# MTN Momo API Consumption

* First you need to create an account and make subscriptions to the different Collections that are needed.
* Next you need to get to the sandbox and create a test user, just use any mechanism to generate a random string that can be used as an ID for the user to be created.

Here we are going to make a request to

**https://sandbox.momodeveloper.mtn.com/v1\_0/apiuser**

and we are going to pass the following parameters within the header

1. X-Reference-Id == which is the string we generated earlier, UUID
2. Content-Type == application/json
3. Ocp-Apim-Subscription-Key == this is the primary key in your profile

Then the body will have

{

"providerCallbackHost": "string"

}

When still in the sandbox, just use localhost:5000, or whatever, when hosted use that domain.

* Then to verify the user has actually been created, we can make a GET request to capture the user details.

We make a request to [**https://sandbox.momodeveloper.mtn.com/v1\_0/apiuser/{X-Reference-Id}**](https://sandbox.momodeveloper.mtn.com/v1_0/apiuser/%7bX-Reference-Id%7d)

**The parameters are X-Reference-Id**

**And we also need to pass the Ocp-Apim-Subscription-Key in the headers**

* After that we need to generate an API key that will identify the user we just created and to do that , we make a request to:

[**d**](https://sandbox.momodeveloper.mtn.com/v1_0/apiuser/%7bX-Reference-Id%7d/apikey)

**Where the request parameters are X-Reference-Id and we provide a request header of**

**Ocp-Apim-Subscription-Key**

**MAKING A REQUEST FOR PAYMENT**

**After creating a user, this user will be permanent and will be a medium through which all the transactions will go through, in otherwards that user is the application.**

**In every request made, the Ocp-Apim-Subscription-Key has to be provided and then an UUID of the app user (X-Reference-Id).**

**Lets get started, first we have to make a request for a payment token to MTN, this token is invoked the App user who wants to make a payment for a service or product.**

**To do this, we are going to make a request to:**

https://sandbox.momodeveloper.mtn.com/collection/token/

We are going to provide the Authorization and Ocp-Apim-Subscription-Key in the headers.

Just to note, the Authorization is a combination of X-Reference-Id and API key of the default user created (the Application) combined and encoded to base64.

Forexample X-Reference-Id = ‘ec315ecb-e9e7-4d96-a1c1-697f4640478d’

APIKey = ‘b1d6dcee8a5444e8890405cee69fcf21’

Then decode (X-Reference-Key + APIKey) to base 64 to generate the Authorization string

After that, We make a request for payment.

Here we will make a request to **https://sandbox.momodeveloper.mtn.com/collection/v1\_0/requesttopay**

In the Headers we will provide:

Authorization – which was generated earlier

X-Reference-Id – this time the ID of your application User

X-Target-Environment – url to your application, for test use(localhost:5000)

Content-type: application/json

Ocp-Apim-Subscription-Key – primary key from momo profile

In the request body, we will provide the following:

{

"amount": "string",

"currency": "string",

"externalId": "string",

"payer": {

"partyIdType": "MSISDN",

"partyId": "string"

},

"payerMessage": "string",

"payeeNote": "string"

}

From there, we will make a get request to get the details of the payment. We will make a request to,

**https://sandbox.momodeveloper.mtn.com/collection/v1\_0/requesttopay/{referenceId}**

Here we provide referenceId as a parameter with the request, this is the Id of a user we used to create the request to pay.

Then we are also going to provide Authorization, X-targert-Environment and Ocp-Apim-Subscription-Key along in the Headers