

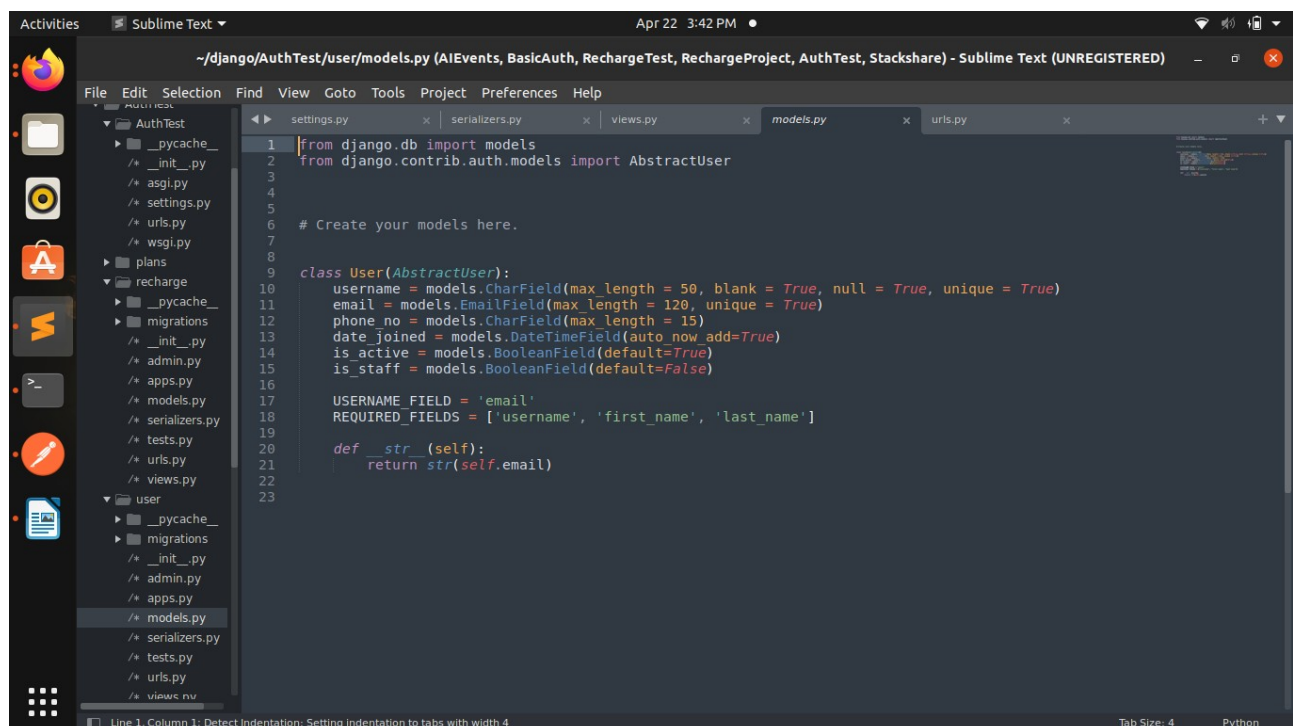
Githu Link - <https://github.com/Aqib8860/Recharge-Demo>

1. Number of Apps I will create on this Django Application

1. User
2. Plans
3. Recharge

2. Models

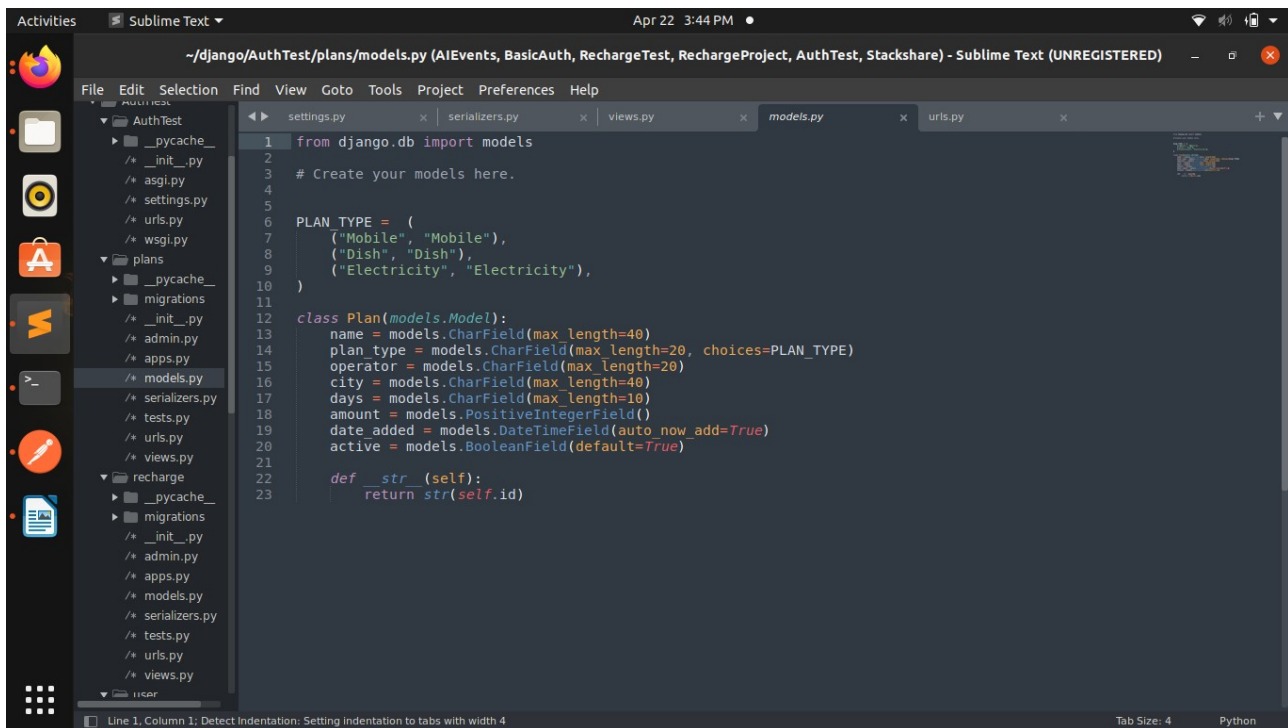
1. User – For User Registration & Login



```
~/django/AuthTest/user/models.py (AIEvents, BasicAuth, RechargeTest, RechargeProject, AuthTest, Stackshare) - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help
AuthTest
├── __pycache__
├── _init_.py
├── asgi.py
├── settings.py
├── urls.py
├── wsgi.py
├── plans
├── recharge
│   ├── __pycache__
│   ├── migrations
│   ├── _init_.py
│   ├── admin.py
│   ├── apps.py
│   ├── models.py
│   ├── serializers.py
│   ├── tests.py
│   ├── urls.py
│   └── views.py
└── user
    ├── __pycache__
    ├── migrations
    ├── _init_.py
    ├── admin.py
    ├── apps.py
    ├── models.py
    ├── serializers.py
    ├── tests.py
    ├── urls.py
    └── views.py

1 from django.db import models
2 from django.contrib.auth.models import AbstractUser
3
4 # Create your models here.
5
6
7
8
9
10 class User(AbstractUser):
11     username = models.CharField(max_length = 50, blank = True, null = True, unique = True)
12     email = models.EmailField(max_length = 120, unique = True)
13     phone_no = models.CharField(max_length = 15)
14     date_joined = models.DateTimeField(auto_now_add=True)
15     is_active = models.BooleanField(default=True)
16     is_staff = models.BooleanField(default=False)
17
18     USERNAME_FIELD = 'email'
19     REQUIRED_FIELDS = ['username', 'first_name', 'last_name']
20
21     def __str__(self):
22         return str(self.email)
23
```

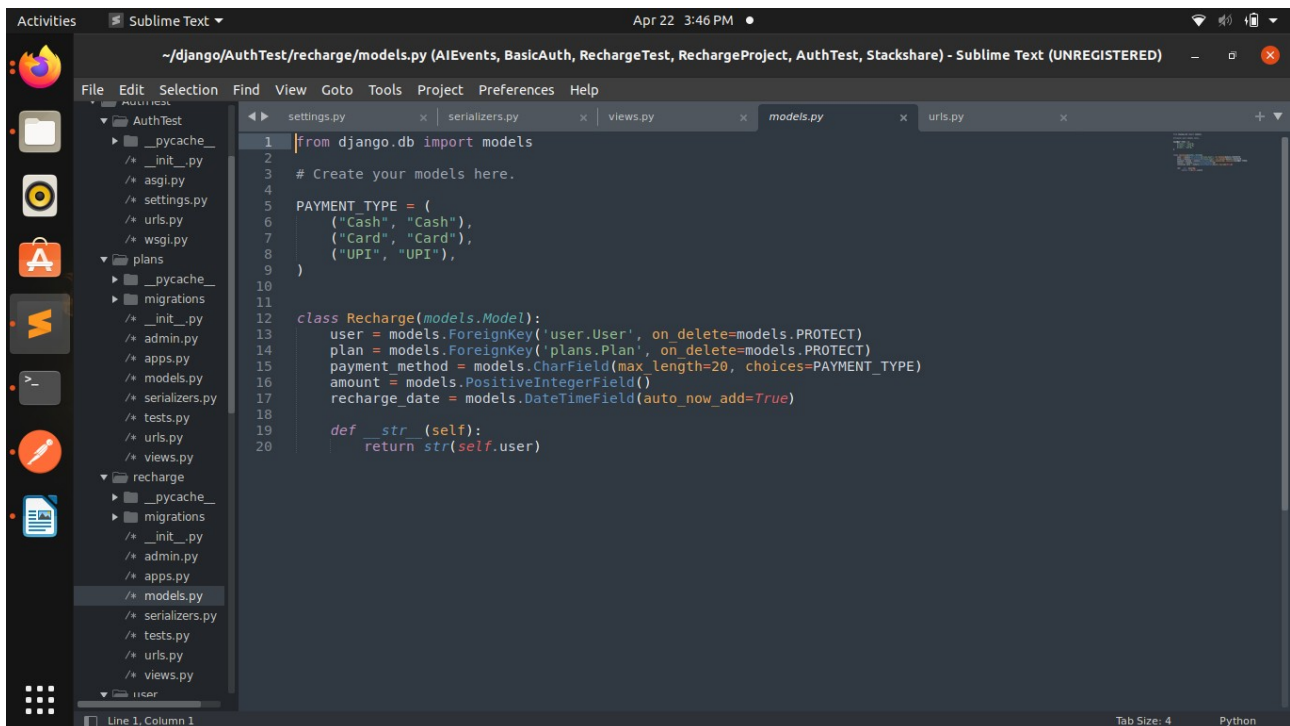
2. Plans – For Creation & Deletion of Plans



```
1 from django.db import models
2
3 # Create your models here.
4
5
6 PLAN_TYPE = (
7     ("Mobile", "Mobile"),
8     ("Dish", "Dish"),
9     ("Electricity", "Electricity"),
10 )
11
12 class Plan(models.Model):
13     name = models.CharField(max_length=40)
14     plan_type = models.CharField(max_length=20, choices=PLAN_TYPE)
15     operator = models.CharField(max_length=20)
16     city = models.CharField(max_length=40)
17     days = models.CharField(max_length=10)
18     amount = models.PositiveIntegerField()
19     date_added = models.DateTimeField(auto_now_add=True)
20     active = models.BooleanField(default=True)
21
22     def __str__(self):
23         return str(self.id)
```

3. Recharge – For Recharge History & Payment Details

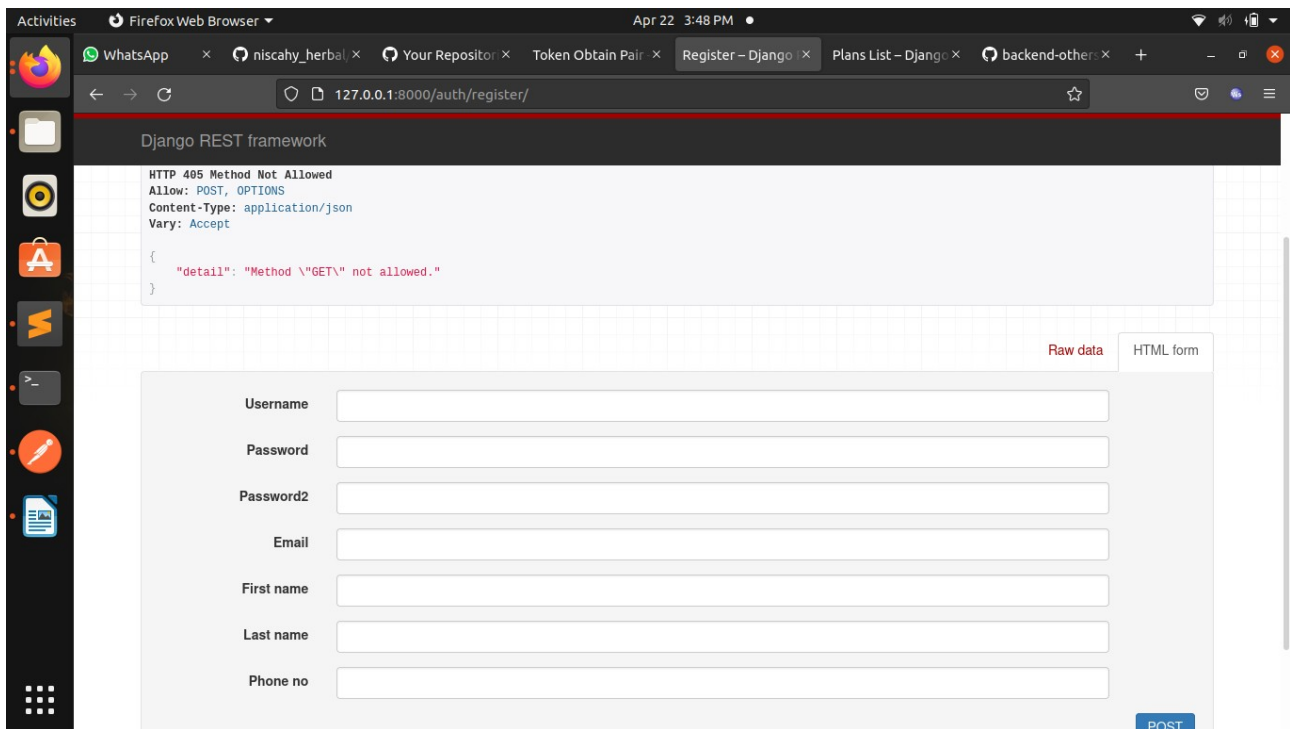
Note – Forgot to add mobile field in this model



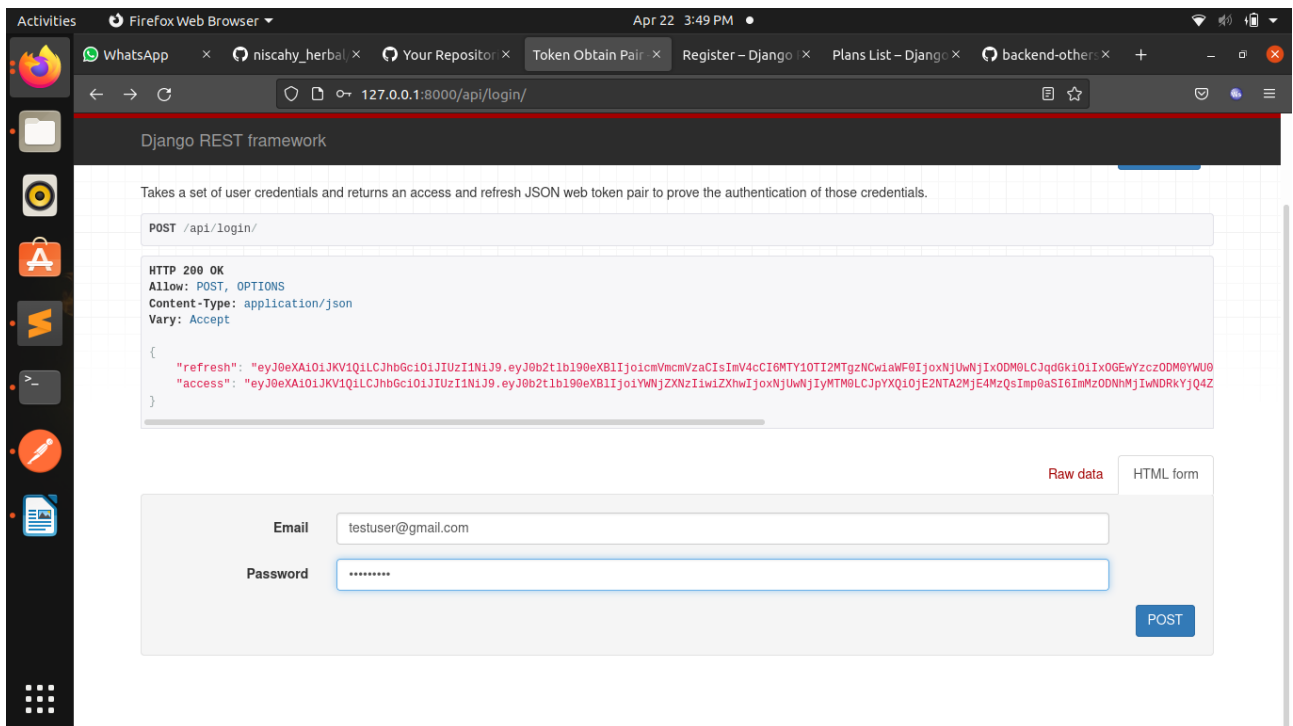
```
1 from django.db import models
2
3 # Create your models here.
4
5 PAYMENT_TYPE = (
6     ("Cash", "Cash"),
7     ("Card", "Card"),
8     ("UPI", "UPI"),
9 )
10
11
12 class Recharge(models.Model):
13     user = models.ForeignKey('user.User', on_delete=models.PROTECT)
14     plan = models.ForeignKey('plans.Plan', on_delete=models.PROTECT)
15     payment_method = models.CharField(max_length=20, choices=PAYMENT_TYPE)
16     amount = models.PositiveIntegerField()
17     recharge_date = models.DateTimeField(auto_now_add=True)
18
19     def __str__(self):
20         return str(self.user)
```

2. APIS

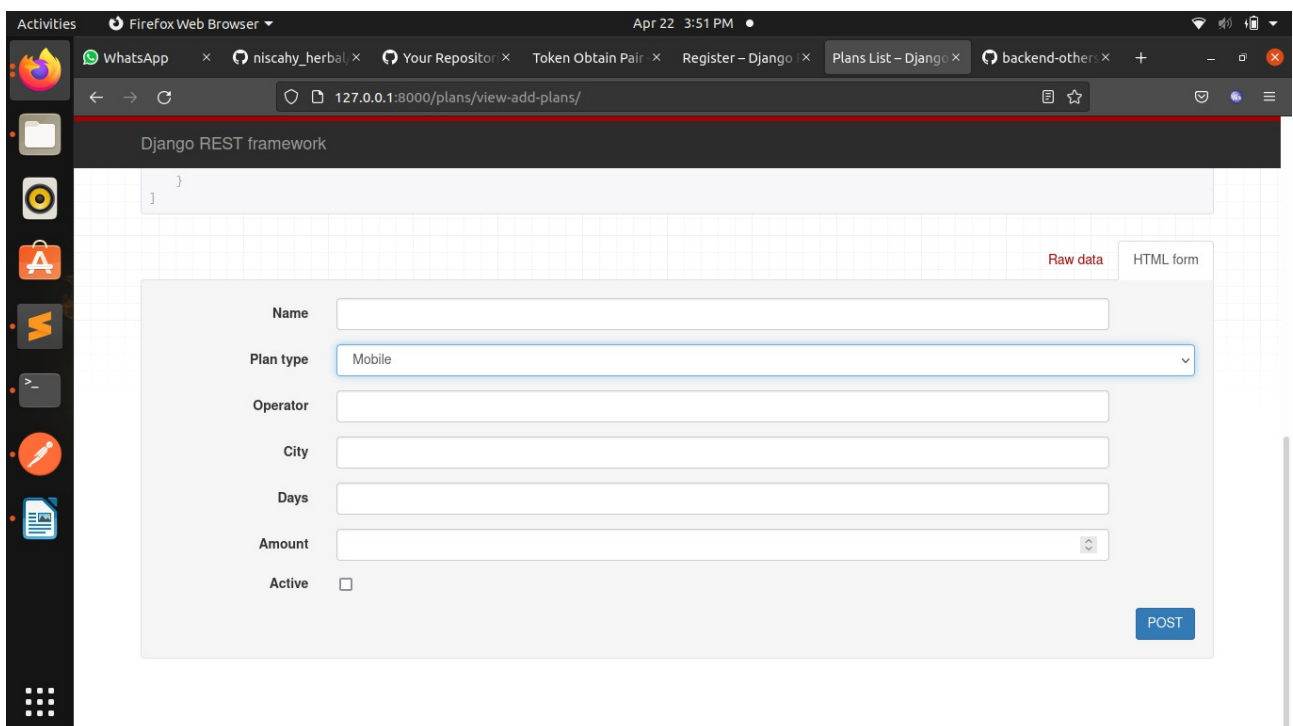
1. User Registration



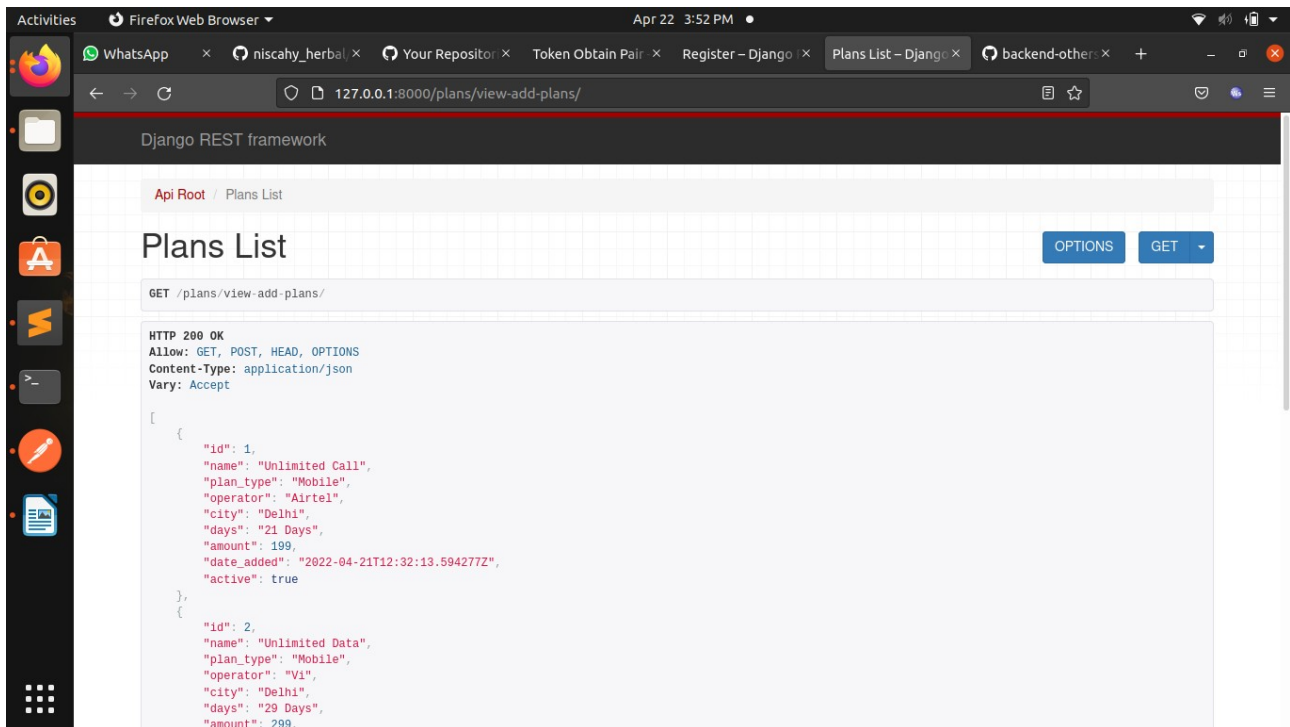
2. Login using jwt auth - Return Access & Refresh Token



3. Add Plans - <http://127.0.0.1:8000/plans/view-add-plans/>

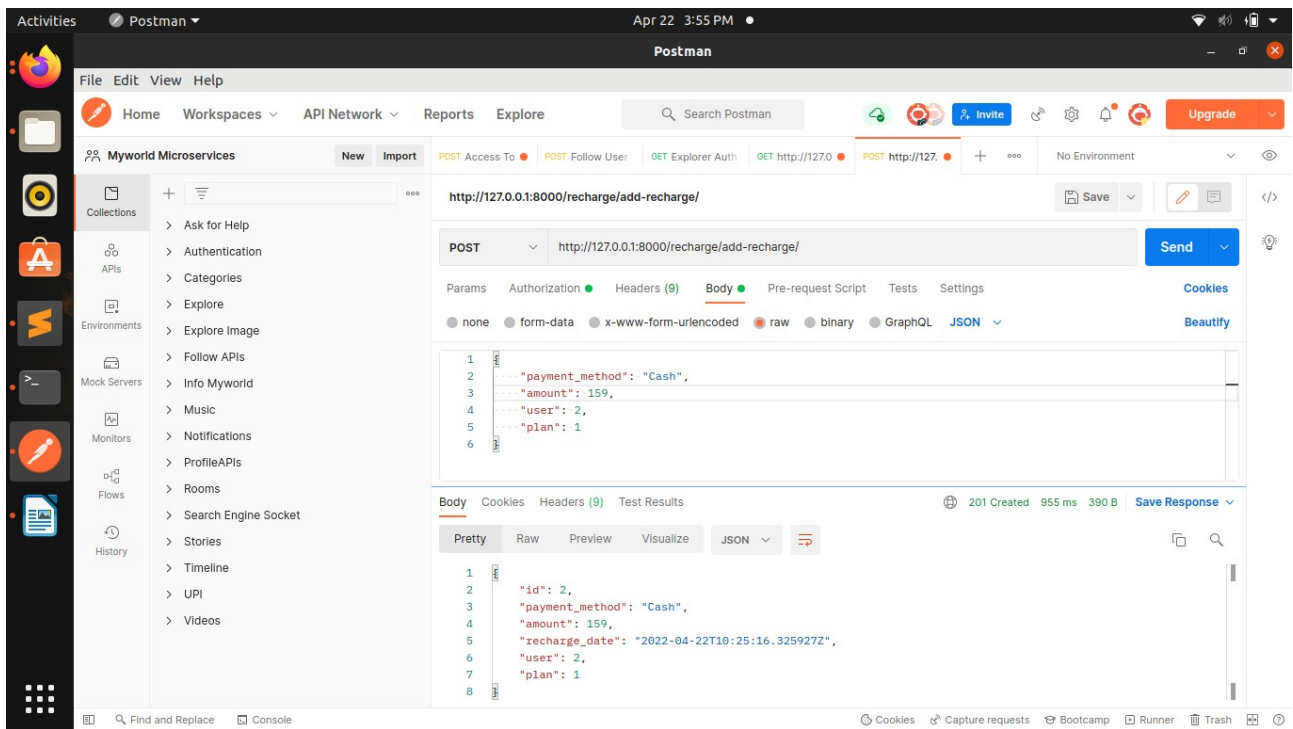


4. View Plans List - <http://127.0.0.1:8000/plans/view-add-plans/>



5. Add User Recharge - <http://127.0.0.1:8000/recharge/add-recharge/>

User Access Token is compulsory



6. User Recharge History - <http://127.0.0.1:8000/recharge/recharge-history/>

User Access Token is compulsory

