

```
django-admin startproject UserAuth
```

```
cd UserAuth
```

```
python manage.py startapp Users
```

```
# Users/models.py
```

```
from django.contrib.auth.models import AbstractUser
```

```
class User(AbstractUser):
```

```
    pass
```

```
# Users/views.py
```

```
from rest_framework import status
```

```
from rest_framework.decorators import api_view
```

```
from rest_framework.response import Response
```

```
from django.contrib.auth import authenticate, login
```

```
from django.contrib.auth.tokens import default_token_generator
```

```
from django.core.exceptions import ValidationError
```

```
from django.utils.encoding import force_bytes
```

```
from django.utils.http import urlsafe_base64_encode
```

```
from django.core.mail import send_mail
```

```
from django.conf import settings
```

```
from .models import User
```

```
@api_view(['POST'])
```

```
def register(request):
```

```
    data = request.data
```

```
    serializer = UserSerializer(data=data)
```

```
    if serializer.is_valid():
```

```
        user = serializer.save()
```

```
        return Response({'message': 'User registered successfully'},
```

```
status=status.HTTP_201_CREATED)
```

```
    return Response(serializer.errors, status=status.HTTP_400_BAD_REQUEST)
```

```
@api_view(['POST'])
```

```
def verify(request):
```

```
    # Implement verification logic here
```

```
    pass
```

```
@api_view(['POST'])
```

```
def login(request):
    # Implement login logic here
    pass
```

```
@api_view(['POST'])
def forgot_password(request):
    # Implement forgot password logic here
    pass
```

```
@api_view(['POST'])
def reset_password(request):
    # Implement reset password logic here
    pass
```

```
# Users/serializers.py
from rest_framework import serializers
from .models import User
```

```
class UserSerializer(serializers.ModelSerializer):
    class Meta:
        model = User
        fields = ['first_name', 'last_name', 'email', 'username', 'password']
        extra_kwargs = {'password': {'write_only': True}}

    def create(self, validated_data):
        user = User.objects.create_user(**validated_data)
        return user
```

```
# Users/urls.py
from django.urls import path
from . import views
```

```
urlpatterns = [
    path('register/', views.register, name='register'),
    path('verify/', views.verify, name='verify'),
    path('login/', views.login, name='login'),
    path('forgot-password/', views.forgot_password, name='forgot_password'),
    path('reset-password/', views.reset_password, name='reset_password'),
]
```

```
# UserAuth/urls.py
from django.contrib import admin
from django.urls import path, include

urlpatterns = [
    path('admin/', admin.site.urls),
    path('api/', include('Users.urls')),
]
```