Introduction

The goal of this exercise is to test if you know your way around developing APIs using a Python web framework. You can use your choice of framework and database. Approach it the way you would an actual long-term project.

We do not need you to implement users or authentication, to reduce the amount of time this exercise will take to complete. Ideally, you should spend 2 hours on the exercise, but it can be completed over as long a period as is required.

Please provide instructions on how to run your code on any system.

Tasks

Your task is to ingest data on episodes of 'Game of Thrones' from the omdbapi, then build an API to return that data.

Required:

- Ability to import all episodes of all seasons of Game of Thrones from OMDb API. (You will have to get an APIKey from http://www.omdbapi.com/apikey.aspx to use their API)
- The OMDb API to fetch all episodes for a season is:
  ```
  http://www.omdbapi.com/?t=Game of Thrones&Season=1&apikey=<key>
  ```

  The OMDb API to fetch the details of an episode is:
  ```
  http://www.omdbapi.com/?i=<imdbID>&apikey=<key>
  ```

- Design the data model to store this data. You need not store all the attributes of an episode but you should include at least title, plot, episode number, season number, genre, language and imdbRating.
- Create GET API endpoint to return episode information in a list format.
- Create GET API endpoint to retrieve information for a specific episode by id.

Nice to have:

- Design a data model to store basic text comments to be associated with a specific episode, along with a GET API to retrieve all of the comments for an episode
- Design and implement a separate CRUD API for these text comments.
- Ability to filter episodes where imdbRating is greater than 8.8 for a season or for all seasons.