

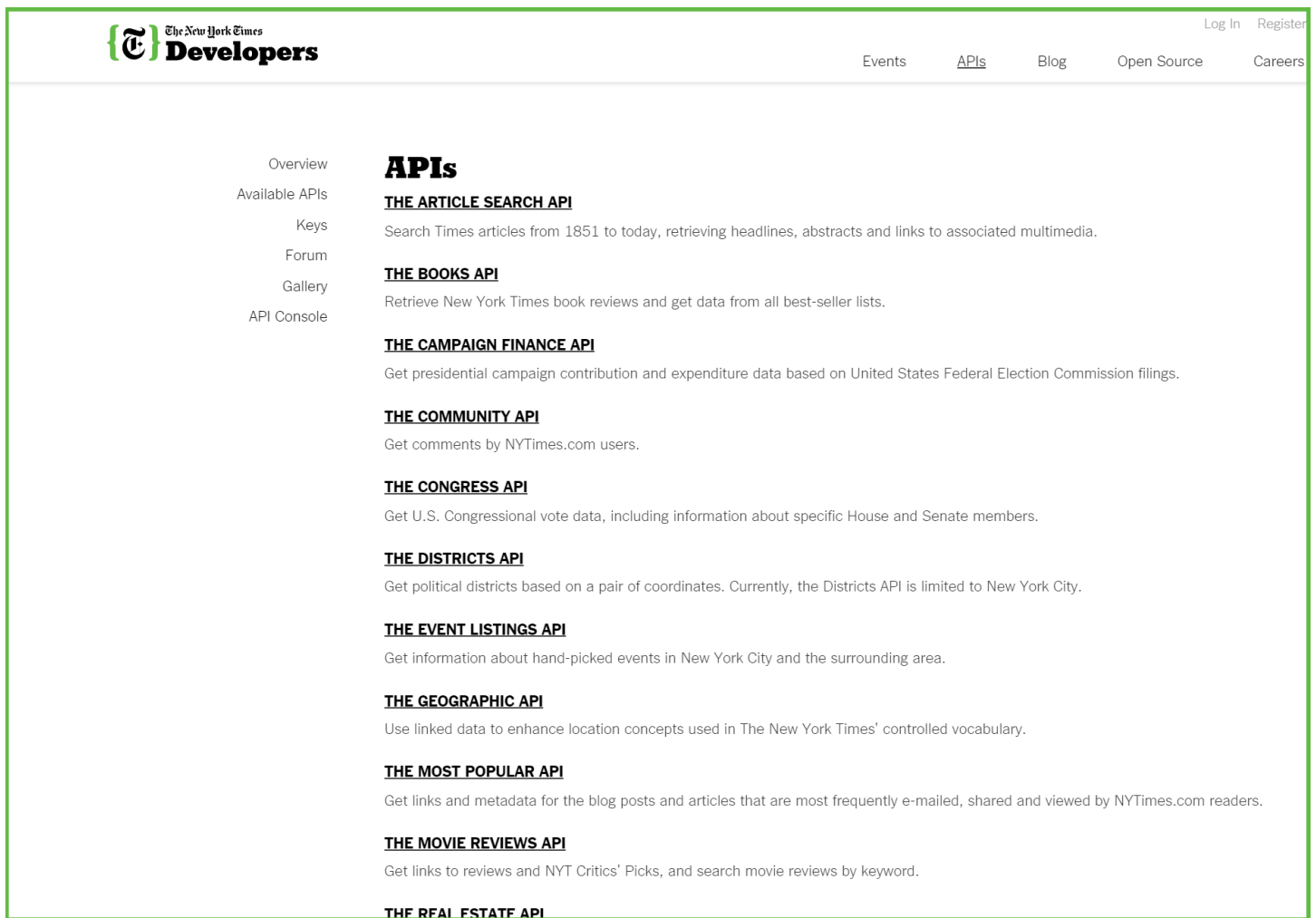
# Assignment – Web APIs



The New York Times web site provides a rich set of APIs, as described here: <https://developer.nytimes.com/apis>

You'll need to start by signing up for an API key.

Your task is to choose one of the New York Times APIs, construct an interface in Python to read in the JSON data, and transform it into a pandas DataFrame.



The screenshot shows the 'The New York Times Developers' website. The header includes the NYT logo, 'The New York Times Developers' text, and navigation links for 'Events', 'APIs', 'Blog', 'Open Source', and 'Careers'. On the right side of the header are 'Log In' and 'Register' links. The main content area is titled 'APIs' and lists several available APIs with their descriptions:

- Overview**
- Available APIs**
  - Keys**
  - Forum**
  - Gallery**
  - API Console**
- THE ARTICLE SEARCH API**  
Search Times articles from 1851 to today, retrieving headlines, abstracts and links to associated multimedia.
- THE BOOKS API**  
Retrieve New York Times book reviews and get data from all best-seller lists.
- THE CAMPAIGN FINANCE API**  
Get presidential campaign contribution and expenditure data based on United States Federal Election Commission filings.
- THE COMMUNITY API**  
Get comments by NYTimes.com users.
- THE CONGRESS API**  
Get U.S. Congressional vote data, including information about specific House and Senate members.
- THE DISTRICTS API**  
Get political districts based on a pair of coordinates. Currently, the Districts API is limited to New York City.
- THE EVENT LISTINGS API**  
Get information about hand-picked events in New York City and the surrounding area.
- THE GEOGRAPHIC API**  
Use linked data to enhance location concepts used in The New York Times' controlled vocabulary.
- THE MOST POPULAR API**  
Get links and metadata for the blog posts and articles that are most frequently e-mailed, shared and viewed by NYTimes.com readers.
- THE MOVIE REVIEWS API**  
Get links to reviews and NYT Critics' Picks, and search movie reviews by keyword.
- THE REAL ESTATE API**