**JWT Authentication in Django Rest Framework**

1. First, we need to install the “djangorestframework\_simplejwt” module.

**>** pip install djangorestframework\_simplejwt

2. Now we need to configure the “DEFAULT\_AUTHENTICATION\_CLASSES” for REST\_FRAMEWORK in settings.py file.

REST\_FRAMEWORK = {

“DEFAULT\_AUTHENTICATION\_CLASSES”: [

“rest\_framework\_simplejwt. authentication. JWTAuthentication”,

]

}

3. Now we need to configure the URL paths to obtain pair of tokens and refresh token in application’s urls.py file.

from rest\_framework\_simplejwt. Views import (

TokenObtainPairView,

TokenRefreshView,

)

Urlpatterns = [

path (‘api/token/’, TokenObtainPairView.as\_view (), name = ’token\_obtain\_pair’),

path (‘api/refresh/, TokenRefreshView.as\_view (), name = ‘token\_refresh’),

]

Now we can test these URLs using postman.

**JWT Settings**

Some of Simple JWT’s behavior can be customized through settings variables in settings.py file.

from datetime import timedelta

SIMPLE\_JWT = {

'ACCESS\_TOKEN\_LIFETIME': timedelta(minutes=5),

'REFRESH\_TOKEN\_LIFETIME': timedelta(days=1),

'ROTATE\_REFRESH\_TOKENS': False,

'BLACKLIST\_AFTER\_ROTATION': True,

'ALGORITHM': 'HS256',

'SIGNING\_KEY': settings. SECRET\_KEY,

'VERIFYING\_KEY': None,

'AUDIENCE': None,

'ISSUER': None,

'AUTH\_HEADER\_TYPES': ('Bearer',),

'USER\_ID\_FIELD': 'id',

'USER\_ID\_CLAIM': 'user\_id',

'AUTH\_TOKEN\_CLASSES': ('rest\_framework\_simplejwt. tokens. AccessToken',),

'TOKEN\_TYPE\_CLAIM': 'token\_type',

'JTI\_CLAIM': 'jti',

'SLIDING\_TOKEN\_REFRESH\_EXP\_CLAIM': 'refresh\_exp',

'SLIDING\_TOKEN\_LIFETIME': timedelta(minutes=5),

'SLIDING\_TOKEN\_REFRESH\_LIFETIME': timedelta(days=1),

}

For more **information about each parameter** and **Customizing token claims** and **Creating tokens manually** refer to the following link <https://pypi.org/project/djangorestframework-simplejwt/>.