

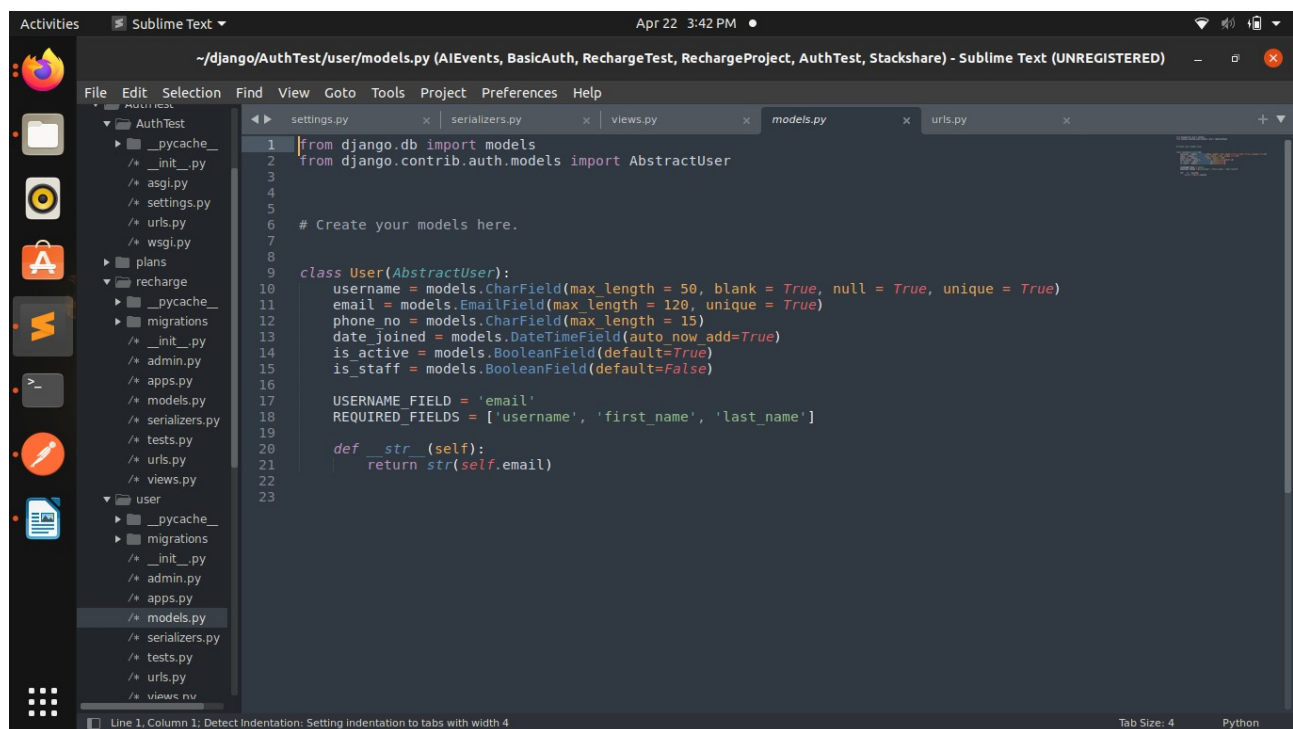
Githu Link - <https://github.com/Aqib8860/Recharge-Demo>

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

1. User
2. Plans
3. Recharge

## 2. Models

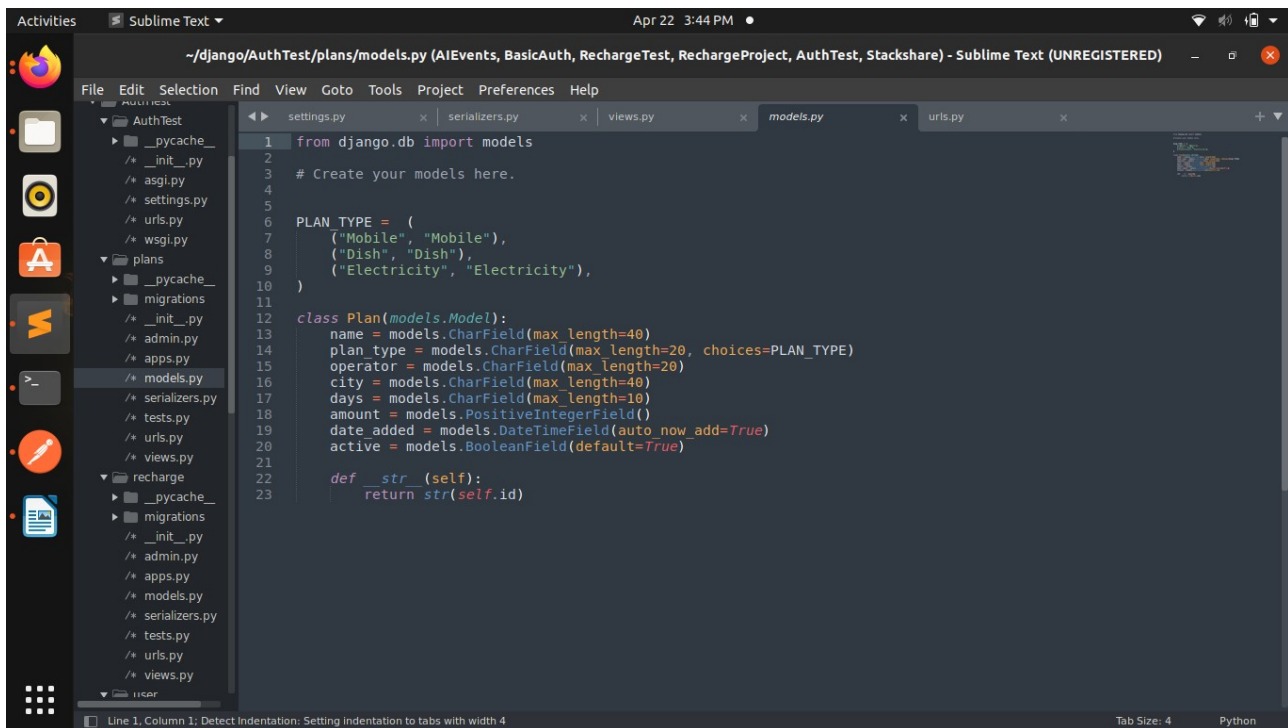
### 1. User – For User Registration & Login



```
~/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

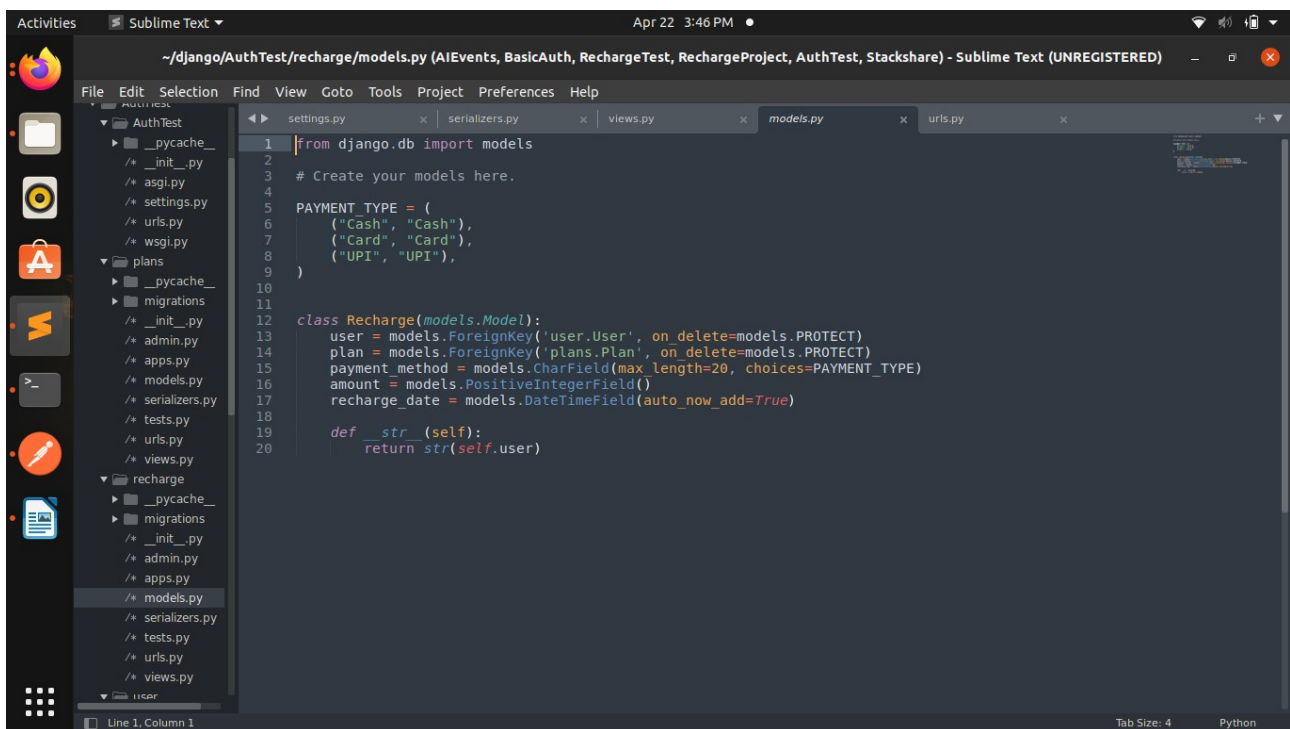
1 from django.db import models
2 from django.contrib.auth.models import AbstractUser
3
4 # Create your models here.
5
6
7
8
9
10 class User(AbstractUser):
11     username = models.CharField(max_length = 50, blank = True, null = True, unique = True)
12     email = models.EmailField(max_length = 120, unique = 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)
```

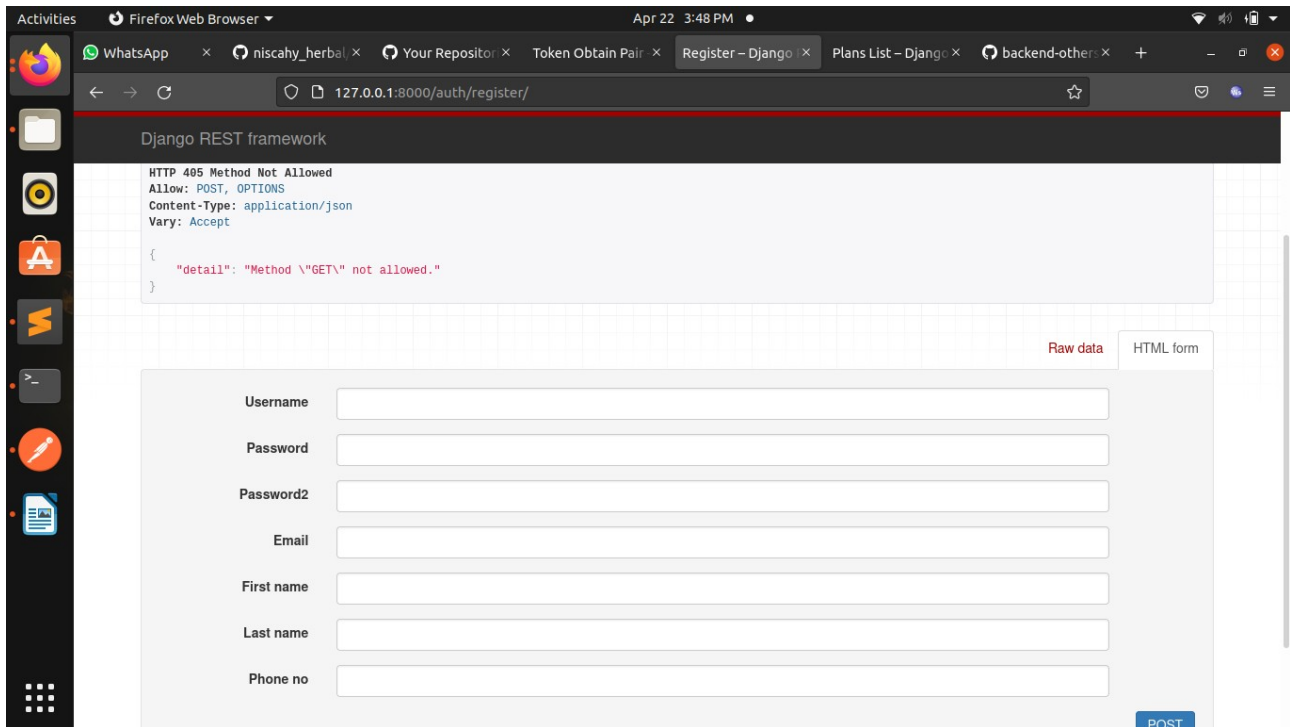
## 3. Recharge – For Recharge History & Payment Details



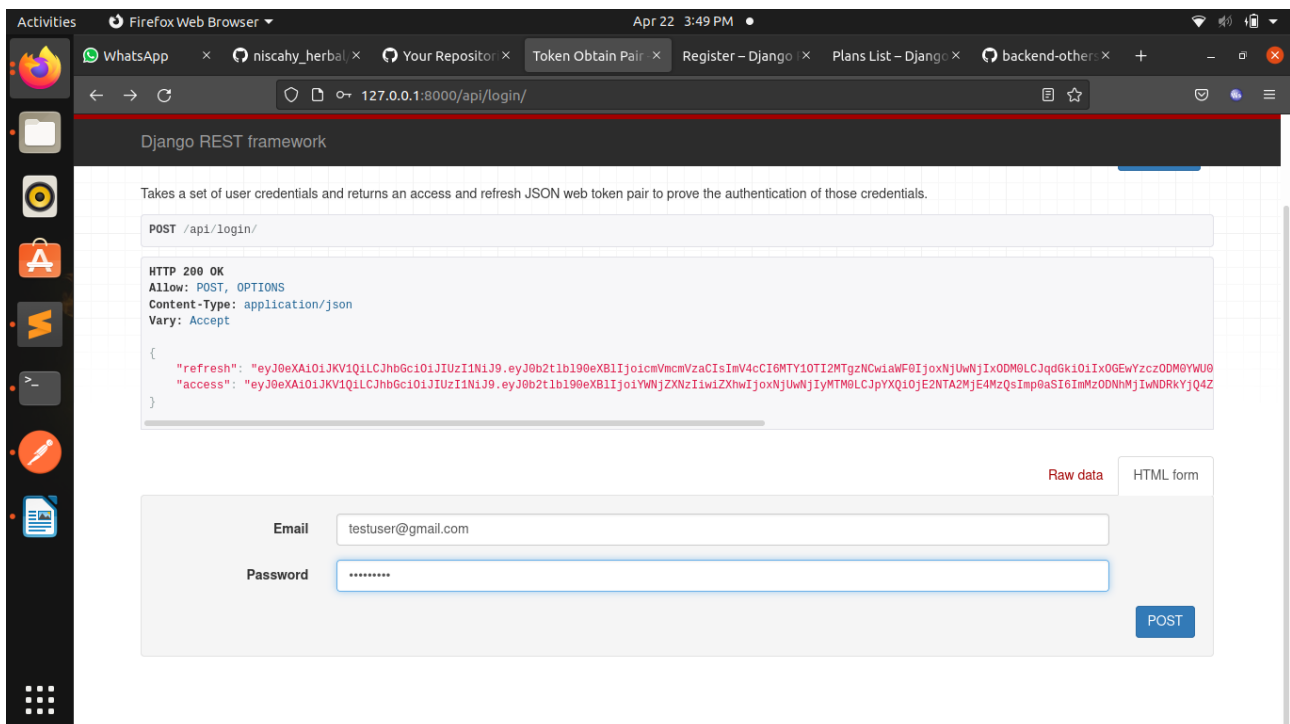
```
1 from django.db import models
2
3 # Create your models here.
4
5 PAYMENT_TYPE = (
6     ("Cash", "Cash"),
7     ("Card", "Card"),
8     ("UPI", "UPI"),
9 )
10
11
12 class Recharge(models.Model):
13     user = models.ForeignKey('user.User', on_delete=models.PROTECT)
14     plan = models.ForeignKey('plans.Plan', 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/>

The screenshot shows a web browser window with the URL `127.0.0.1:8000/plans/view-add-plans/`. The page is titled "Django REST framework" and displays a form for adding a new plan. The form includes the following fields:

- Name**: A text input field.
- Plan type**: A dropdown menu currently set to "Mobile".
- Operator**: A text input field.
- City**: A text input field.
- Days**: A text input field.
- Amount**: A text input field with a small spinner icon on the right.
- Active**: A checkbox.

At the bottom right of the form is a blue button labeled "POST". Above the form, there are tabs for "Raw data" and "HTML form".

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

The screenshot shows the same web browser window, but the URL is still `127.0.0.1:8000/plans/view-add-plans/`. The page now displays the "Plans List" view. At the top, there is a breadcrumb "Api Root / Plans List". Below this, the title "Plans List" is shown, followed by "OPTIONS" and "GET" buttons. The main content area displays the HTTP response for the GET request:

```
GET /plans/view-add-plans/

HTTP 200 OK
Allow: GET, POST, HEAD, OPTIONS
Content-Type: application/json
Vary: Accept

[
  {
    "id": 1,
    "name": "Unlimited Call",
    "plan_type": "Mobile",
    "operator": "Airtel",
    "city": "Delhi",
    "days": "21 Days",
    "amount": 199,
    "date_added": "2022-04-21T12:32:13.594277Z",
    "active": true
  },
  {
    "id": 2,
    "name": "Unlimited Data",
    "plan_type": "Mobile",
    "operator": "Vi",
    "city": "Delhi",
    "days": "29 Days",
    "amount": 299,
    "date_added": "2022-04-21T12:32:13.594277Z",
    "active": true
  }
]
```

### User Access Token is compulsory



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