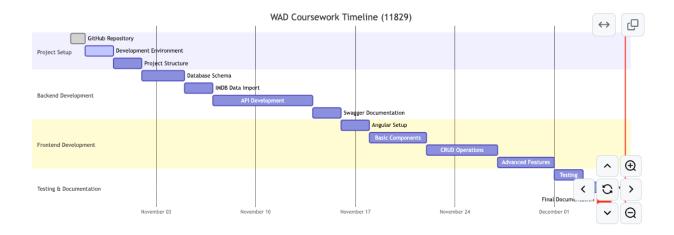
This document is a coursework report for the Web Applications Development (WAD) module by the student with ID 00011829 for Semester 1 at Westminster International University in Tashkent (WIUT).

GitHub repository link: 00011829

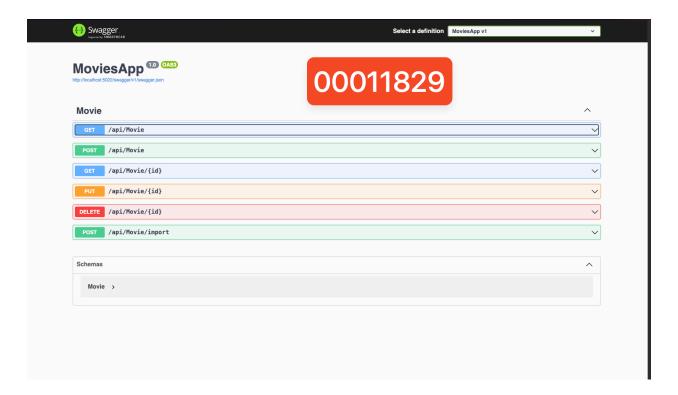
Development plan:



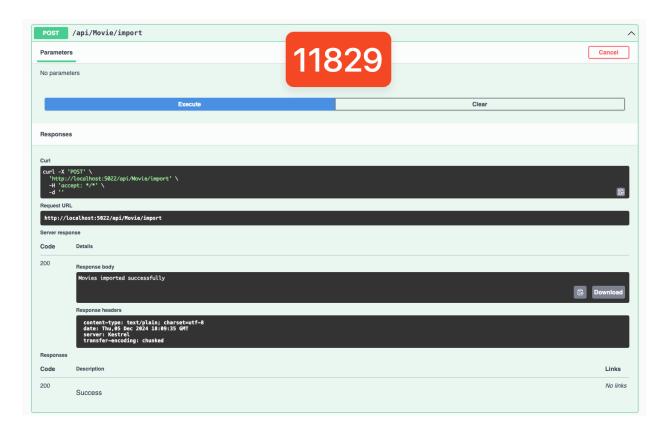
(Of course, I couldn't follow the timeline, but I managed to create this chart at the start of November, and can be seen in the coursework's GitHub repository).

API (Backend) screenshots

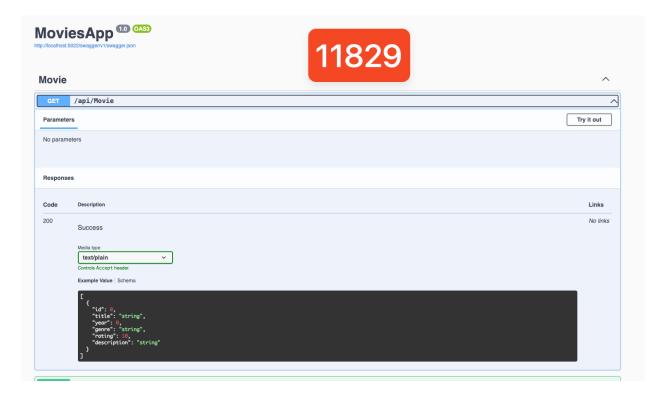
Here is the screenshot of my Swagger UI after everything was set up successfully and no endpoints were run yet:



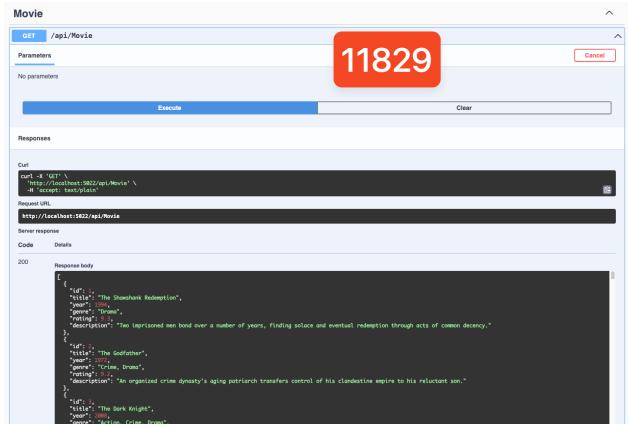
Since my app is a movies app, I decided to use the IMDB top 1000 movies dataset from Kaggle. It was in a CSV format, so I wrote a quick python script to convert it into a desirable JSON format (suitable for my application, see scripts/csv_to_json.py file). Then, I created the necessary components to enable the "Import" endpoint in the API. The below screenshot shows the swagger Ui state after I click on "Try it out" and then "Execute":



As you can see, I got a success message telling me the movies were imported. So, let's check out one of the movies (this is the GET endpoint before running it):

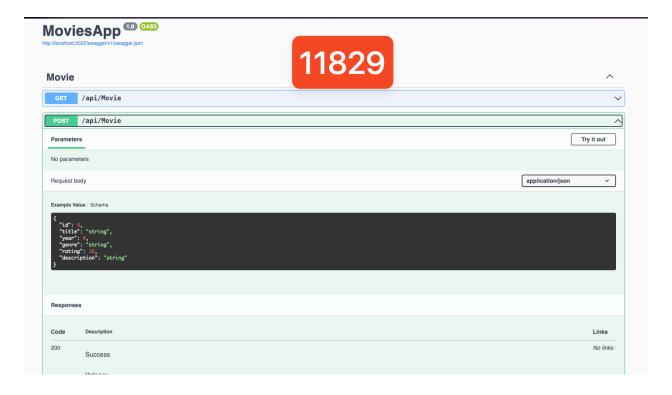


Here is the same endpoint after running it:

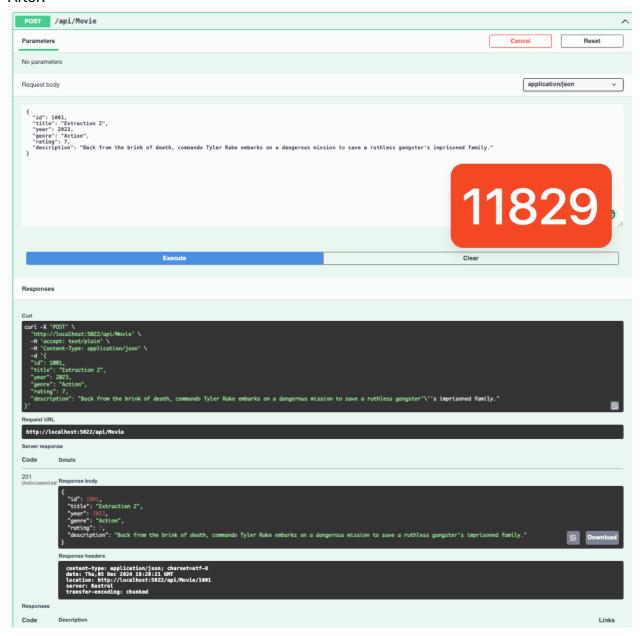


As you can see, the imported movies are present. Now, I will try to add a new movie with a POST request:

BEFORE:

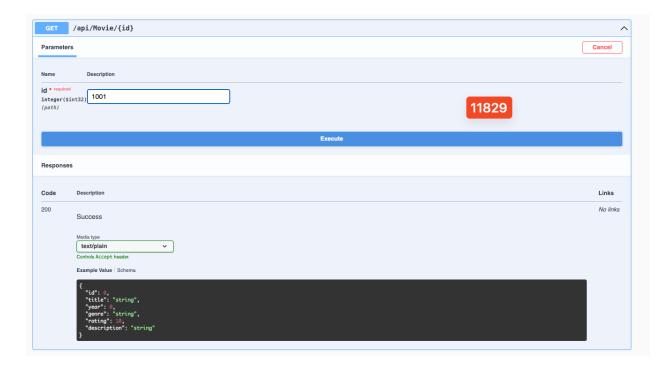


After:

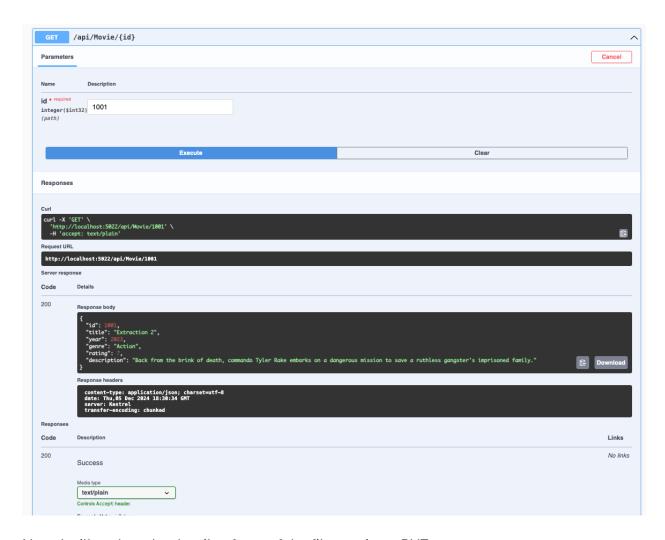


Now, I will try to get a movie using its ID. Let me try the one I just added with id 1001:

Before:

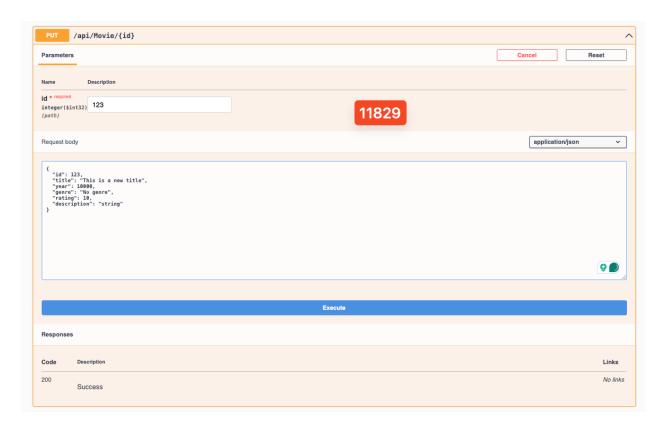


After:

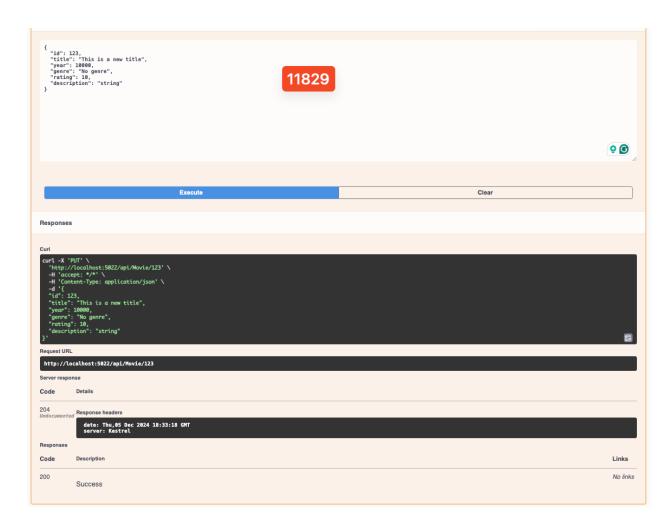


Now, I will update the details of one of the films using a PUT request:

Before:

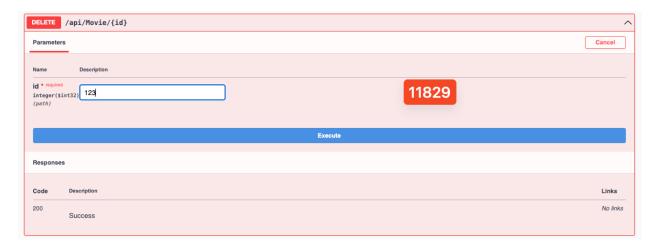


As you can see, I am updating a movie with 123 ID with some gibberish content. Here is what the endpoint looks like after execution:

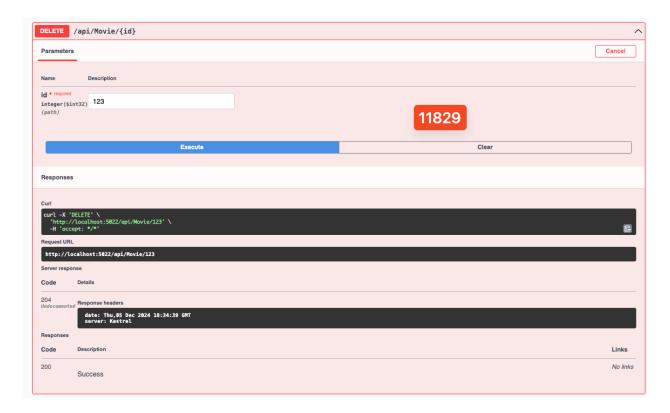


Now, I will delete this movie since it makes no sense to keep it in my database:

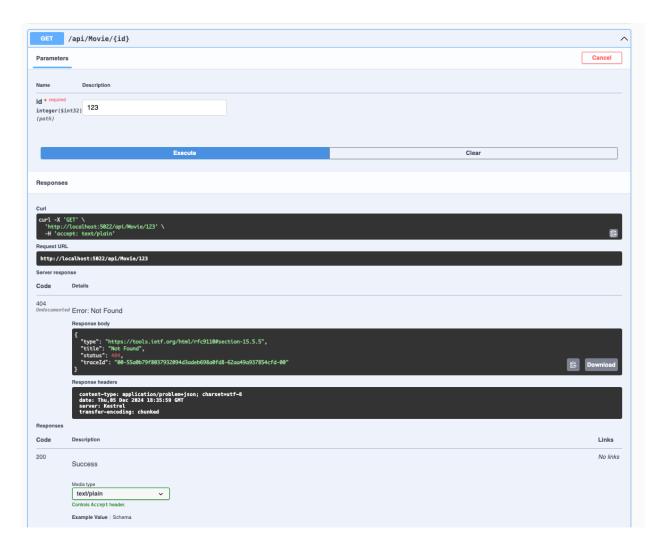
Before:



After:



To double-check, let's do a GET request for that deleted movie:



As you can see, I got a not found error.