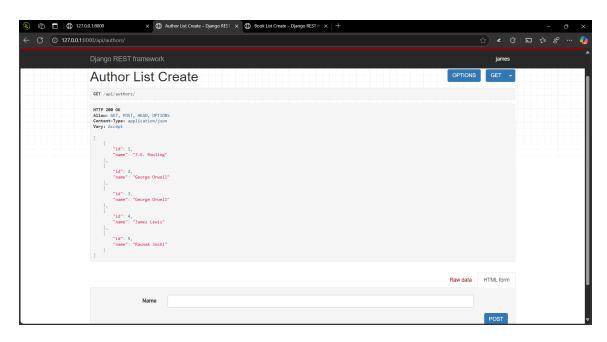
## Owais Dhukka 13

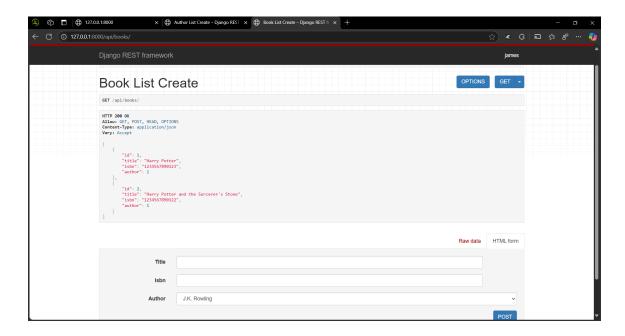
## Assignment 4 - Python Integration Primer

```
In [ ]: ### models.py
        from django.db import models
        class Author(models.Model):
            name = models.CharField(max length=100)
            def str (self):
                return self.name
        class Book(models.Model):
            title = models.CharField(max length=200)
            isbn = models.CharField(max length=13, unique=True)
            author = models.ForeignKey(Author, on delete=models.CASCADE)
            def str (self):
                return self title
In [ ]: ### serializers.py
        from rest framework import serializers
        from .models import Author, Book
        class AuthorSerializer(serializers.ModelSerializer):
            class Meta:
                model = Author
                fields = ' all '
        class BookSerializer(serializers.ModelSerializer):
            class Meta:
                model = Book
                fields = ' all '
In [ ]: ### urls.py
        from django.urls import path
        from .views import AuthorListCreateView, AuthorDetailView, BookListCreateVie
        urlpatterns = [
            path('authors/', AuthorListCreateView.as view(), name='author-list-creat
            path('authors/<int:pk>/', AuthorDetailView.as view(), name='author-detai
            path('books/', BookListCreateView.as_view(), name='book-list-create'),
            path('books/<int:pk>/', BookDetailView.as view(), name='book-detail'),
In [ ]: ### views.py
        from django.shortcuts import render
```

```
from rest framework import generics
from .models import Author, Book
from .serializers import AuthorSerializer, BookSerializer
from django.http import JsonResponse
# Author Views
class AuthorListCreateView(generics.ListCreateAPIView):
    queryset = Author.objects.all()
    serializer class = AuthorSerializer
class AuthorDetailView(generics.RetrieveUpdateDestroyAPIView):
    queryset = Author.objects.all()
    serializer class = AuthorSerializer
# Book Views
class BookListCreateView(generics.ListCreateAPIView):
    queryset = Book.objects.all()
    serializer_class = BookSerializer
class BookDetailView(generics.RetrieveUpdateDestroyAPIView):
    queryset = Book.objects.all()
    serializer class = BookSerializer
def home view(request):
    return JsonResponse({"message": "Welcome to the Library Management API.
```







This notebook was converted with convert.ploomber.io