# Final Proposal of SI507

Main Resources: The 1,000 most popular movies on IMDB in the last 10 years

    R1. Csv file of 1000 most movies on kaggle
        https://www.kaggle.com/PromptCloudHQ/imdb-data/data

    R2. More detail information of every movie obtained from Open Movie Database API
        http://www.omdbapi.com/

    R3. Hitting API for every of the 1000 movies and get a json cache for each, dealing with all cache and store into the databse

Chanllege Score

1. 4 points for R1 + R3:
   Multiple related CSV or JSON files with at least one file containing > 1000 records
2. 4 points for R2
   Web API you haven't used before that requires API key or HTTP Basic authorization
   ⊹

Sum up:

- Total >= 8
- Meet ⊹: Web API you haven't used before that requires API key or HTTP Basic authorization

Presentation option:

    Create a flask App that uses html links

Presentation tools:

    With four pages to show user the Information

1. Main page interactive with the user
   a. Enable user to type in the bar, year of movies they'd like to browse, after enter… →2
   b. Average score of all ten years, after clicking on the link…→4
   c. Ten Highest movie of all ten years, after clicking on the link…→5
2. List of movies of a specific year grouped together with html form, with a link to the details of the movie, after clicking on the link… → 3
3. Basic information of the movie, actors, directors, genre, ratings etc with html form.
4. A page shows average scores of each year with html form
5. A page shows highest rating movie of each year with html form