Module 4 – Milestone 1 Overview

In continuation of the Milestone 0 tasks, and in line with milestone 1 tasks for other modules, for module 4 milestone 1 you will work to specify the particular New York Times Developers API endpoints and the JS library you will use as part of your module 4 project.

The choice of NYT Developer endpoint should be a relatively clear decision for you, assuming that you've thought through your potential app and needs in the milestone 0 mock-up phase. However, there may be complications you hadn't considered, or other possibilities that might work with your intended design. The goal of this milestone is to help clarify those things before you get to the coding stage.

Identifying a JS library to use may be more challenging. If you have an idea of the types of features you would like to implement, then that will help us to narrow down the search. However, you may need to be flexible with your design at this point, to ensure that you can use a stable and mature library with good documentation. I will be helping you directly to identify an appropriate library, based on your submitted mockup and your intentions with the NYT Developer API.

Milestone 1 – Requirements

The requirements below follow the general template steps provided in the Milestone Overview document. The blank spaces below should be used to complete the steps as outlined.

Define the problem

Write at least one paragraph that describes the 'user'-facing problem you are attempting to solve by building your app. Try to answer the questions: "Who will use your app?" and "Why would they use it?" Be detailed!

Problem definition:

This application is for movie enthusiasts, who wish to search movies and know about different critics. The ideal user will be someone who will require information about a movie, by searching it's name, or need general information about the critics of the new york times, reviewers.

Identify potential solutions

For this task describe at a **high level** the approach you will take to developing your app. In other words, do not describe each individual piece of code you intend to write, but instead explain to me how you intend to meet the requirements listed above: Which endpoints will you be using from the NYT Developer API? Which JS library will you use? How will you integrate these two? What user interaction opportunities will you provide?

To be clear: I expect **more** than single sentence answers to the sample questions above: Answer these questions (or other related questions) with detail!

Description of strategy:

I will use the movie reviews api from new york times api. In the search movies by name section, I will allow the user to input the name of the movie that they need the information about. In the critics section, the user will get a general overview of all the critics. I will use animejs to make all the cards look a bit bigger, when any card is hovered, and make them back smaller, when the mouse is removed from the card. I will install animejs from node, by running, npm i animejs -- save. I will then use a require or import statement at the top of my javascript files(I'll use different files for both the html pages).
I'll use api.nytimes.com/svc/movies/v2/reviews/search.json?query=myquery&api-key=myKey for the usage at the movie search page, I'll use api.nytimes.com/svc/movies/v2/critics/al.json?
along with the api key in my critics.js file

Analyze potential solutions

For this task I would like you to choose another API that provides data ***similar*** to that of your chosen endpoint from the NYT Developer API (i.e. if you've chosen the Books endpoint from the NYT Developer API then consider the GoodReads API, or perhaps an endpoint as part of Amazon that provides book reviews – you **do not** have to find another API that provides *precisely* the same information as your chosen NYT Developer endpoint). You will compare and contrast these two APIs in the following three ways:

1. Compare and contrast the overall documentation structure for each API. Describe how they are the same, and how they differ. Which of the two is more accessible, or approachable? Do they both speak to the same audience (i.e. are they written for the same type of people) or for different audiences? Consider including screenshots to help make your arguments here.
2. Identify **one** of the endpoints you intend to use from your chosen API and a related endpoint from the second API (the endpoint from the second API need not do exactly the same thing, but it should do something similar, or have similar intent). Compare the methods used in each endpoint: Are they the same? How do they differ? How does the data they return differ?
3. Consider the user-facing purpose you've identified for your app in task 1 above. Is there anything in the second API that would make it a better choice for your app? A worse choice? Is there anything in the second API that makes you reconsider the approach you've outlined for your app defined in task 2 above?

Analysis of first potential solution:

I will be using the movie api from new york times API, another api that does a similar job would be moviedb.org. It is an api that contains all the information related to movies. I feel that moviedb has more endpoints compared to the new york times api. In terms of documentation, I'd prefer the usage of movidb over new york times as well. Moviedb has robust documentation, where they provide detailed information about each endpoint's return values.

Moviesdb was created for movie lovers, whereas new york times was written for movie enthusiasts, who wish to know about the reviews and critics of the film industry. Moviesdb also gives us access to tv and web series along with movies. This isn't noticed in the New york times api.

I'll be using api.nytimes.com/svc/movies/v2/reviews/search.json?query=myquery&api-key=myKey to get movie details from nytimes api. This can be achieved in moviesdb by the following endpoint https://api.themoviedb.org/3/search/movie?api_key=mykey&query=myQuery&page=1&include_adult=false As it's evident that both the api's have a similar endpoint for finding movie

MovieDb returns more detailed information in it's query. Almost all of it's movies has posters and ratings, but this isn't seen in the new york times api.

Overall I'd say that moviedb is a better api, to get information about the movies, than newyork times api. But if one requires information about critics, then new york times api has the upper hand.