I was currently asked to implement a feature on the backend which was payment verification of khalti payment gateway in an API. I didn’t find enough resource with clear information except for [Khalti Docs](https://docs.khalti.com/) that helped me understand the basic and logical concepts of integrating khalti into Web apps. I learned to code and created a reusable Django app named [django-khalti](https://pypi.org/project/django-khalti/) so that it will be very easy for every one of us to integrate khalti into our Django project.

In this post, I will show you how easy it is to implement Khalti Payment Gateway with Django. I presume the reader has knowledge in python, basic Django and API’s. I will be using the Django Rest Framework and [django-khalti](https://pypi.org/project/django-khalti/) to demonstrate the implementation. Integrating Khalti Payment to your Django project requires the following steps:

1. First, you create a merchant account at [Khalti Payment Gateway](https://khalti.com/) and get your test secret api keys.
2. Then you create the payment through the frontend of your application through SDKs provided by [Khalti Docs](https://docs.khalti.com/).  
   SDKs available are:  
   -[Web SDK](https://docs.khalti.com/checkout/web/)-[Android SDK](https://docs.khalti.com/checkout/android/)-[iOS SDK](https://docs.khalti.com/checkout/ios/)
3. These SDKs on success provide this type of response:  
   *{ “idx”: “8xmeJnNXfoVjCvGcZiiGe7”,  
   “amount”: 1000,  
   “mobile”: “98XXXXX969”,  
   “product\_identity”: “1234567890”,  
   “product\_name”: “Dragon”,  
   “product\_url”: “*[*http://gameofthrones.wikia.com/wiki/Dragons*](http://gameofthrones.wikia.com/wiki/Dragons)*", “token”:“QUao9cqFzxPgvWJNi9aKac”  
   }*
4. Now, you will pass the amount and token data responded by Khalti SDK on step 3 to our API to verify payment which we will create using djangorestframework and django-khalti in this tutorial.

Now, let’s get started with the tutorial.

django-khalti is a Django app based on djangorestframework to conduct server-based payment verification of khalti payment gateway. For each payment, it can verify and return the status of payment through transaction token and paid amount.

**Install the django-khalti and django rest framework like this:**

pip install djangorestframework

pip install django-khalti

**Add “django-khalti” and “djangorestframework “to your INSTALLED\_APPS setting like this:**

INSTALLED\_APPS = [

…

‘rest\_framework’,

‘khalti’,

]

**Include the django-khalti URLconf in your project urls.py like this:**

path(‘khalti/’, include(‘khalti.urls’)),

**Add Khalti Merchant API key and Verify URL in your settings.py:**

KHALTI\_SECRET\_KEY = “<your api key>”

KHALTI\_VERIFY\_URL = “<https://khalti.com/api/v2/payment/verify/>"

**Test your endpoints like this:**

POST: /khalti/verifypayment/

body:{

'token':<transaction token>,

'amount':<transaction amount>

}

**You will get responses like this:**

On Success:

{

'status':True,

'details':{

"idx": "8xmeJnNXfoVjCvGcZiiGe7",

"type": {

"idx": "e476BL6jt9kgagEmsakyTL",

"name": "Wallet payment"

},

"state": {

"idx": "DhvMj9hdRufLqkP8ZY4d8g",

"name": "Completed",

"template": "is complete"

},

"amount": 1000,

"fee\_amount": 30,

"refunded": false,

"created\_on": "2018-20T14:48:08.867125+05:45",

"ebanker": null,

"user": {

"idx": "cCaPkRPQGn5D8StkiqqMJg",

"name": "Test User",

"mobile": "98XXXXXXX9"

},

"merchant": {

"idx": "UM75Gm2gWmZvA4TPwkwZye",

"name": "Test Merchant",

"mobile": "testmerchant@khalti.com"

}

}

}

On Error:

{

'status':False,

'details':{'token': ['Invalid token.']}

}

That’s all.It’s this easy to integrate Khalti payment gateway on your Django application.