User Names',
  u'transaction_reference': u'',
  u'transaction_reversal_status': u'None',
  u'transaction_reversal_status_id': u'1',
  u'transaction_status': u'Completed',
  u'transaction_type': u'Fee'},
 {u'code': None,
  u'transaction': u'YYYE9WWWW0',
  u'transaction_account_name': u'Primary',
  u'transaction_account_number': u'098777',
  u'transaction_amount': u'200.0000',
  u'transaction_date': u'2015-08-14 16:51:00',
  u'transaction_email': u'',
  u'transaction_method': u'Paybill (M-Pesa)',
  u'transaction_mobile_number': u'2547XXYYYZZZ',
  u'transaction_name': u'Test User Names',
  u'transaction_reference': u'99',
  u'transaction_reversal_status': u'None',
  u'transaction_reversal_status_id': u'1',
  u'transaction_status': u'Completed',
  u'transaction_type': u'Payment'},
 {u'code': None,
  u'transaction': u'YYYE9WWWW0',
  u'transaction_account_name': u'Primary',
  u'transaction_account_number': u'098777',
  u'transaction_amount': u'-3.0000',
  u'transaction_date': u'2015-08-14 16:51:00',
  u'transaction_email': u'',
  u'transaction_method': u'Paybill (M-Pesa)',
  u'transaction_mobile_number': u'2547XXYYYZZZ',
  u'transaction_name': u'Test User Names',
  u'transaction_reference': u'99',
  u'transaction_reversal_status': u'None',
  u'transaction_reversal_status_id': u'1',
```

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```
   u'transaction_status': u'Completed',
   u'transaction_type': u'Fee'}],
 u'status': {u'status': u'SUCCESS',
  u'status_code': 0,
  u'status_description': u'Transactions Found'}}

>>> lipisha.get_transactions(transaction="JJ99X9TC0")

{u'content': [{u'code': None,
   u'transaction': u'JJ99X9TC0',
   u'transaction_account_name': u'Primary',
   u'transaction_account_number': u'098777',
   u'transaction_amount': u'50.0000',
   u'transaction_date': u'2015-08-06 10:39:00',
   u'transaction_email': u'',
   u'transaction_method': u'Paybill (M-Pesa)',
   u'transaction_mobile_number': u'2547XXYYYZZZ',
   u'transaction_name': u'Test User Names',
   u'transaction_reference': u'',
   u'transaction_reversal_status': u'None',
   u'transaction_reversal_status_id': u'1',
   u'transaction_status': u'Completed',
   u'transaction_type': u'Payment'},
  {u'code': None,
   u'transaction': u'JJ99X9TC0',
   u'transaction_account_name': u'Primary',
   u'transaction_account_number': u'098777',
   u'transaction_amount': u'-0.7500',
   u'transaction_date': u'2015-08-06 10:39:00',
   u'transaction_email': u'',
   u'transaction_method': u'Paybill (M-Pesa)',
   u'transaction_mobile_number': u'2547XXYYYZZZ',
   u'transaction_name': u'Test User Names',
   u'transaction_reference': u'',
   u'transaction_reversal_status': u'None',
   u'transaction_reversal_status_id': u'1',
   u'transaction_status': u'Completed',
   u'transaction_type': u'Fee'}],
 u'status': {u'status': u'SUCCESS',
  u'status_code': 0,
  u'status_description': u'Transactions Found'}}

>>> lipisha.get_customers()

{u'content': [{u'customer_average': u'125.00000000',
   u'customer_email': u'',
   u'customer_first_payment_date': u'2015-08-06 10:39:00',
   u'customer_last_payment_date': u'2015-08-14 16:51:00',
   u'customer_mobile_number': u'2547XXYYYZZZ',
   u'customer_name': u'Test User Names',
   u'customer_payments': u'2',
   u'customer_total': u'250.0000'}],
 u'status': {u'status': u'SUCCESS',
  u'status_code': 0,
  u'status_description': u'Customers Found'}}

>>> lipisha.get_customers(customer_mobile_number="2547XXYYYZZZ")
```

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```
{u'content': [{u'customer_average': u'125.00000000',
   u'customer_email': u'',
   u'customer_first_payment_date': u'2015-08-06 10:39:00',
   u'customer_last_payment_date': u'2015-08-14 16:51:00',
   u'customer_mobile_number': u'2547XXYYYZZZ',
   u'customer_name': u'Test User Names',
   u'customer_payments': u'2',
   u'customer_total': u'250.0000'}],
 u'status': {u'status': u'SUCCESS',
  u'status_code': 0,
  u'status_description': u'Customers Found'}}

>>> lipisha.authorize_card_transaction(account_number="098000",
                                       card_number="4242424242424242",
                                       address1="PO BOX 11111 99999",
                                       address2="",
                                       expiry="082020",
                                       name="Lipsha Test Account",
                                       country="KENYA",
                                       state="NAIROBI",
                                       zip="00200",
                                       security_code="999",
                                       amount=100,
                                       currency='KES')

{u'content': {u'transaction_index': u'{CDD55BEB-F74A-4A8B-8D5C-2FC77FF14E7B}',
  u'transaction_reference': 111111},
 u'status': {u'status': u'SUCCESS',
  u'status_code': u'0000',
  u'status_description': u'Transaction Authorized Successfully'}}

>>> lipisha.complete_card_transaction(transaction_reference=11111, transaction_index="
↪{CDD55BEB-F74A-4A8B-8D5C-2FC77FF14E7B}")

{u'content': {u'transaction_index': u'{CDD55BEB-F74A-4A8B-8D5C-2FC77FF14E7B}',
  u'transaction_reference': u'11111'},
 u'status': {u'status': u'SUCCESS',
  u'status_code': u'0000',
  u'status_description': u'Transaction Completed Successfully'}}

>>> lipisha.reverse_card_transaction(transaction_reference=11111, transaction_index="
↪{CDD55BEB-F74A-4A8B-8D5C-2FC77FF14E7B}")

{u'content': None, u'status': None}

>>> lipisha.create_payment_account(transaction_account_type=1,
                                   transaction_account_name="MPESA Payments",
                                   transaction_account_manager="test_account")

{u'content': {u'transaction_account_manager': u'test_account',
  u'transaction_account_name': u'MPESA Payments',
  u'transaction_account_number': u'09999',
  u'transaction_account_type': u'1'},
  u'status': {u'status': u'SUCCESS',
              u'status_code': 0,
              u'status_description': u'Account Created'}}
```

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```
>>> lipisha.create_withdrawal_account(transaction_account_type="1",
                                      transaction_account_name="Settlement Bank A/C",
                                      transaction_account_number="0100555555555",
                                      transaction_account_bank_name="AZY Bank",
                                      transaction_account_bank_branch="HQ",
                                      transaction_account_bank_address="PO BOX 900032 -␣
↪99999 Nairobi, Kenya",
                                      transaction_account_swift_code="ABCXYXXXX",
                                      transaction_account_manager="test_account")

{u'content': {u'transaction_account_bank_address': u'PO BOX 900032 - 99999 Nairobi,␣
↪Kenya',
  u'transaction_account_bank_branch': u'HQ',
  u'transaction_account_bank_name': u'AZY Bank',
  u'transaction_account_manager': u'test_account',
  u'transaction_account_name': u'Settlement Bank A/C',
  u'transaction_account_number': u'0100555555555',
  u'transaction_account_swift_code': u'ABCXYXXXX',
  u'transaction_account_type': u'1'},
  u'status': {u'status': u'SUCCESS',
              u'status_code': 0,
              u'status_description': u'Account Created'}}
```

CHAPTER

FOUR

FULL API DOCUMENTATION

See Full API Documentation

CHAPTER

FIVE

CONTRIBUTING

Contributions are welcome, and they are greatly appreciated! Every little bit helps, and credit will always be given.

You can contribute in many ways:

5.1 Types of Contributions

5.1.1 Report Bugs

Report bugs at https://github.com/lipisha/lipisha-python-sdk/issues.

If you are reporting a bug, please include:

- Your operating system name and version.
- Any details about your local setup that might be helpful in troubleshooting.
- Detailed steps to reproduce the bug.

5.1.2 Fix Bugs

Look through the GitHub issues for bugs. Anything tagged with "bug" is open to whoever wants to implement it.

5.1.3 Implement Features

Look through the GitHub issues for features. Anything tagged with "feature" is open to whoever wants to implement it.

5.1.4 Write Documentation

Lipisha Payment API SDK could always use more documentation, whether as part of the official Lipisha Payment API SDK docs, in docstrings, or even on the web in blog posts, articles, and such.

5.1.5 Submit Feedback

The best way to send feedback is to file an issue at https://github.com/lipisha/lipisha-python-sdk/issues.

If you are proposing a feature:

- Explain in detail how it would work.
- Keep the scope as narrow as possible, to make it easier to implement.
- Remember that this is a volunteer-driven project, and that contributions are welcome :)

5.2 Get Started!

Ready to contribute? Here's how to set up *lipisha* for local development.

1. Fork the *lipisha* repo on GitHub.
2. Clone your fork locally:

```
$ git clone git@github.com:your_name_here/lipisha-python-client.git
```

3. Install your local copy into a virtualenv. Assuming you have virtualenvwrapper installed, this is how you set up your fork for local development:

```
$ mkvirtualenv lipisha
$ cd lipisha/
$ python setup.py develop
```

4. Create a branch for local development:

```
$ git checkout -b name-of-your-bugfix-or-feature
```

   Now you can make your changes locally.

5. When you're done making changes, check that your changes pass flake8 and the tests, including testing other Python versions with tox:

```
$ flake8 lipisha tests
$ python setup.py test
$ tox
```

   To get flake8 and tox, just pip install them into your virtualenv.

6. Commit your changes and push your branch to GitHub:

```
$ git add .
$ git commit -m "Your detailed description of your changes."
$ git push origin name-of-your-bugfix-or-feature
```

7. Submit a pull request through the GitHub website.

5.3 Pull Request Guidelines

Before you submit a pull request, check that it meets these guidelines:

1. The pull request should include tests.
2. If the pull request adds functionality, the docs should be updated. Put your new functionality into a function with a docstring, and add the feature to the list in README.rst.
3. The pull request should work for Python 2.6, 2.7, 3.3, and 3.4, and for PyPy. Check https://travis-ci.org/lipisha/lipisha/pull_requests and make sure that the tests pass for all supported Python versions.

5.4 Tips

To run a subset of tests:

```
$ python -m unittest tests.test_lipisha
```

CHAPTER

SIX

CREDITS

6.1 Development Lead

- Mũrĩthi Borona <tech@lipisha.com>

6.2 Contributors

None yet. Why not be the first?

CHAPTER

SEVEN

HISTORY

CHAPTER EIGHT

0.3.0 (2020-11-03)

- Reflect all round updates on API, License and Docs.

CHAPTER NINE

0.2.5 (2020-11-02)

- Updated API Base URLs

CHAPTER

TEN

0.2.4 (2016-09-15)

- Added request_money API (See *Request Money API <http://developer.lipisha.com/index.php/app/launch/api_request_money>*)

CHAPTER

ELEVEN

0.2.3 (2016-04-20)

- Encoding bugfix (See *Issue 1 <https://github.com/lipisha/lipisha-python-sdk/issues/1>*).

CHAPTER

TWELVE

0.2.1 /0.2.2 (2015-08-14)

- Documentation updates
- PYPI releases

CHAPTER

THIRTEEN

0.2.0 (2015-08-14)

- Bytes handling fixes (Python3.3/Python3.4)
- Sandbox testing
- **Implemented new api endpoints**
  - Card authorization and settlement
  - Transactions listing
  - Customers listing
  - Settlement accounts setup
  - Transaction acccounts setup
- Improved documentation

CHAPTER

FOURTEEN

0.1.0 (2015-08-12)

- First release on PyPI.

CHAPTER

FIFTEEN

INDICES AND TABLES

- genindex
- modindex
- search