SKD General Description:

The class that must be used to do any kind of queries and transactions to the PayHub API is **TransactionManager**.

This class have methods to perform transactions and his the responses. Also, it have query methods that allows you to perform searches.

A **TransactionManager** object must be instantiated through an Url, a Token and a Merchant object. This Merchant must have your organization related parameters.

**TransactionManager Class Methods:**

Transaction Methods:

doSale(Sale sale):

**Description**: Performs a new Sale.

**Required Parameters**: a Sale Object. See the Sale object description.

**Return Value**: a Sale Response Information object that it have all the related parameters to the sale that was correctly performed, also, allows you to obtain extra information of the sale through his public methods. In case of error, these are saved in the Error attribute.

For more information see the Sale Response Information description.

**Examples:**

**JAVA:**

String url = "https://staging-api.payhub.com/api/v2/";

String oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.setOrganization\_id(10127);

merchant.setTerminal\_id(215);

Bill bill = new Bill();

bill.setBase\_amount(new TransactionAmount().dollars(new BigDecimal(100)));

bill.setShipping\_amount((new TransactionAmount().dollars(new BigDecimal(200))));

bill.setTax\_amount((new TransactionAmount().dollars(new BigDecimal(100))));

bill.note = "";

bill.invoice\_number = "";

bill.po\_number = "";

CardData card\_data = new CardData();

card\_data.setCard\_number( "5466410004374507");

card\_data.setCard\_expiry\_date("202012"); //September 2018

card\_data.setBilling\_address\_1 ("123 Happy St");

card\_data.setBilling\_address\_2 ("On the corner");

card\_data.setBilling\_city ("San Rafael");

card\_data.setBilling\_state ("CA");

card\_data.setBilling\_zip ("12345");

card\_data.setCvv\_data ("998");

Customer customer = new Customer();

customer.setFirst\_name("Joe");

customer.setLast\_name("Tester");

customer.setCompany\_name("Payhub Inc");

customer.setJob\_title("Software Engineer");

customer.setEmail\_address("test@payhub.com");

customer.setWeb\_address("http://payhub.com");

customer.setPhone\_number("844-217-1631");

customer.setPhone\_ext("123");

customer.setPhone\_type("W");

Sale sale = new Sale(merchant, bill, card\_data, customer);

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

SaleResponseInformation response = transaction.doSale(sale);

**C#:**

string url = "https://staging-api.payhub.com/api/v2/";

string oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.organization\_id = 10127;

merchant.terminal\_id = 215;

Bill bill = new Bill();

bill.Base\_amount = (decimal)7.00m;

bill.Shipping\_amount = (decimal)2.00m;

bill.Tax\_amount = (decimal)1.00m;

bill.note = "";

bill.invoice\_number = "";

bill.po\_number = "";

CardData card\_data = new CardData();

card\_data.card\_number = "5466410004374507";

card\_data.card\_expiry\_date = "202012"; //September 2018

card\_data.billing\_address\_1 = "123 Happy St";

card\_data.billing\_address\_2 = "On the corner";

card\_data.billing\_city = "San Rafael";

card\_data.billing\_state = "CA";

card\_data.billing\_zip = "12345";

card\_data.cvv\_data = "998";

Customer customer = new Customer();

customer.first\_name = "Joe";

customer.last\_name = "Tester";

customer.company\_name = "Payhub Inc";

customer.job\_title = "Software Engineer";

customer.email\_address = "test@payhub.com";

customer.web\_address = "http://payhub.com";

customer.phone\_number = "844-217-1631";

customer.phone\_ext = "123";

customer.phone\_type = "W";

Sale sale = new Sale(merchant, bill, card\_data, customer);

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

SaleResponseInformation response = transaction.doSale(sale);

doAuthOnly(AuthOnly authorization):

**Description**: Performs a new Credit Card Authorization.

**Required Parameters**: an AuthOnly Object. See the AuthOnly object description.

**Return Value**: an Authorization Response Information object that it have all the related parameters to the authorization that was correctly performed, also, allows you to obtain extra information through his public methods. In case of error, these are saved in the Error attribute.

For more information see the Authorization Response Information description.

**Examples:**

**JAVA:**

String url = "https://staging-api.payhub.com/api/v2/";

String oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.setOrganization\_id(10127);

merchant.setTerminal\_id(215);

Bill bill = new Bill();

bill.setBase\_amount(new TransactionAmount().dollars(new BigDecimal(100)));

bill.setShipping\_amount((new TransactionAmount().dollars(new BigDecimal(200))));

bill.setTax\_amount((new TransactionAmount().dollars(new BigDecimal(100))));

bill.note = "";

bill.invoice\_number = "";

bill.po\_number = "";

CardData card\_data = new CardData();

card\_data.setCard\_number( "5466410004374507");

card\_data.setCard\_expiry\_date("202012"); //September 2018

card\_data.setBilling\_address\_1 ("123 Happy St");

card\_data.setBilling\_address\_2 ("On the corner");

card\_data.setBilling\_city ("San Rafael");

card\_data.setBilling\_state ("CA");

card\_data.setBilling\_zip ("12345");

card\_data.setCvv\_data ("998");

Customer customer = new Customer();

customer.setFirst\_name("Joe");

customer.setLast\_name("Tester");

customer.setCompany\_name("Payhub Inc");

customer.setJob\_title("Software Engineer");

customer.setEmail\_address("test@payhub.com");

customer.setWeb\_address("http://payhub.com");

customer.setPhone\_number("844-217-1631");

customer.setPhone\_ext("123");

customer.setPhone\_type("W");

AuthOnly authorization = new AuthOnly(merchant,bill,card\_data,customer);

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

AuthorizationResponseInformation response = transaction.doAuthonly(authorization);

**C#:**

string url = "https://staging-api.payhub.com/api/v2/";

string oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.organization\_id = 10127;

merchant.terminal\_id = 215;

Bill bill = new Bill();

bill.Base\_amount = (decimal)7.00m;

bill.Shipping\_amount = (decimal)2.00m;

bill.Tax\_amount = (decimal)1.00m;

bill.note = "";

bill.invoice\_number = "";

bill.po\_number = "";

CardData card\_data = new CardData();

card\_data.card\_number = "5466410004374507";

card\_data.card\_expiry\_date = "202012"; //September 2018

card\_data.billing\_address\_1 = "123 Happy St";

card\_data.billing\_address\_2 = "On the corner";

card\_data.billing\_city = "San Rafael";

card\_data.billing\_state = "CA";

card\_data.billing\_zip = "12345";

card\_data.cvv\_data = "998";

Customer customer = new Customer();

customer.first\_name = "Joe";

customer.last\_name = "Tester";

customer.company\_name = "Payhub Inc";

customer.job\_title = "Software Engineer";

customer.email\_address = "test@payhub.com";

customer.web\_address = "http://payhub.com";

customer.phone\_number = "844-217-1631";

customer.phone\_ext = "123";

customer.phone\_type = "W";

AuthOnly authorization = new AuthOnly(merchant,bill,card\_data,customer);

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

AuthorizationResponseInformation response = transaction.doAuthonly(authorization);

doCapture(Capture capture):

**Description**: Performs a new Credit Card Capture.

**Required Parameters**: a Capture Object. See the Capture object description.

**Return Value**: a Capture Response Information object that it have all the related parameters to the capture that was correctly performed, also, allows you to obtain extra information through his public methods. In case of error, these are saved in the Error attribute.

For more information see the Capture Response Information description.

**Java Example:**

String url = "https://staging-api.payhub.com/api/v2/";

String oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.organization\_id = 10127;

merchant.terminal\_id = 215;

String transactionId=”16552”;

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

CaptureResponseInformation responseCapture= transaction.doCapture(capture);

System.out.println(responseCapture.rowData);

**C# Example:**

string url = "https://staging-api.payhub.com/api/v2/";

string oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.organization\_id = 10127;

merchant.terminal\_id = 215;

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

var transactionId = “16552”;

Capture capture = new Capture(merchant,transactionId,bill);

CaptureResponseInformation responseCapture= transaction.doCapture(capture);

Console.Write(responseCapture.rowData);

doVoid(VoidTransaction voidData):

**Description**: Performs a new Void Operation on a credit card.

**Required Parameters**: a Void Transaction Object. See the Void Transaction object description.

**Return Value**: a Void Response Information object that it have all the related parameters to the void that was correctly performed, also, allows you to obtain extra information through his public methods. In case of error, these are saved in the Error attribute.

For more information see the Void Response Information description.

**Java Example:**

String url = "https://staging-api.payhub.com/api/v2/";

String oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.organization\_id = 10127;

merchant.terminal\_id = 215;

String saleId =”16552”;

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

VoidTransaction voidTransaction = new VoidTransaction(merchant, saleId);

VoidResponseInformation voidInfo = transaction.doVoid(voidTransaction);

System.out.println(voidInfo.getRowData());

**C# Example:**

string url = "https://staging-api.payhub.com/api/v2/";

string oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.organization\_id = 10127;

merchant.terminal\_id = 215;

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

var saleId = “16552”;

VoidTransaction voidTransaction = new VoidTransaction(merchant, saleId);

VoidResponseInformation voidInfo = transaction.doVoid(voidTransaction);

Console.Write(voidInfo .rowData);

doVerify(Verify verifyData):

**Description**: Performs a new Verify Operation on a credit card.

**Required Parameters**: a Verify Object. See the Verify object description.

**Return Value**: a Verify Response Information object that it have all the related parameters to the verify that was correctly performed, also, allows you to obtain extra information through his public methods. In case of error, these are saved in the Error attribute.

For more information see the Verify Response Information description.

**Java Example:**

String url = "https://staging-api.payhub.com/api/v2/";

String oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.organization\_id = 10127;

merchant.terminal\_id = 215;

CardData card\_data = new CardData();

card\_data.setCard\_number( "5466410004374507");

card\_data.setCard\_expiry\_date("202012"); //September 2018

card\_data.setBilling\_address\_1 ("123 Happy St");

card\_data.setBilling\_address\_2 ("On the corner");

card\_data.setBilling\_city ("San Rafael");

card\_data.setBilling\_state ("CA");

card\_data.setBilling\_zip ("12345");

card\_data.setCvv\_data ("998");

Customer customer = new Customer();

customer.setFirst\_name("Joe");

customer.setLast\_name("Tester");

customer.setCompany\_name("Payhub Inc");

customer.setJob\_title("Software Engineer");

customer.setEmail\_address("test@payhub.com");

customer.setWeb\_address("http://payhub.com");

customer.setPhone\_number("844-217-1631");

customer.setPhone\_ext("123");

customer.setPhone\_type("W");

Verify verify = new Verify(merchant, card\_data, customer);

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

VerfyResponseInformation response = transaction.doVerify(verify);

System.out.println(response.getRowData());

**C# Example:**

string url = "https://staging-api.payhub.com/api/v2/";

string oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.organization\_id = 10127;

merchant.terminal\_id = 215;

CardData card\_data = new CardData();

card\_data.card\_number = "5466410004374507";

card\_data.card\_expiry\_date = "202012"; //September 2018

card\_data.billing\_address\_1 = "123 Happy St";

card\_data.billing\_address\_2 = "On the corner";

card\_data.billing\_city = "San Rafael";

card\_data.billing\_state = "CA";

card\_data.billing\_zip = "94901";

card\_data.cvv\_data = "998";

Customer customer = new Customer();

customer.first\_name = "Joe";

customer.last\_name = "Tester";

customer.company\_name = "Payhub Inc";

customer.job\_title = "Software Engineer";

customer.email\_address = "test@payhub.com";

customer.web\_address = "http://payhub.com";

customer.phone\_number = "844-217-1631";

customer.phone\_ext = "123";

customer.phone\_type = "W";

Verify verify = new Verify(merchant, card\_data, customer);

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

VerifyResponseInformation response = transaction.doVerify(verify);

Console.Write(response.rowData);

doRefund(Refund refundData):

**Description**: Performs a refund of a sale.

**Required Parameters**: a Refund Object. See the Refund object description.

**Return Value**: a Refund Response Information object that it have all the related parameters to the refund that was correctly performed, also, allows you to obtain extra information through his public methods. In case of error, these are saved in the Error attribute.

For more information see the Refund Response Information description.

**Java Example:**

String url = "https://staging-api.payhub.com/api/v2/";

String oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.organization\_id = 10127;

merchant.terminal\_id = 215;

String transaction\_id="182363";

String record\_format="CREDIT\_CARD";

Refund refund = new Refund(merchant, transaction\_id, record\_format);

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

RefundInformation response = transaction.doRefund(refund);

System.out.println(response.getRowData());

**C# Example:**

string url = "https://staging-api.payhub.com/api/v2/";

string oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.organization\_id = 10127;

merchant.terminal\_id = 215;

var transaction\_id="182363";

var record\_format="CREDIT\_CARD";

Refund refund = new Refund(merchant, transaction\_id, record\_format);

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

RefundInformation response = transaction.doRefund(refund);

Console.Write(response.rowData);

doRecurringBill(RecurringBill recurringBill):

**Description**: Creates a new recurring bill.

**Required Parameters**: a Recurring Bill Object. See the Recurring Bill object description.

**Return Value**: a Recurring Bill Response Information object that it have all the related parameters to the recurring bill that was correctly performed, also, allows you to obtain extra information through his public methods. In case of error, these are saved in the Error attribute.

For more information see the Recurring Bill Response Information description.

**Java Example:**

String url = "https://staging-api.payhub.com/api/v2/";

String oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

ScheduleSartAndEnd scheduleSartAndEnd = new ScheduleSartAndEnd();

scheduleSartAndEnd.setStartDate("2015-07-08");

scheduleSartAndEnd.setEndDate("2016-07-08");

scheduleSartAndEnd.setEnd\_date\_type("O");

MontlySchedule montlySchedule = new MontlySchedule();

montlySchedule.setMonthly\_type("E");

List<Integer> m = new ArrayList<Integer>();

m.add(15);

montlySchedule.setMonthly\_each\_days(m);

Schedule schedule = new Schedule(scheduleSartAndEnd, montlySchedule);

schedule.setSchedule\_type("M");

schedule.setBill\_generation\_interval(1);

Merchant merchant = new Merchant();

merchant.setOrganization\_id(10127);

merchant.setTerminal\_id(215);

Bill bill = new Bill();

bill.setBase\_amount(new TransactionAmount().dollars(new BigDecimal(100)));

CardData card\_data = new CardData();

card\_data.setCard\_number( "5466410004374507");

card\_data.setCard\_expiry\_date("202012"); //September 2018

card\_data.setBilling\_zip ("12345");

Customer customer = new Customer();

customer.setFirst\_name("Joe");

customer.setLast\_name("Tester");

customer.setPhone\_number("844-217-1631");

customer.setPhone\_type("W");

RecurringBill recurringBill = new RecurringBill(merchant,card\_data,customer,schedule,bill);

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

RecurringBillingInformation response = transaction.doRecurringBill(recurringBill);

System.out.println(response.rowData);

**C# Example:**

string url = "https://staging-api.payhub.com/api/v2/";

string oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

ScheduleSartAndEnd scheduleSartAndEnd = new ScheduleSartAndEnd();

scheduleSartAndEnd.Start\_date = Convert.ToDateTime("2015-07-08");

scheduleSartAndEnd.End\_date = Convert.ToDateTime("2016-07-08");

scheduleSartAndEnd.end\_date\_type = "O";

MontlySchedule montlySchedule = new MontlySchedule();

montlySchedule.Monthly\_type = "E";

List<int> m = new List<int>();

m.Add(15);

montlySchedule.Monthly\_each\_days = m;

Schedule schedule = new Schedule(scheduleSartAndEnd, montlySchedule);

schedule.Schedule\_type = "M";

schedule.Bill\_generation\_interval = 1;

Merchant merchant = new Merchant();

merchant.organization\_id = 10127;

merchant.terminal\_id = 215;

Bill bill = new Bill();

bill.Base\_amount = (decimal)19.99m;

CardData card\_data = new CardData();

card\_data.card\_number = "4012881888818888";

card\_data.card\_expiry\_date = "202012"; //September 2018

card\_data.billing\_zip = "60527";

Customer customer = new Customer();

customer.first\_name = "Joe";

customer.last\_name = "Tester";

customer.phone\_number = "844-217-1631";

customer.phone\_type = "W";

RecurringBill recurringBill = new RecurringBill(merchant,card\_data,customer,schedule,bill);

recurringBill.Merchant = merchant;

recurringBill.Card\_data = card\_data;

recurringBill.Customer = customer;

recurringBill.Schedule = schedule;

recurringBill.Bill = bill;

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

RecurringBillInformation response = transaction.doRecurringBill(recurringBill);

Console.Write(response.rowData);

QueryMethods:

getSaleInformation(String saleId):

**Description:** Perform a new query that retrieves you the Sale Information for a particular Sale.

**Required Parameters**: String saleId. the ID of a particular Sale transaction..

**Return Value**: a Sale Response Information object that it have all the related parameters to the sale that was correctly performed, also, allows you to obtain extra information of the sale through his public methods. In case of error, these are saved in the Error attribute.

For more information see the Sale Response Information description.

**Java Example:**

String url = "https://staging-api.payhub.com/api/v2/";

String oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.setOrganization\_id = 10127;

merchant.setTerminal\_id = 215;

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

SaleResponseInformation response = transaction.getSaleInformation("182430");

System.out.println(response.getRowData());

**C# Example:**

string url = "https://staging-api.payhub.com/api/v2/";

string oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.organization\_id = 10127;

merchant.terminal\_id = 215;

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

SaleResponseInformation response = transaction.getSaleInformation("182430");

Console.Write(response.rowData);

getAllSalesInformation():

**Description:** Perform a new query that retrieves you a list of Sales.

**Required Parameters**: None.

**Return Value**: a list of Sale Response Information objects that it have all the related parameters to the sale that was correctly performed, also, allows you to obtain extra information of the sale through his public methods. In case of error, these are saved in the Error attribute.

For more information see the Sale Response Information description.

**Java Example:**

String url = "https://staging-api.payhub.com/api/v2/";

String oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.setOrganization\_id = 10127;

merchant.setTerminal\_id = 215;

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

List<SaleResponseInformation> response = transaction.getAllSalesInformation();

**C# Example:**

string url = "https://staging-api.payhub.com/api/v2/";

string oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.organization\_id = 10127;

merchant.terminal\_id = 215;

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

List<SaleResponseInformation> response = transaction.getAllSalesInformation();

getAuthorizationInformation(String authorizationId):

**Description:** Perform a new query that retrieves you the Authorization Information for a particular authorization.

**Required Parameters**: String authorizationId. the ID of a particular Authorization transaction.

**Return Value**: an Authorization Response Information object that it have all the related parameters to the authorization that was correctly performed, also, allows you to obtain extra information through his public methods. In case of error, these are saved in the Error attribute.

For more information see the Authorization Response Information description.

**Java Example:**

String url = "https://staging-api.payhub.com/api/v2/";

String oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.setOrganization\_id = 10127;

merchant.setTerminal\_id = 215;

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

AuthorizationResponseInformation response = transaction.getAuthorizationInformation("182430");

System.out.println(response.getRowData());

**C# Example:**

string url = "https://staging-api.payhub.com/api/v2/";

string oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.organization\_id = 10127;

merchant.terminal\_id = 215;

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

AuthorizationResponseInformation response = transaction.getAuthorizationInformation("182430");

Console.Write(response.rowData);

getAllAuthOnlyInformation():

**Description:** Perform a new query that retrieves you a list of Authorizations.

**Required Parameters**: None.

**Return Value**: a list of Authorization Response Information objects that it have all the related parameters to the authorization that was correctly performed, also, allows you to obtain extra information through his public methods. In case of error, these are saved in the Error attribute.

For more information see the Sale Response Information description.

**Java Example:**

String url = "https://staging-api.payhub.com/api/v2/";

String oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.setOrganization\_id(“10127”);

merchant.setTerminal\_id = (“215”);

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

List<AuthorizationResponseInformation> response = transaction.getAllAuthOnlyInformation();

**C# Example:**

string url = "https://staging-api.payhub.com/api/v2/";

string oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.organization\_id = 10127;

merchant.terminal\_id = 215;

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

List<AuthorizationResponseInformation> response = transaction.getAllAuthorizationInformation();

getCaptureInformation(String captureId):

**Description:** Perform a new query that retrieves you the Capture Information for a particular Capture.

**Required Parameters**: String captureId. the ID of a particular Capture transaction.

**Return Value**: a Capture Response Information object that it have all the related parameters to the capture that was correctly performed, also, allows you to obtain extra information through his public methods. In case of error, these are saved in the Error attribute.

For more information see the Capture Response Information description.

**Java Example:**

String url = "https://staging-api.payhub.com/api/v2/";

String oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.setOrganization\_id(“10127”);

merchant.setTerminal\_id = (“215”);

CaptureResponseInformation response = transaction.getCaptureInformation("182430");

System.out.println(response.getRowData());

**C# Example:**

string url = "https://staging-api.payhub.com/api/v2/";

string oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.organization\_id = 10127;

merchant.terminal\_id = 215;

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

AuthorizationResponseInformation response = transaction.getAuthorizationInformation("182430");

Console.Write(response.rowData);

getAllCaptureInformation():

**Description:** Perform a new query that retrieves you a list of Captures.

**Required Parameters**: None.

**Return Value**: a list of Capture Response Information objects that it have all the related parameters to the capture that was correctly performed, also, allows you to obtain extra information through his public methods. In case of error, these are saved in the Error attribute.

For more information see the Capture Response Information description.

**Java Example:**

String url = "https://staging-api.payhub.com/api/v2/";

String oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.setOrganization\_id(“10127”);

merchant.setTerminal\_id = (“215”);

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

List<CaptureResponseInformation> response = transaction.getAllCaptureInformation();

**C# Example:**

string url = "https://staging-api.payhub.com/api/v2/";

string oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.organization\_id = 10127;

merchant.terminal\_id = 215;

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

List<CaptureResponseInformation> response = transaction.getAllCaptureInformation();

getVoidInformation(String voidId):

**Description:** Perform a new query that retrieves you the Void Information for a particular Void transaction.

**Required Parameters**: String voidId. the ID of a particular Void transaction.

**Return Value**: a Void Response Information object that it have all the related parameters to the void that was correctly performed, also, allows you to obtain extra information through his public methods. In case of error, these are saved in the Error attribute.

For more information see the Void Response Information description.

**Java Example:**

String url = "https://staging-api.payhub.com/api/v2/";

String oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.setOrganization\_id(“10127”);

merchant.setTerminal\_id = (“215”);

VoidResponseInformation response = transaction.getVoidInformation("182430");

System.out.println(response.getRowData());

**C# Example:**

string url = "https://staging-api.payhub.com/api/v2/";

string oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.organization\_id = 10127;

merchant.terminal\_id = 215;

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

VoidResponseInformation response = transaction.getVoidInformation("182430");

Console.Write(response.rowData);

getAllVoidInformation():

**Description:** Perform a new query that retrieves you a list of Void transactions.

**Required Parameters**: None.

**Return Value**: a list of Void Response Information objects that it have all the related parameters to the void that was correctly performed, also, allows you to obtain extra information through his public methods. In case of error, these are saved in the Error attribute.

For more information see the Void Response Information description.

**Java Example:**

String url = "https://staging-api.payhub.com/api/v2/";

String oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.setOrganization\_id(“10127”);

merchant.setTerminal\_id = (“215”);

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

List<VoidResponseInformation> response = transaction.getAllVoidInformation();

**C# Example:**

string url = "https://staging-api.payhub.com/api/v2/";

string oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.organization\_id = 10127;

merchant.terminal\_id = 215;

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

List<VoidResponseInformation> response = transaction.getAllVoidInformation();

getVerifyInformation(String verifyId):

**Description:** Perform a new query that retrieves you the Verify Information for a particular Verify Transaction.

**Required Parameters**: String verifyId: the ID of a particular Verify Transaction.

**Return Value**: a Verify Response Information object that it have all the related parameters to the verify that was correctly performed, also, allows you to obtain extra information through his public methods. In case of error, these are saved in the Error attribute.

For more information see the Verify Response Information description.

**Java Example:**

String url = "https://staging-api.payhub.com/api/v2/";

String oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.setOrganization\_id(“10127”);

merchant.setTerminal\_id = (“215”);

VerifyResponseInformation response = transaction.getVerifyInformation("182430");

System.out.println(response.getRowData());

**C# Example:**

string url = "https://staging-api.payhub.com/api/v2/";

string oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.organization\_id = 10127;

merchant.terminal\_id = 215;

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

VerifyResponseInformation response = transaction.getVerifyInformation("182430");

Console.Write(response.rowData);

getAllVerifyInformation():

**Description:** Perform a new query that retrieves you the list of Verify Information.

**Required Parameters**: None.

**Return Value**: a list of Verify Response Information objects that it have all the related parameters to the verify that was correctly performed, also, allows you to obtain extra information through his public methods. In case of error, these are saved in the Error attribute.

For more information see the Verify Response Information description.

**Java Example:**

String url = "https://staging-api.payhub.com/api/v2/";

String oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.setOrganization\_id(“10127”);

merchant.setTerminal\_id = (“215”);

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

List<VerifyResponseInformation> response = transaction.getAllVerifyInformation();

**C# Example:**

string url = "https://staging-api.payhub.com/api/v2/";

string oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.organization\_id = 10127;

merchant.terminal\_id = 215;

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

List<VerifyResponseInformation> response = transaction.getAllVerifyInformation();

getRefundInformation(String refundId):

**Description:** Perform a new query that retrieves you the Refund Information for a particular Refund Operation.

**Required Parameters**:String refundId: the ID of a particular Refund Transaction.

**Return Value**: a Refund Response Information object that it have all the related parameters to the refund that was correctly performed, also, allows you to obtain extra information through his public methods. In case of error, these are saved in the Error attribute.

For more information see the Refund Response Information description.

**Java Example:**

String url = "https://staging-api.payhub.com/api/v2/";

String oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.setOrganization\_id(“10127”);

merchant.setTerminal\_id = (“215”);

RefundResponseInformation response = transaction.getRefundInformation("182430");

System.out.println(response.getRowData());

**C# Example:**

string url = "https://staging-api.payhub.com/api/v2/";

string oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.organization\_id = 10127;

merchant.terminal\_id = 215;

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

RefundResponseInformation response = transaction.getRefundInformation("182430");

Console.Write(response.rowData);

getAllRefundInformation():

**Description:** Perform a new query that retrieves you the list of Refund Information.

**Required Parameters**: None.

**Return Value**: a Refund Response Information objects that it have all the related parameters to the refund that was correctly performed, also, allows you to obtain extra information through his public methods. In case of error, these are saved in the Error attribute.

For more information see the Refund Response Information description.

**Java Example:**

String url = "https://staging-api.payhub.com/api/v2/";

String oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.setOrganization\_id(“10127”);

merchant.setTerminal\_id = (“215”);

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

List<RefundResponseInformation> response = transaction.getAllRefundInformation();

**C# Example:**

string url = "https://staging-api.payhub.com/api/v2/";

string oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.organization\_id = 10127;

merchant.terminal\_id = 215;

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

List<RefundResponseInformation> response = transaction.getAllRefundInformation();

getRecurringBillInformation(String recurringBillId):

**Description:** Perform a new query that retrieves you the Recurring Bill Information for a particular Recurring Bill transaction.

**Required Parameters**: String recurringBillId: the ID of a particular Recurring Bill Transaction.

**Return Value**: a Recurring Bill Response Information object that it have all the related parameters to the recurring bill that was correctly performed, also, allows you to obtain extra information through his public methods. In case of error, these are saved in the Error attribute.

For more information see the Recurring Bill Response Information description.

**Java Example:**

String url = "https://staging-api.payhub.com/api/v2/";

String oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.setOrganization\_id(“10127”);

merchant.setTerminal\_id = (“215”);

RecurringBillResponseInformation response = transaction.getRecurringBillInformation("182430");

System.out.println(response.getRowData());

**C# Example:**

string url = "https://staging-api.payhub.com/api/v2/";

string oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.organization\_id = 10127;

merchant.terminal\_id = 215;

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

RecurringBillResponseInformation response = transaction.getRecurringBillInformation("182430");

Console.Write(response.rowData);

getAllBillForSalesInformation():

**Description:** Perform a new query that retrieves you the list of bills for sales..

**Required Parameters**: None.

**Return Value**: a list of Bill Information objects that it have all the related parameters of the bills for sales that were correctly performed.

For more information see the Bill Information description.

**Java Example:**

String url = "https://staging-api.payhub.com/api/v2/";

String oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.setOrganization\_id(“10127”);

merchant.setTerminal\_id = (“215”);

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

List<BillInformation> bills = transaction.getAllBillForSalesInformation();

**C# Example:**

string url = "https://staging-api.payhub.com/api/v2/";

string oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.organization\_id = 10127;

merchant.terminal\_id = 215;

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

List<BillInformation> bills = transaction.getAllBillForSalesInformation();

getAllBillForRecurringBillInformation():

**Description:** Perform a new query that retrieves you the list of bills for recurring bills.

**Required Parameters**: None.

**Return Value**: a list of Bill Information objects that it have all the related parameters of the bills for recurring bills that were correctly performed..

For more information see the Bill Information description.

**Java Example:**

String url = "https://staging-api.payhub.com/api/v2/";

String oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.setOrganization\_id(“10127”);

merchant.setTerminal\_id = (“215”);

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

List<BillInformation> bills2 = transaction.getAllBillForRecurringBillInformation();

**C# Example:**

string url = "https://staging-api.payhub.com/api/v2/";

string oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.organization\_id = 10127;

merchant.terminal\_id = 215;

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

List<BillInformation> bills2 = transaction.getAllBillForRecurringBillInformation();

getAllMerchantInformation():

**Description:** Perform a new query that retrieves you the list of Merchants.

**Required Parameters**: None.

**Return Value**: a list of Merchant Information objects.

For more information see the Merchant Information description.

**Java Example:**

String url = "https://staging-api.payhub.com/api/v2/";

String oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.setOrganization\_id(“10127”);

merchant.setTerminal\_id = (“215”);

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

List<MerchantInformation> m= transaction.getAllMerchantInformation();

**C# Example:**

string url = "https://staging-api.payhub.com/api/v2/";

string oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.organization\_id = 10127;

merchant.terminal\_id = 215;

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

List<MerchantInformation> m= transaction.getAllMerchantInformation();

getAllCardDataInformation():

**Description:** Perform a new query that retrieves you the list of Card Data.

**Required Parameters**: None.

**Return Value**: a list of Card Data Information objects.

For more information see the Card Data Information description.

**Java Example:**

String url = "https://staging-api.payhub.com/api/v2/";

String oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.setOrganization\_id(“10127”);

merchant.setTerminal\_id = (“215”);

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

List<CardDataInformation> carddata = transaction.getAllCardDataInformation();

**C# Example:**

string url = "https://staging-api.payhub.com/api/v2/";

string oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.organization\_id = 10127;

merchant.terminal\_id = 215;

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

List<CardDataInformation> carddata = transaction.getAllCardDataInformation();

getAllCustomerForSalesInformation():

**Description:** Perform a new query that retrieves you the list of Customers for sales.

**Required Parameters**: None.

**Return Value**: a list of Customer Information objects that it have all the related parameters of the bills for sales that were correctly performed.

For more information see the Customers Information description.

**Java Example:**

String url = "https://staging-api.payhub.com/api/v2/";

String oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.setOrganization\_id(“10127”);

merchant.setTerminal\_id = (“215”);

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

List<CustomerInformation> customers = transaction.getAllCustomerForSalesInformation();

**C# Example:**

string url = "https://staging-api.payhub.com/api/v2/";

string oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.organization\_id = 10127;

merchant.terminal\_id = 215;

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

List<CustomerInformation> customers = transaction.getAllCustomerForSalesInformation();

getAllCustomerForRecurringBillInformation():

**Description:** Perform a new query that retrieves you the list of Customers for Recurring billings.

**Required Parameters**: None.

**Return Value**: a list of Customer Information objects that it have all the related parameters of the customers for recurring bills that were correctly performed..

For more information see the Customer Information description.

**Java Example:**

String url = "https://staging-api.payhub.com/api/v2/";

String oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.setOrganization\_id(“10127”);

merchant.setTerminal\_id = (“215”);

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

List<CustomerInformation> customers = transaction.getAllCustomerForRecurringBillInformation();

**C# Example:**

string url = "https://staging-api.payhub.com/api/v2/";

string oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.organization\_id = 10127;

merchant.terminal\_id = 215;

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

List<CustomerInformation> customers = transaction.getAllCustomerForRecurringBillInformation();

**Finders**

findRecurringBillInformationByMerchantOrganization(String merchantId):

**Description:** Perform a new query that retrieves you the Recurring Bill Information from a Merchant Id.

**Required Parameters**: String customerId: the ID of a particular Merchant Organization.

**Return Value**: a Recurring Bill Response Information object that it have all the related parameters of the recurring bill that was correctly performed, also, allows you to obtain extra information through his public methods. In case of error, these are saved in the Error attribute.

For more information see the Recurring Bill Response Information description.

**Java Example:**

String url = "https://staging-api.payhub.com/api/v2/";

String oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.setOrganization\_id(“10127”);

merchant.setTerminal\_id = (“215”);

RecurringBillResponseInformation response = transaction.getRecurringBillInformation("10127");

System.out.println(response.getRowData());

**C# Example:**

string url = "https://staging-api.payhub.com/api/v2/";

string oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.organization\_id = 10127;

merchant.terminal\_id = 215;

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

RecurringBillResponseInformation response = transaction.findRecurringBillInformationByMerchantOrganization("10127");

Console.Write(response.rowData);

findRecurringBillInformationByCustomer(String customerId):

**Description:** Perform a new query that retrieves you the Recurring Bill Information from a Customer Id.

**Required Parameters**: String customerId: the ID of a particular Customer.

**Return Value**: a Recurring Bill Response Information object that it have all the related parameters of the recurring bill that was correctly performed, also, allows you to obtain extra information through his public methods. In case of error, these are saved in the Error attribute.

For more information see the Recurring Bill Response Information description.

**Java Example:**

String url = "https://staging-api.payhub.com/api/v2/";

String oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.setOrganization\_id(“10127”);

merchant.setTerminal\_id = (“215”);

RecurringBillResponseInformation response = transaction.findRecurringBillInformationByCustomer("10127");

System.out.println(response.getRowData());

**C# Example:**

string url = "https://staging-api.payhub.com/api/v2/";

string oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.organization\_id = 10127;

merchant.terminal\_id = 215;

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

RecurringBillResponseInformation response = transaction.findRecurringBillInformationByCustomer("10127");

Console.Write(response.rowData);

findTransactions(TransactionSearchParameters parameters):

**Description:** Perform a new query that retrieves you the a list of transactions by different search parameters.

**Required Parameters**: TransactionSearchParameters parameters: the parameters for search.

**Return Value**: a list of Transaction Report Information objects that it have all the related parameters of the transactions that were correctly performed. In case of error, these are saved in the Error attribute.

For more information see the Transaction Report Information description.

**Java Example:**

String url = "https://staging-api.payhub.com/api/v2/";

String oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.organization\_id = 10127;

merchant.terminal\_id = 215;

TransactionSearchParameters tsp = new TransactionSearchParameters();

tsp.amountFrom("1");

tsp.amountTo("1002");

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

List<TransactionReportInformation> tri = transaction.findTransactions(tsp);

**C# Example:**

string url = "https://staging-api.payhub.com/api/v2/";

string oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.organization\_id = 10127;

merchant.terminal\_id = 215;

TransactionSearchParameters tsp = new TransactionSearchParameters();

tsp.amountFrom=”1” ;

tsp.amountTo="1002”;

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

List<TransactionReportInformation> tri = transaction.findTransactions(tsp);

**Metadata:**

addMetaData(String metadata,TransactionType type,String operationId)

**Description:** The user is able to add metadata on any transaction.

**Required Parameters**:

String metadata: the metadata to add.

TransactionType type: the type of transaction (Sale, AuthOnly, Capture, Bill, CardData, Customer, Merchant, RecurringBill, Schedule, Refund, VoidTransaction, Verify).

String operationId: the id of the operation where the metadata is going to be added.

**Return Value**:none;

**Java Example:**

String url = "https://staging-api.payhub.com/api/v2/";

String oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.organization\_id = 10127;

merchant.terminal\_id = 215;

TransactionSearchParameters tsp = new TransactionSearchParameters();

tsp.amountFrom("1");

tsp.amountTo("1002");

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

String data = "this is metadata";

transaction.addMetaData(data, TransactionType.AuthOnly, "182525");

**C# Example:**

string url = "https://staging-api.payhub.com/api/v2/";

string oauth = "107d74ab-4a18-4713-88ff-69bd05710086";

Merchant merchant = new Merchant();

merchant.organization\_id = 10127;

merchant.terminal\_id = 215;

TransactionSearchParameters tsp = new TransactionSearchParameters();

tsp.amountFrom=”1” ;

tsp.amountTo="1002”;

TransactionManager transaction = new TransactionManager(url, oauth, merchant);

string data = "this is metadata";

transaction.addMetaData(data, TransactionType.AuthOnly, "182525");

**RESPONSE CLASSES:**

**AuthorizationResponseInformation:**

This class represents an AuthOnly transaction.

**Attributes**:

AuthOnlyResponse authOnlyResponse; the response of the authorization transaction

Object \_links; links related to the transaction

List<Errors> errors; a list of errors, if there were any

String rowData; the data as json

Object metaData; metadata, it there was any.

BillInformation billInformation; the bill information related to the Authorization.

CardDataInformation cardDataInformation; the card data information related to the Authorization.

CustomerInformation customerInformation; the customer information related to the Authorization.

MerchantInformation merchantInformation; the merchant information related to the Authorization.

**BillInformation:**

This class shows the information of bills.

It have two methods:

getById(String Id): retrieves the information for a particular bill.

getByTransactionId(TransactionType type, String id):

retrieves the information for a particular bill searching by a transaction type and the Id of that transaction.

**CaptureResponseInformation:**

This class represents a Capture transaction.

**Attributes**:

CaptureResponse lastCaptureResponse; the response of the capture transaction

Object \_links; links related to the transaction

List<Errors> errors; a list of errors, if there were any

String rowData; the data as json

Object metaData; metadata, it there was any.

BillInformation billInformation; the bill information related to the Capture.

MerchantInformation merchantInformation; the merchant information related to the Capture.

**CardDataInformation:**

This class shows the information of cards.

It have two methods:

getById(String Id): retrieves the information for a particular cards.

getByTransactionId(TransactionType type, String id):

retrieves the information for a particular cards searching by a transaction type and the Id of that transaction.

**CustomerInformation:**

This class shows the information of customers.

It have two methods:

getById(String Id): retrieves the information for a particular customer.

getByTransactionId(TransactionType type, String id):

retrieves the information for a particular customer searching by a transaction type and the Id of that transaction.

**MerchantInformation:**

This class shows the information of merchants.

It have two methods:

getById(String Id): retrieves the information for a particular merchant.

getByTransactionId(TransactionType type, String id):

retrieves the information for a particular merchant searching by a transaction type and the Id of that transaction.

**RecurringBillResponseInformation:**

This class represents a Recurring bill transaction.

**Attributes**:

Merchant merchant; the current merchant of the transaction.

Customer customer;the current customer of the transaction.

CardData card\_data;the current cardData of the transaction.

Bill bill;the current bill of the transaction.

Schedule schedule;the current Schedule of the transaction.

Status status;the current status of the transaction.

RecurringBillResponse lastRecurringBillResponse; the response of the Recurring bill transaction

Object \_links; links related to the transaction

List<Errors> errors; a list of errors, if there were any

String rowData; the data as json

Object metaData; metadata, it there was any.

BillInformation billInformation; the bill information related to the Authorization.

CardDataInformation cardDataInformation; the card data information related to the Recurring bill.

CustomerInformation customerInformation; the customer information related to the Recurring bill.

MerchantInformation merchantInformation; the merchant information related to the Recurring bill.

**RefundInformation:**

This class represents a Refund transaction.

**Attributes**:

Merchant merchant; the current merchant of the transaction.

String transaction\_id;the id of the transaction.

String merchantOrganizationId;the id of for the merchant that made the transaction.

RefundResponse lastRefundResponse; the response of the Refund transaction

Object \_links; links related to the transaction

List<Errors> errors; a list of errors, if there were any

String rowData; the data as json

Object metaData; metadata, it there was any.

MerchantInformation merchantInformation; the merchant information related to the Recurring bill.

**SaleResponseInformation:**

This class represents a Sale transaction response .

**Attributes**:

SaleResponse saleResponse; the response of the sale transaction

Object \_links; links related to the transaction

List<Errors> errors; a list of errors, if there were any

String rowData; the data as json

Object metaData; metadata, it there was any.

BillInformation billInformation; the bill information related to the Sale.

CardDataInformation cardDataInformation; the card data information related to the Sale.

CustomerInformation customerInformation; the customer information related to the Sale.

MerchantInformation merchantInformation; the merchant information related to the Sale

.

**ScheduleInformation:**

This class shows the information of schedules.

It have two methods:

getById(String Id): retrieves the information for a particular Schedule.

getByTransactionId(TransactionType type, String id):

retrieves the information for a particular schedule searching by a transaction type and the Id of that transaction.

**VerfyResponseInformation:**

This class represents a Verify transaction response .

**Attributes**:

VerifyResponse verifyResponse; the response of the verify transaction

Object \_links; links related to the transaction

List<Errors> errors; a list of errors, if there were any

String rowData; the data as json

Object metaData; metadata, it there was any.

CardDataInformation cardDataInformation; the card data information related to the Verify.

CustomerInformation customerInformation; the customer information related to the Verify.

MerchantInformation merchantInformation; the merchant information related to the Verify

.

**VoidResponseInformation:**

This class represents a Void transaction response .

**Attributes**:

String transaction\_id;the id of the transaction.

String merchantOrganizationId;the id of for the merchant that made the transaction.

VoidResponse lastVoidResponse; the response of the void transaction

Object \_links; links related to the transaction

List<Errors> errors; a list of errors, if there were any

String rowData; the data as json

Object metaData; metadata, it there was any.

MerchantInformation merchantInformation; the merchant information related to the Void transaction.

**TransactionReportInformation:**

This class represents the result for a query transaction by different parameters.

The result is saved in each attribute of this class.

**Attributes**:

String transactionID;

String batchID;

String transactionDate;

String customerName;

String cardType;

String cardLast4Digits;

String cardToken;

String responseCode;

String responseText;

String transactionType;

String amount;

String authAmount;

String swiped;

String source;

String phoneNumber;

String email;

String note;

String transactionStatus;

List<Errors> errors;